

ADA Compliance: College (P936660)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	113	87	14	12	2	2	2	2	2	2	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	235	234	1	0	0	0	0	0	0	0	0
Construction	1,255	928	39	288	48	48	48	48	48	48	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	1,603	1,249	54	300	50	50	50	50	50	50	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,603	1,249	54	300	50	50	50	50	50	50	0
Total	1,603	1,249	54	300	50	50	50	50	50	50	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	50
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,353
Expenditure / Encumbrances		1,249
Unencumbered Balance		104

Date First Appropriation	FY 93	
First Cost Estimate		
Current Scope	FY 17	1,603
Last FY's Cost Estimate		1,603
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

This project provides funding for modifications to College facilities to comply with the accessibility provisions of the Americans with Disability Act (ADA) of 1990. Typical modifications include: paths of travel, entrance doors, stairs, corridors, ramps, toilet facilities, drinking fountains, parking, curb cuts, elevators, areas of refuge, public phones, signage, emergency notification and alarm systems, and other accessibility modifications to meet comfort, security, and safety requirements for people with disabilities. This project addresses access deficiencies in all College facilities. Project implementation is in accordance with ADA guidelines and the College's annual work program. The College has conducted a series of facility audits to determine ADA compliance and scope of required modification work, including estimated costs. Readily achievable modifications are implemented as part of the College's regular maintenance work.

Cost Change

Increase due to the addition of FY21 and FY22.

Justification

The ADA requirements mandate a comprehensive effort to provide accessible programs and barrier free facilities to disabled persons. The deadline for compliance with the requirement to make the College's programs accessible was January 26, 1995; however, the law allows for additional time to comply if available resources are limited for structural and building modifications. Based on the College's annual work program and available funding for ADA modifications, the College anticipates that the project will continue beyond the current six-year CIP. Relevant studies include the Collegewide Facilities Condition Assessment Update (12/13) and the Collegewide Facilities Master Plan Update (1/15).

Other

FY2017 Appropriation: \$50,000 (G.O. Bonds). FY2018 Appropriation: \$50,000 (G.O. Bonds). The following fund transfer has been made from this project: \$7,000 to Planning, Design & Construction project (No. P906605) (BOT Resol. #01-153 - 10/15/01).

Disclosures

Expenditures will continue indefinitely.

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.

Capital Renewal: College (P096600)

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

Date Last Modified: 11/11/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,646	1,229	617	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	9,391	572	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	11,438	1,450	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	22,888	11,438	1,450	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0
Total	22,888	11,438	1,450	10,000	1,000	1,000	2,000	2,000	2,000	2,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	1,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		13,888
Expenditure / Encumbrances		11,438
Unencumbered Balance		2,450

Date First Appropriation	FY 09
First Cost Estimate	
Current Scope	FY 17 23,888
Last FY's Cost Estimate	23,888
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)

Collegewide Road/Parking Lot Repairs and Replacements (P661801)

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

Date Last Modified 1/3/17
 Required Adequate Public Facility No
 Relocation Impact None
 Status Preliminary Design Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	150	0	0	150	0	50	50	50	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	1,350	0	0	1,350	0	450	450	450	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	1,500	0	0	1,500	0	500	500	500	0	0	0

FUNDING SCHEDULE (\$000s)

Transportation Facilities Capital Projects Fund (MC only)	1,500	0	0	1,500	0	500	500	500	0	0	0
Total	1,500	0	0	1,500	0	500	500	500	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	500
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		0
Expenditure / Encumbrances		0
Unencumbered Balance		0

Date First Appropriation		
First Cost Estimate		
Current Scope	FY 18	1,500
Last FY's Cost Estimate		0

Description

This project provides funding for the repair, maintenance and improvements of the College's parking lots, roadways, walkways, and associated site infrastructure, such as lighting, signage, site communications, and security, and storm water management.

Justification

The College completed a facilities condition assessment in December 2013 that evaluated these systems and identified major repair and/or replacement requirements. Related studies include: the Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

Other

FY18 Appropriation: \$500,000 (Transportation Facilities Capital Projects Fund-MC only).

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), and Site Improvements: College (P076601).

Collegewide Physical Education Renovations (P661602)

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

Date Last Modified: 9/13/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Preliminary Design Stage

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	710	133	217	360	60	300	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	5,790	339	3,431	2,020	20	2,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total	6,500	472	3,648	2,380	80	2,300	0	0	0	0

FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (MC only)	6,500	472	3,648	2,380	80	2,300	0	0	0	0
Total	6,500	472	3,648	2,380	80	2,300	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	2,300
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,200
Expenditure / Encumbrances		4,171
Unencumbered Balance		29

Date First Appropriation	FY 16	
First Cost Estimate		
Current Scope	FY 18	6,500
Last FY's Cost Estimate		4,200

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. In addition, this project will fund turf to support the College's athletic program. This project also funds title IX improvements.

Justification

The Germantown Physical Education building was constructed in 1980, and is 35 years old. The Rockville Physical Education Center was constructed in 1966, and is 49 years old. The Takoma Park/Silver Spring Falcon Hall building was constructed in 1978, and is 37 years old. 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 (1/15), and the Collegewide Facilities Condition Assessment (12/13).

Other

FY18 Appropriation: \$2,300,000 (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).

Elevator Modernization: College (P056608)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	553	485	18	50	50	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	3,621	2,832	39	750	350	100	100	0	0	200	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	4,174	3,317	57	800	400	100	100	0	0	200	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	4,174	3,317	57	800	400	100	100	0	0	200	0
Total	4,174	3,317	57	800	400	100	100	0	0	200	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,974
Expenditure / Encumbrances		3,357
Unencumbered Balance		617

Date First Appropriation	FY 03	
First Cost Estimate		
Current Scope	FY 17	4,174
Last FY's Cost Estimate		4,174
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses.

