

Resolution No: 19-865
Introduced: May 27, 2021
Adopted: May 27, 2021

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: County Council

SUBJECT: Approval of Amendments to the Approved FY 2021-2026 Capital Improvements Program, and Approval of and Appropriation for the FY 2022 Capital Budget of Montgomery College

Background

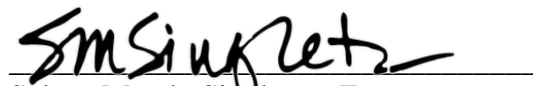
1. As required by the Education Article, Section 16-301 of the Maryland Code, the Montgomery College Board of Trustees sent to the County Executive and County Council an FY 2022 Capital Budget for Montgomery College. The Board also requested amendments to the Approved FY 2021-2026 Capital Improvements Program (CIP).
2. Section 302 of the County Charter requires the Executive to send to the County Council by January 15 in each even-numbered calendar year a 6-year CIP, which the Executive did on January 15, 2020 for the 6-year period FY 2021-2026. Section 302 requires the affirmative vote of at least 5 Councilmembers to approve or modify the Executive's Recommended CIP. On May 21, 2020 the Council approved the College's CIP for FY 2021-2026 in Resolution 19-465. After the Council approves a CIP, Section 302 permits the Council to amend it at any time with the affirmative vote of at least 6 Councilmembers.
3. Section 303 of the Charter requires the Executive to send to the Council by January 15 in each year a recommended Capital Budget, which the Executive did on January 15, 2021 for FY 2022. The Executive also sent to the Council his recommendations on amendments to the Approved FY 2021-2026 CIP.
4. As required by Section 304 of the Charter, the Council held public hearings on the Capital Budget for FY 2022 and on amendments to the Approved FY 2021-2026 CIP on February 9 and April 6, 7, and 8, 2021.

Action

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

1. For FY 2022, the Council approves the Capital Budget for Montgomery College and appropriates the amounts by project, which are shown in part I. The amounts reflected in the column labeled "FY 2022 Appropriation" represents the change in total appropriation for a specific project; the total appropriation as of FY 2022 is reflected in the column labeled "Total Appropriation". The expenditure of funds for each item in the Capital Budget must comply with all restrictions and requirements in the project description form for that item, as the form is contained in the Approved CIP as amended by the resolution, and as the CIP is amended by the Council under Charter Section 302 after this resolution is adopted.
2. The Council reappropriates the appropriations made in prior years for all capital projects:
 - a) except as specifically reflected elsewhere in this resolution;
 - b) in the amounts and for the purposes specified in the Approved CIP for FY 2021-2026; and
 - c) to the extent that those appropriations are not expended or encumbered.
3. The Council approves the projects shown in Part II as amendments to the Approved FY 2021-2026 CIP.
4. The Council approves the close out of projects in Part III.
5. Any revenue which exceeds the amount estimated to be received from revenue sources other than County bonds must reduce the amount of bonds to be sold by the amount of the excess.
6. If a sign recognizing the contribution of any Federal, State, or local government or agency is displayed at any project for which funds are appropriated in this resolution, as a condition of spending those funds each sign must also expressly recognize the contribution of the County and the County's taxpayers.

This is a correct copy of Council action.



Selena Mendy Singleton, Esq.
Clerk of the Council

**PART I: FY22 Capital Budget for
Montgomery College**

The appropriations for FY22 in this Part are made to implement the projects in the Capital Improvements Program for FY21 - FY26. When the total appropriation for a project includes State funds, the total appropriation for the project is contingent on the availability of funds from the State.

Project Name (Project Number)	FY22 Appropriation	Cumulative Appropriation	Total Appropriation
ADA Compliance: College (P936660)	50,000	1,553,000	1,603,000
Capital Renewal: College (P096600)	558,000	20,888,000	21,446,000
Collegewide Central Plant and Distribution Systems (P662001)	1,500,000	1,475,000	2,975,000
Collegewide Physical Education Renovations (P661602)	1,500,000	11,500,000	13,000,000
Elevator Modernization: College (P056608)	200,000	5,280,000	5,480,000
Energy Conservation: College (P816611)	300,000	5,618,000	5,918,000
Facility Planning: College (P886686)	270,000	7,087,000	7,357,000
Information Technology: College (P856509)	8,000,000	148,324,000	156,324,000
Instructional Furniture and Equipment: College (P096601)	270,000	3,450,000	3,720,000
Network Infrastructure and Server Operations (P076619)	3,700,000	27,417,000	31,117,000
Planned Lifecycle Asset Replacement: College (P926659)	2,969,000	60,164,000	63,133,000
Planning, Design and Construction (P906605)	1,850,000	33,650,000	35,500,000
Roof Replacement: College (P876664)	300,000	12,065,000	12,365,000
Site Improvements: College (P076601)	700,000	18,734,000	19,434,000
Student Learning Support Systems (P076617)	1,300,000	16,520,000	17,820,000
Takoma Park/Silver Spring Math and Science Center (P076607)	9,000,000	85,002,000	94,002,000
Total - Montgomery College	32,467,000	458,727,000	491,194,000

PART II: Amended Projects

Project Number	Project Name
P096600	Capital Renewal: College
P661901	Collegewide Library Renovations
P661801	Collegewide Road/Parking Lot Repairs and Replacements
P056608	Elevator Modernization: College
P076612	Germantown Student Services Center
P856509	Information Technology: College
P926659	Planned Lifecycle Asset Replacement: College
P876664	Roof Replacement: College
P076601	Site Improvements: College
P076607	Takoma Park/Silver Spring Math and Science Center



Capital Renewal: College

(P096600)

Category	Montgomery College	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,846	1,654	1,392	1,800	300	300	300	300	300	300	-
Construction	24,021	9,513	5,250	9,258	1,700	258	700	3,200	1,700	1,700	-
Other	1,079	751	328	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	29,946	11,918	6,970	11,058	2,000	558	1,000	3,500	2,000	2,000	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	29,946	11,918	6,970	11,058	2,000	558	1,000	3,500	2,000	2,000	-
TOTAL FUNDING SOURCES	29,946	11,918	6,970	11,058	2,000	558	1,000	3,500	2,000	2,000	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)				
Appropriation FY 22 Request		558	Year First Appropriation	FY09
Cumulative Appropriation		20,888	Last FY's Cost Estimate	31,446
Expenditure / Encumbrances		14,979		
Unencumbered Balance		5,909		

PROJECT 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.

LOCATION

College-wide

COST CHANGE

Spending reductions in FY24 and FY25 due to affordability.

PROJECT JUSTIFICATION

Starting FY2009, the County approved funding several renovation projects from the Capital Renewal project