Cost Change

Increase due to the addition of FY22.

Justification

Many elevator systems at the College are inefficient, outdated and beyond continued economic repair. While the College's maintenance program has kept elevators operational, spare parts are not readily available from maintenance providers for many of the older pieces of elevator equipment. This results in extended down time, high maintenance costs, higher energy consumption, and the lack of current car safety devices. This project will modernize elevators to improve overall performance, safety, reliability and energy conservation, and to achieve code compliance. Furthermore, some buildings lack elevators or have elevators of inadequate size requiring the installation of new elevators to increase accessibility and capacity. Related studies include the Collegewide Facilities Condition Assessment Update (12/13), a Collegewide Elevator Study (4/05), the Collegewide Facilities Master Plan Update (1/15), and the Takoma Park/Silver Spring Elevator Update (9/09).

Other

Funding Source: G.O. Bonds.

Disclosures

Expenditures will continue indefinitely.

Coordination

This project is coordinated with the scheduled building renovations on the Rockville, Takoma Park/Silver Spring and Germantown Campuses., Phase 4 - Takoma Park/Silver Spring Elevator Study, Site Improvements: College (CIP No. P076601)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,342	1,812	50	480	80	80	80	80	80	80	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	2,935	2,646	19	270	45	45	45	45	45	45	0
Other	132	132	0	0	0	0	0	0	0	0	0
Total	5,468	4,649	69	750	125	125	125	125	125	125	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	2,106	2,010	0	96	16	16	16	16	16	16	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	3,262	2,539	69	654	109	109	109	109	109	109	0
State Aid	51	51	0	0	0	0	0	0	0	0	0
Total	5,468	4,649	69	750	125	125	125	125	125	125	0

OPERATING BUDGET IMPACT (\$000s)

Energy				-6,810	-1,010	-1,060	-1,110	-1,160	-1,210	-1,260
Maintenance				-2,580	-380	-400	-420	-440	-460	-480
Net Impact				-9,390	-1,390	-1,460	-1,530	-1,600	-1,670	-1,740
Full Time Equivalent (FTE)					1.0	1.0	1.0	1.0	1.0	1.0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	125
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		4,843
Expenditure / Encumbrances		4,714
Unencumbered Balance		129

Date First Appropriation	FY 81	
First Cost Estimate		
Current Scope	FY 17	5,468
Last FY's Cost Estimate		5,468
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. This project includes one staff position for a Utility Analyst which is in response to increased workload associated with the energy and utility functions, but also the design reviews of major projects, planned lifecycle asset replacements, and capital renewals, as well as complying with laws.

Cost Change

Increase due to the addition of FY21 and FY22.

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)

FY2017 Appropriation: \$125,000 (G.O. Bonds). FY2018 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 (1/15). This project is also coordinated with the Collegewide Facilities Condition Assessment Update (12/13).

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)

Facility Planning: College (P886686)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,857	5,019	218	1,620	270	270	270	270	270	270	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	6,857	5,019	218	1,620	270	270	270	270	270	270	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	6,857	5,019	218	1,620	270	270	270	270	270	270	0
Total	6,857	5,019	218	1,620	270	270	270	270	270	270	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	270
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,507
Expenditure / Encumbrances		5,019
Unencumbered Balance		488

Date First Appropriation	FY 88
First Cost Estimate	
Current Scope	FY 17 6,857
Last FY's Cost Estimate	6,857
Partial Closeout Thru	0
New Partial Closeout	0
Total Partial Closeout	0

Description

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

Cost Change

Increase due to the addition of FY21 and FY22.

Justification

There is a continuing need for the development of accurate cost estimates and an exploration of alternatives for proposed projects. Facility planning costs for all projects which ultimately become stand-alone PDFs are included here. These costs will not be reflected in the resulting individual project. Future individual CIP projects which result from facility planning may each reflect reduced planning and design costs. Relevant studies include the Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan Update (1/15).

Other

FY2017 Appropriation: \$270,000 (Current Revenue: General). FY2018 Appropriation: \$270,000 (Current Revenue: General). The following fund transfers have been made from this project: \$25,000 to the Information Technology: College project (CIP No. P856509) (BOT Resol. #91-56 - 5/20/91); \$7,000 to Planning, Design & Construction (CIP No. P906605) (BOT Resol. #01-153 - 10/15/01); \$25,000 to Planning, Design and Construction (CIP No. P804064) (BOT Resol. #02-62 - 6/17/02). The following fund transfer has been made to this project: \$28,000 from the South Silver Spring Property Acquisition (CIP No. P016602) (BOT Resol. # 03-28 - 4/21/03). By County Council Resol. No. 12-6333, the cumulative project appropriation was reduced by \$187,500 in FY92. By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$171,000 (Current Revenue: General) as part of the FY10 savings plan.

Disclosures

Expenditures will continue indefinitely.

Coordination

Collegewide Facilities Master Plan Update, FY16 -- Takoma Park/Silver Spring Math and Science Center Part I/II as submitted to the State, FY17 -- Germantown Student Services Center Part I/II as submitted to the State.

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	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	16,482	10,840	5,642	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	23,274	19,579	695	3,000	500	500	500	500	500	500	0
Other	122,191	68,581	5,610	48,000	8,000	8,000	8,000	8,000	8,000	8,000	0
Total	161,947	99,000	11,947	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	97,387	39,734	6,653	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0
Current Revenue: Recordation Tax	57,916	52,622	5,294	0	0	0	0	0	0	0	0
G.O. Bonds	4,603	4,603	0	0	0	0	0	0	0	0	0
PAYGO	2,041	2,041	0	0	0	0	0	0	0	0	0
Total	161,947	99,000	11,947	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	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	8,500
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		119,447
Expenditure / Encumbrances		99,495
Unencumbered Balance		19,952

Date First Appropriation FY 85		
First Cost Estimate		
Current Scope	FY 17	161,947
Last FY's Cost Estimate		161,947
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

This project provides for the design, development, installation/construction, and support of College Information Technology (IT) systems including enterprise-wide data, voice, and video applications; cybersecurity; cloud-based software services; and other related software applications used for administrative and academic support; associated cabling systems, equipment closets, and IT space construction; and the replacement/upgrade of IT equipment to meet current requirements. The project includes planning, installation, and furnishing of audio/visual and computing technology in classrooms, labs, and offices throughout three campuses and multiple workforce development centers. These systems support and enhance the College's mission, its instructional programs, and student services including counseling, admissions, registration, etc. They also meet administrative computing requirements for finance, human resources, institutional advancement, workforce development and continuing education, and are implemented in accordance with collegewide strategic planning efforts. The Office of Information Technology (OIT) determines and recommends the hardware, software, and services to be purchased. Four technical staff positions are funded by this project.

Capacity

As part of the FY16 savings plan the College reduced the FY17 CIP request by \$5,050,000 (Council Resol.#18-248, 9/15/15) to \$3,450,000 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 needs, and to remain current with changing technical standards and expectations for data, video, and voice communications, the College plans and installs IT, telecommunications, audio/visual, and instructional systems at each campus, the central administration building, and all remote 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, labs, and for distributed instruction; and allow expanded opportunities for linking with external information technology services. State-of-the-market hardware and software capabilities and cloud services are required to attract and serve students, faculty and staff, as well as to serve the business community by upgrading work force technology skills and providing a base for continued economic development in the county. Information technology directly enables the College's mission and is used to facilitate student success; to effectively and efficiently operate the College; and to support the College's growth, development, and community initiatives.

Other

Information Technology: College (P856509)

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. P886886) 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

MC2020 Strategic Plan, Academic Master Plan, Facilities Master Plan, Information Technology Master Plan, campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.

Instructional Furniture and Equipment: College (P096601)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	0	0	0	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	3,720	2,074	26	1,620	270	270	270	270	270	270	0
Total	3,720	2,074	26	1,620	270	270	270	270	270	270	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	3,720	2,074	26	1,620	270	270	270	270	270	270	0
Total	3,720	2,074	26	1,620	270	270	270	270	270	270	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	270
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		2,370
Expenditure / Encumbrances		2,074
Unencumbered Balance		296

Date First Appropriation	FY 09	
First Cost Estimate		
Current Scope	FY 17	3,720
Last FY's Cost Estimate		3,720
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

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

Cost Change

Increase due to the addition of FY21 and FY22.

Justification

Instructional furniture and equipment necessary for classes and labs typically has a replacement cycle of 10 years or more depending upon level of usage. Existing furniture and equipment across the College is often outdated or inadequate, necessitating a major replacement effort. In addition, new instructional endeavors may also require the purchase of furniture and equipment to support the academic program. New and replacement instructional furniture and equipment is necessary to support the academic success of students and provide faculty with the tools for student learning. Relevant studies include the Montgomery College Academic Master Plan, 1/2006.

Other

FY2017 Appropriation: \$270,000 (Current Revenue: General). FY2018 Appropriation: \$270,000 (Current Revenue: General).

Disclosures

Expenditures will continue indefinitely.

Coordination

Montgomery College Academic Master Plan, 1/2006

Network Infrastructure and Support Systems (P076619)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,293	4,293	0	0	0	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	2,369	1,882	487	0	0	0	0	0	0	0
Other	17,455	6,655	0	10,800	1,800	1,800	1,800	1,800	1,800	1,800
Total	24,117	12,830	487	10,800	1,800	1,800	1,800	1,800	1,800	1,800

FUNDING SCHEDULE (\$000s)

Current Revenue: General	22,697	11,410	487	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0
Current Revenue: Recordation Tax	1,420	1,420	0	0	0	0	0	0	0	0	0
Total	24,117	12,830	487	10,800	1,800	1,800	1,800	1,800	1,800	1,800	0
Full Time Equivalent (FTE)					4.0	4.0	4.0	4.0	4.0	4.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	1,800
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		15,117
Expenditure / Encumbrances		12,830
Unencumbered Balance		2,287

Date First Appropriation	FY 07	
First Cost Estimate		
Current Scope	FY 17	24,117
Last FY's Cost Estimate		24,117
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

The purpose of this project is to establish and maintain network infrastructure and support systems, and to provide for their planned technology replacements and upgrades, both in existing and new locations based on the academic and instructional needs and requirements of the students and College community. The network infrastructure and support systems are components located outside of the College datacenters and network operating center, and include campus cable distribution systems (conduit and wiring); equipment used in campus labs, classrooms, offices, and learning centers; telephone systems; and supporting infrastructure for communications, security, building management, and emergency notification systems. These systems include network management servers, routers, ports, wireless access points, firewalls, intrusion detection and prevention devices, specialized computing and technology tools, network software, and remote access technologies. This project also funds three project managers to oversee the design of new buildings and renovations (one for each campus) and one position to support collegewide communication and notification systems.

Cost Change

As part of the FY16 savings plan the College has reduced the FY17 CIP request by \$1,450,000 (Council Resol. #18-248, 9/15/15) to \$350,000 for this project. Increase due to the addition of FY21 and FY22.

Justification

The College networks used for all forms of data, voice, video, and machine communication must be maintained and upgraded continuously to ensure no College location is without the necessary technology capabilities and support. This requires planned replacement and upgrades as technology evolves. As faculty continue to develop more learning programs and methods to meet the increased expectations of students, the technology needs also evolve and change. Without meeting the expectations and requirements developed in the various College strategic and master planning documents, the College will fall behind in its ability to provide needed technology at the appropriate time. State-of-the-market hardware and software capabilities and cloud services are required to attract and serve students, faculty and staff, as well as to serve the business community by upgrading work force technology skills and providing a base for continued economic development in the county. Information technology directly enables the College's mission and is used to facilitate student success; to effectively and efficiently operate the College; and to support the College's growth, development, and community initiatives.

Other

FY17 Appropriation: \$350,000 (Current Revenue: General). FY18 Appropriation: \$1,800,000 (Current Revenue: General). The following fund transfers/reductions have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$533,000 (Current Revenue: General) as part of the FY10 savings plan; \$800,000 to the Network Operating Center project (#P076618)(BOT Resol. #12-06-037,6/11/12).

Disclosures

Expenditures will continue indefinitely.

Coordination

Network Infrastructure and Support Systems (P076619)

MC2020 Strategic Plan, Academic Master Plan, Facilities Master Plan, Information Technology Master Plan, campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.

Network Operating Center/Datacenter (P076618)

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

Date Last Modified: 5/15/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	5,844	4,742	22	1,080	180	180	180	180	180	180	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	9,333	7,980	753	600	100	100	100	100	100	100	0
Other	19,377	8,842	215	10,320	1,720	1,720	1,720	1,720	1,720	1,720	0
Total	34,554	21,564	990	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	23,261	10,766	495	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0
Current Revenue: Recordation Tax	11,293	10,798	495	0	0	0	0	0	0	0	0
Total	34,554	21,564	990	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0
Full Time Equivalent (FTE)					2.0	2.0	2.0	2.0	2.0	2.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	2,000
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		24,554
Expenditure / Encumbrances		21,564
Unencumbered Balance		2,990

Date First Appropriation	FY 07	
First Cost Estimate		
Current Scope	FY 17	34,554
Last FY's Cost Estimate		34,554
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

The purpose of this project is to establish and maintain a datacenter and network operating center on the Takoma Park/Silver Spring campus and a related backup facility on the Rockville campus, and to provide for planned lifecycle technology replacements. The datacenter and network operating center houses the technology from which control is exercised and services provided by the College's instructional, academic, and administrative computing systems. Included in the scope of this project are the electrical, environmental, backup and security systems which are used to operate the NOC/datacenter. This project also funds two staff positions which monitor the physical security, cybersecurity, disaster recovery and redundant systems to help ensure the integrity of the datacenters.

Cost Change

Increase due to the addition FY21 and FY22.

Justification

The datacenter and network operating center located on the Takoma Park/Silver Spring campus, and the backup facility located on the Rockville campus, provide the College with monitoring of computing and network services, high availability and disaster recovery, and physical and network security. Planned lifecycle asset replacement and upgrades are critical components of maintaining state-of-the-market hardware and software systems. State-of-the-market hardware and software capabilities and cloud services are required to attract and serve students, faculty and staff, as well as to serve the business community by upgrading work force technology skills and providing a base for continued economic development in the county. Information technology directly enables the College's mission and is used to facilitate student success; to effectively and efficiently operate the College; and to support the College's growth, development, and community initiatives.

Other

FY17 Appropriation: \$2,000,000 (Current Revenue: General). FY18 Appropriation: \$2,000,000 (Current Revenue: General). By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$146,000 (Current Revenue: General) as part of the FY10 savings plan. The following fund transfers have been made to this project: \$800,000 from the Network Infrastructure Support System project (#P076619), \$2,500,000 from the Information Technology project (#P856509)(BOT Resol. #: 12-06-037, 6/11/12).

Disclosures

Expenditures will continue indefinitely.

Coordination

Cafritz Foundation Arts Center (CIP No. P056604), Computer Science Alterations (CIP No. P046602), Germantown Science and Applied Studies Phase 1 - Renovation (CIP No. P136600). MC2020 Strategic Plan, Academic Master Plan, Facilities Master Plan, Information Technology Master Plan, campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.

Planned Lifecycle Asset Replacement: College (P926659)

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

Date Last Modified: 5/19/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,513	4,745	468	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	58,349	38,849	0	19,500	2,400	4,561	1,739	3,600	3,600	3,600	0
Other	310	294	16	0	0	0	0	0	0	0	0
Total	66,172	43,888	484	21,800	2,700	4,961	2,139	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	41,948	484	21,800	2,700	4,961	2,139	4,000	4,000	4,000	0
Total	66,172	43,888	484	21,800	2,700	4,961	2,139	4,000	4,000	4,000	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	4,961
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		47,072
Expenditure / Encumbrances		44,846
Unencumbered Balance		2,226

Date First Appropriation	FY 93	
First Cost Estimate		
Current Scope	FY 17	66,172
Last FY's Cost Estimate		67,072
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.

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)

FY2018 Appropriation: \$4,961,000 (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. P956643) (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: 12/30/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

	Total	Thru FY16	Rem 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	26,308	17,758	1,112	7,438	1,208	1,246	1,246	1,246	1,246	1,246	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	8,470	6,044	0	2,426	376	410	410	410	410	410	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	34,778	23,802	1,112	9,864	1,584	1,656	1,656	1,656	1,656	1,656	0

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	18,314	13,176	206	4,932	792	828	828	828	828	828	0
G.O. Bonds	16,464	10,626	906	4,932	792	828	828	828	828	828	0
Total	34,778	23,802	1,112	9,864	1,584	1,656	1,656	1,656	1,656	1,656	0
Full Time Equivalent (FTE)					16.0	16.0	16.0	16.0	16.0	16.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	1,656
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		26,498
Expenditure / Encumbrances		24,152
Unencumbered Balance		2,346

Date First Appropriation	FY 90	
First Cost Estimate		
Current Scope	FY 18	35,148
Last FY's Cost Estimate		34,418
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

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 4.5% salary increase approved during the FY17 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: \$1,656,000; \$828,000 (G.O. Bonds) and \$828,000 (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.

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,206	897	177	132	0	0	33	33	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	7,859	5,810	1,181	868	0	0	217	217	217	217	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	9,065	6,707	1,358	1,000	0	0	250	250	250	250	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	1,248	1,248	0	0	0	0	0	0	0	0	0
G.O. Bonds	6,614	4,256	1,358	1,000	0	0	250	250	250	250	0
State Aid	1,203	1,203	0	0	0	0	0	0	0	0	0
Total	9,065	6,707	1,358	1,000	0	0	250	250	250	250	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est. FY 18	0
Supplemental Appropriation Request	0
Transfer	0
Cumulative Appropriation	8,065
Expenditure / Encumbrances	6,707
Unencumbered Balance	1,358

Date First Appropriation FY 87	
First Cost Estimate	
Current Scope FY 17	9,065
Last FY's Cost Estimate	9,065
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 will be conducted in 2016.

Cost Change

Increase in FY21, and FY22 for level of effort addition.

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. 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 (12/13) and the Collegewide Facilities Master Plan Update (1/15).

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. FY2017 Appropriation: \$0 (G.O. Bonds). FY2018 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), FY16 -- Collegewide Roof Surveys & Major Repairs, FY17 -- Gudelsky Bldg. (RV)

Site Improvements: College (P076601)

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

Date Last Modified: 1/3/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Ongoing

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	2,894	2,028	26	840	140	140	140	140	140	140	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	13,970	11,367	18	2,585	480	185	480	480	480	480	0
Construction	2,570	2,050	40	480	80	80	80	80	80	80	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	19,434	15,445	84	3,905	700	405	700	700	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	18,434	14,445	84	3,905	700	405	700	700	700	700	0
Total	19,434	15,445	84	3,905	700	405	700	700	700	700	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	405
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		16,229
Expenditure / Encumbrances		15,445
Unencumbered Balance		784

Date First Appropriation	FY 07
First Cost Estimate	
Current Scope	FY 17 19,434
Last FY's Cost Estimate	19,634
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)

Student Learning Support Systems (P076617)

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	6,769	4,369	0	2,400	400	400	400	400	400	400	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other	12,051	4,934	1,117	6,000	1,000	1,000	1,000	1,000	1,000	1,000	0
Total	18,820	9,303	1,117	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0

FUNDING SCHEDULE (\$000s)

Current Revenue: General	18,458	8,941	1,117	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0
Current Revenue: Recordation Tax	362	362	0	0	0	0	0	0	0	0	0
Total	18,820	9,303	1,117	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0
Full Time Equivalent (FTE)					4.0	4.0	4.0	4.0	4.0	4.0	

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	1,400
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		11,820
Expenditure / Encumbrances		9,303
Unencumbered Balance		2,517

Date First Appropriation	FY 07	
First Cost Estimate		
Current Scope	FY 17	18,820
Last FY's Cost Estimate		18,820
Partial Closeout Thru		0
New Partial Closeout		0
Total Partial Closeout		0

Description

This project includes the installation, upgrading, and replacement of technology systems used to support teaching, learning and advising, to assess student outcomes, and to improve the effectiveness of MC services to students. This includes technology to support students with disabilities, technology-based communication and collaboration systems, systems to provide students with access to electronic course materials, library resources, and other applications used by and for students and faculty, including both hardware, software and cloud services. The project funds four technical project and planning analyst positions to manage and support multiple academic support systems.

Cost Change

Increase due to the addition of FY21, and FY22.

Justification

It is essential that appropriate systems are in place to enhance learning as well as collaboration and communication. Increased attention to student retention and success has created a growing need to assess the effectiveness of the services and support provided to students and the impact on student success. Leveraging technology is fundamental to enabling student success. State-of-the-market hardware and software capabilities and cloud services are required to attract and serve students, faculty and staff, as well as to serve the business community by upgrading work force technology skills and providing a base for continued economic development in the county. Information technology directly enables the College's mission and is used to facilitate student success; to effectively and efficiently operate the College; and to support the College's growth, development, and community initiatives.

Other

FY2017 Appropriation: \$1,400,000 (Current Revenue: General). FY2018 Appropriation: \$1,400,000 (Current Revenue: General). The following fund reductions/transfers have occurred with this project: By County Council Resolution No. 16-1261, the cumulative appropriation was reduced by \$1,000,000 (Current Revenue: General) as part of the FY10 savings plan; and \$300,000 was transferred from the Information Technology project (#P856509) to this project in FY11.

Disclosures

Expenditures will continue indefinitely.

Coordination

MC2020 Strategic Plan, Academic Master Plan, Facilities Master Plan, Information Technology Master Plan, campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines established by these documents.

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 FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	8,039	7,988	51	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	74,136	85	0	0	0	0	0	0	0	0
Other	10,880	9,375	1,305	200	100	100	0	0	0	0	0
Total	93,140	91,499	1,441	200	100	100	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	51,366	50,546	720	100	50	50	0	0	0	0	0
PAYGO	691	691	0	0	0	0	0	0	0	0	0
State Aid	41,083	40,262	721	100	50	50	0	0	0	0	0
Total	93,140	91,499	1,441	200	100	100	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy				0	0	0	0	0	0	0	0
Maintenance				0	0	0	0	0	0	0	0
Net Impact				0	0	0	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 Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		93,140
Expenditure / Encumbrances		91,499
Unencumbered Balance		1,641

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

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.

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).

Bioscience Education Center (P056603)

Other

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)

Germantown Observation Drive Reconstruction (P096604)

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

Date Last Modified: 1/3/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Final Design Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	200	92	8	100	50	50	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	800	717	33	50	0	0	50	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	809	41	150	50	50	50	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,000	809	41	150	50	50	50	0	0	0	0
Total	1,000	809	41	150	50	50	50	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,000
Expenditure / Encumbrances		809
Unencumbered Balance		191

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/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.

Justification

During the Fall 2014 semester, 7,316 students attended the Germantown campus, and 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 (12/13), 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: 9/2/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	4,529	4,046	483	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	30,840	5,000	0	25,840	15,000	10,840	0	0	0	0	0
Other	5,316	0	0	5,316	0	5,316	0	0	0	0	0
Total	40,685	9,046	483	31,156	15,000	16,156	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	20,953	4,932	241	15,780	7,500	8,280	0	0	0	0	0
State Aid	19,732	4,114	242	15,376	7,500	7,876	0	0	0	0	0
Total	40,685	9,046	483	31,156	15,000	16,156	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	5,316
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		35,369
Expenditure / Encumbrances		33,979
Unencumbered Balance		1,390

Date First Appropriation	FY 13	
First Cost Estimate		
Current Scope	FY 18	40,685
Last FY's Cost Estimate		40,541

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 a portion of 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, and construction funding was appropriated in FY16.

Estimated Schedule

Project construction is scheduled to be completed in the summer of 2018.

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 2024 projected instructional space deficit of 190,098 NASF and a total space deficit anticipated to be 317,384 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 (1/15), 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 (12/13).

Other

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

FY17 Appropriation: \$0 FY18 Appropriation: \$5,316,000 Total; \$2,860,000 (G.O. Bonds), \$2,456,000 (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: 12/28/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY16	Rem 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	9,152	0	0	6,000	0	0	0	0	0	6,000	3,152
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	45,694	0	0	0	0	0	0	0	0	0	45,694
Other	4,570	0	0	0	0	0	0	0	0	0	4,570
Total	59,416	0	0	6,000	0	0	0	0	0	6,000	53,416

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	29,708	0	0	3,000	0	0	0	0	0	3,000	26,708
State Aid	29,708	0	0	3,000	0	0	0	0	0	3,000	26,708
Total	59,416	0	0	6,000	0	0	0	0	0	6,000	53,416

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	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 18 59,416
Last FY's Cost Estimate	90,642

Description

This project provides funds for the design and construction of a new student resource center (approximately 95,000 gross square feet) to support both study and student services as outlined in the Germantown Campus Facilities Master Plan, 2013-2023 (2/16). This project provides a comprehensive one-stop shop and brings together the 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.

Cost Change

Design of this project was delayed from FY19 to FY22. The cost was reduced to reflect a change in the project scope.

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 2015 space deficit of 94,334 NASF, and a 2025 projected space deficit of 212,579. Relevant studies include the Collegewide Facilities Master Plan 2013-2023 (2/16).

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 (\$45,694,000) include: site improvement costs (\$8,861,000), building construction costs (\$36,833,000). The building construction cost per gross square foot equals \$388 (\$36,833,000/95,000).

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)

Computer Science Alterations (P046602)

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

Date Last Modified: 1/3/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Final Design Stage

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	550	508	42	0	0	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	534	480	54	0	0	0	0	0	0	0
Other	75	0	75	0	0	0	0	0	0	0
Total	1,159	988	171	0	0	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,159	988	171	0	0	0	0	0	0	0
Total	1,159	988	171	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est. FY 18	0
Supplemental Appropriation Request	0
Transfer	0
Cumulative Appropriation	1,159
Expenditure / Encumbrances	988
Unencumbered Balance	171

Date First Appropriation FY 01	
First Cost Estimate	
Current Scope FY01	1,159
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. P076618)

Macklin Tower Alterations (P036603)

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: Under Construction

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	1,591	831	760	0	0	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	9,013	4,333	64	4,616	2,000	2,616	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0
Total	10,604	5,164	824	4,616	2,000	2,616	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	10,604	5,164	824	4,616	2,000	2,616	0	0	0	0
Total	10,604	5,164	824	4,616	2,000	2,616	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est. FY 18	0
Supplemental Appropriation Request	0
Transfer	0
Cumulative Appropriation	10,604
Expenditure / Encumbrances	5,164
Unencumbered Balance	5,440

Date First Appropriation FY 03	
First Cost Estimate	
Current Scope FY 14	10,604
Last FY's Cost Estimate	10,604

Description

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

Estimated Schedule

Project construction is scheduled to be completed in the Fall of 2019

Justification

Macklin Tower was constructed in 1971 and this forty-two year old facility is experiencing a progressive deterioration of building systems and major pieces of building equipment. It has now reached the point that addressing the problem of a deteriorating building infrastructure is beyond the scope of a maintenance effort and that building repairs are no longer adequate or cost effective. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The refurbishment and/or replacement of major building systems and related equipment will significantly extend the useful life of the building and correct safety and environmental problems. This project is coordinated with the College's FY02 supplemental appropriation request to the PLAR project (CIP #P926659) to correct significant water and air infiltration problems with a failing exterior curtain wall framing system and a deteriorating sealant used on all of the building's windows. The College completed a building condition assessment in 2002 that provides a detailed evaluation of building deficiencies and initial cost estimates for major repairs, equipment replacements, and related improvements. Schematic Design for Curtain Wall Remediation - Macklin Tower (5/25/01) and Curtain Wall and Building Envelope Investigation - Macklin Tower (3/16/01). Collegewide Facilities Condition Assessment (12/13) and Collegewide Facilities Master Plan Update (1/15).

Other

The following fund transfer has been made from this project: \$400,000 to the Takoma Park Campus Expansion Project (# 996662) (BOT Resol. # 07-01-005, 01/16/07). Funding Source: \$10,604,000 (G.O.Bonds). Note: The Library Renovation and Other (Furniture, Fixtures, and Equipment) costs are currently estimated at \$4.5 million, and \$500,000 respectively pending final design. These costs are not shown in the expenditure schedule.

Fiscal Note

In December 2001, the County Council approved an FY02 supplemental capital budget appropriation of \$2,075,000 to the PLAR project (CIP #P926659) to replace the building's exterior curtain wall to correct problems associated with a failing exterior curtain wall framing system and a deteriorating window sealant. The exterior curtain wall replacement was completed in spring 2003. An engineering evaluation of the building's fire alarm system and emergency generator was completed in August 2002 and a design/build replacement of this system and equipment was completed in summer 2003 for the tower. Mechanical and electrical equipment upgrades of floors 2-6 in the tower have been completed (2004/2005). The current focus is mechanical, electrical and plumbing upgrades for the ground floor, and FY09 and beyond will focus on the 3-story Library wing of the building.

Macklin Tower Alterations (P036603)

Coordination

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

Rockville Parking Garage (P136601)

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

Date Last Modified: 9/13/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,200	2,444	756	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	26,500	24,487	1,813	200	100	100	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	29,700	26,931	2,569	200	100	100	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	16,450	14,687	1,663	100	50	50	0	0	0	0	0
Revenue Authority	13,250	12,244	906	100	50	50	0	0	0	0	0
Total	29,700	26,931	2,569	200	100	100	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy	0	0	0	0	0	0	0	0	0	0
Maintenance	0	0	0	0	0	0	0	0	0	0
Net Impact	0	0	0	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		29,700
Expenditure / Encumbrances		26,931
Unencumbered Balance		2,769

Date First Appropriation	FY 15	
First Cost Estimate		
Current Scope	FY 13	29,700
Last FY's Cost Estimate		29,700

Description

This project provides design and construction funding for a 922 space parking garage on the Rockville Campus. The proposed 7 level parking garage will be located north of the Physical Education Building, and will be built on 120 existing parking spaces for a net gain of 802 spaces. The exposed north and west walls will be screened with plantings or architectural elements, while the south side will be adjacent to the PE addition.

Estimated Schedule

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

Justification

The Rockville Campus currently has 3,497 spaces but needs 5,639 spaces resulting in a deficit of 2,142 spaces (Fall 2014). This deficit is only expected to get worse within the next 10 years with an increase to 3,930 spaces. The parking deficit must be addressed, or this could adversely effect student enrollment at Montgomery College. Related studies include the Collegewide Facilities Master Plan Update (1/15), and a Collegewide Parking Analysis Montgomery College Maryland, (Desman Associates, 3/06).

Other

Funding Sources: G.O. Bonds, and Revenue Authority.

Disclosures

A pedestrian impact analysis has been completed for this project.

Coordination

City of Rockville, Montgomery County Revenue Authority, Rockville Student Services Center (CIP #P076604)

Rockville Student Services Center (P076604)

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

Date Last Modified: 9/2/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	10,369	6,089	4,280	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	53,716	4	0	53,712	28,768	24,944	0	0	0	0	0
Other	11,169	0	0	11,169	0	0	11,169	0	0	0	0
Total	75,254	6,093	4,280	64,881	28,768	24,944	11,169	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	38,774	3,162	2,183	33,429	14,384	12,472	6,573	0	0	0	0
State Aid	36,480	2,931	2,097	31,452	14,384	12,472	4,596	0	0	0	0
Total	75,254	6,093	4,280	64,881	28,768	24,944	11,169	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		64,085
Expenditure / Encumbrances		6,120
Unencumbered Balance		57,965

Date First Appropriation	FY 13	
First Cost Estimate		
Current Scope	FY 18	75,254
Last FY's Cost Estimate		74,986

Description

This project provides funds for the construction of a new student services center (127,960 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 spring 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 3%. The furniture and equipment has been deferred from FY18 to FY19 to better align with the project schedule.

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 (12/13), the Collegewide Facilities Master Plan Update (1/15), and the Rockville Student Services Center Part 1/Part 2 (5/11).

Other

FY17 Appropriation: \$53,712,000 Total: \$26,856,000 (G.O. Bonds), and \$26,856,000 (State Aid). FY18 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 (\$53,712,000) include: site improvement costs (\$9,553,000), building construction costs (\$44,159,000). The building construction cost per gross square foot equals \$348 (\$44,159,000/126,756).

Disclosures

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

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 Student Services Center (P076604)

Facility Planning: College (CIP #P886686)

Science East Building Renovation (P076623)

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

Date Last Modified: 5/19/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Under Construction

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	3,822	3,576	246	0	0	0	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	22,175	22,086	89	0	0	0	0	0	0	0	0
Other	3,098	2,245	853	0	0	0	0	0	0	0	0
Total	29,095	27,907	1,188	0	0	0	0	0	0	0	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	15,742	15,742	0	0	0	0	0	0	0	0	0
State Aid	13,353	12,165	1,188	0	0	0	0	0	0	0	0
Total	29,095	27,907	1,188	0	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	-1,861
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		30,956
Expenditure / Encumbrances		27,907
Unencumbered Balance		3,049

Date First Appropriation	FY 09	
First Cost Estimate		
Current Scope	FY 18	30,956
Last FY's Cost Estimate		30,956

Description

This project provides for the realignment/renovation of space in the Science East building (60,793 GSF) on the Rockville campus in accordance with the College's Facilities Master Plan (1/04) and the building educational space specifications. The renovated building will house general purpose classrooms, and the mathematics and education departments. The building renovation will include general building improvements, HVAC system replacement and related energy conservation measures, and building access improvements. A building survey in FY89 determined that the building structure is fireproofed with a sprayed on asbestos product and asbestos thermal insulation is used on the mechanical systems. Asbestos removal is determined to be the most appropriate response under Federal and State asbestos guidelines. The removal project will include mechanical system reinsulation and refireproofing in conformance with the local fire code.

Estimated Schedule

Project construction was completed in Spring 2014.

Cost Change

Funds no longer needed in the project were reduced in the FY18 budget process.

Justification

Science East was constructed in 1965 and the greenhouse addition was constructed in 1970. The building no longer adequately supports the educational programs and support functions housed in it. The College plans to coordinate the renovation of Science East with the construction of the Rockville Science Center. The Biology and Physics departments will relocate to the new Rockville Science Center when it is completed in FY11. The existing mechanical system is inadequate and will be replaced along with the existing lighting to create better illumination levels and greater energy efficiency. The funds requested will also provide for the reassignment, realignment, and renovation of space, including furniture and equipment; energy conservation; and handicapped modification measures. Relevant studies include the Collegewide Facilities Condition Assessment (12/13), a Collegewide Facilities Master Plan Update (1/15), and the Part 1 and 2 Program submitted to the State for the Renovation/Addition to the Science East & Science West Buildings (5/06).

Other

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. Building renovation planning and design began in FY09 with building asbestos removal and renovation scheduled to begin in FY12. The following G.O Bond fund transfer was made from this project: \$1,400,000 to the Site Improvements project (#P076601)(BOT Resol. #15-09-77, 9/21/15).

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

Science East Building Renovation (P076623)

Rockville Science Center (CIP No. P036600), Science West Building Renovation (CIP No. P976645)

Science West Building Renovation (P076622)

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

Date Last Modified: 9/13/16
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Final Design Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,162	3,155	7	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	26,509	23,426	1,983	1,100	1,000	100	0	0	0	0	0
Other	5,675	0	5,675	0	0	0	0	0	0	0	0
Total	35,346	26,581	7,665	1,100	1,000	100	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	18,885	13,753	4,588	544	500	44	0	0	0	0	0
State Aid	16,461	12,828	3,077	556	500	56	0	0	0	0	0
Total	35,346	26,581	7,665	1,100	1,000	100	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)

Energy				0	0	0	0	0	0	0	0
Maintenance				0	0	0	0	0	0	0	0
Net Impact				0	0	0	0	0	0	0	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		35,346
Expenditure / Encumbrances		26,581
Unencumbered Balance		8,765

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 re-fireproofing in conformance with the local fire code.

Estimated Schedule

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

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 (12/13), a Collegewide Facilities Master Plan Update (1/15), 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

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

Disclosures

A pedestrian impact analysis has been completed for this project.

Science West Building Renovation (P076622)

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)

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: 5/22/17
 Required Adequate Public Facility: No
 Relocation Impact: None
 Status: Planning Stage

	Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	10,276	0	0	10,276	0	1,500	4,582	4,194	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	68,502	0	0	68,502	0	0	0	8,690	27,500	32,312	0
Other	6,850	0	0	6,850	0	0	0	0	0	6,850	0
Total	85,628	0	0	85,628	0	1,500	4,582	12,884	27,500	39,162	0

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	42,814	0	0	42,814	0	750	2,291	6,442	13,750	19,581	0
State Aid	42,814	0	0	42,814	0	750	2,291	6,442	13,750	19,581	0
Total	85,628	0	0	85,628	0	1,500	4,582	12,884	27,500	39,162	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request Est.	FY 18	10,276
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 18	85,628
Last FY's Cost Estimate		87,928

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, computer science and cybersecurity, engineering, geology, physics, and the mathematics department, as described in the Takoma Park Campus Facilities Master Plan, 2013-2023 (2/16). The new math and science building will replace the Science South and Falcon Hall buildings, which will be demolished, and the new building will be constructed on this site.

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%). The cost of this project was reduced to reflect a change in the project's construction schedule.

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 2015 laboratory space deficit of 58,894 NASF and a total space deficit of 39,889 NASF. The 2025 projected laboratory space deficit is 44,751 NASF and the total space deficit is anticipated to be 100,636 NASF. The construction of the math & science building will address this deficit as well as replace Science South and Falcon Hall, which are in exceedingly poor condition (as identified in the Collegewide Facilities Condition Assessment, 12/13). Relevant studies include the Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan 2013-2023 (2/16).

Other

FY17 Appropriation: 0 FY18 Appropriation: \$10,276,000; \$5,138,000 (G.O. Bonds), and \$5,138,000 (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 (\$68,502,000) include: site improvement costs (\$6,335,000), building construction costs (\$62,167,000). The building construction cost per gross square foot equals \$462 (\$62,167,000/134,600).

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)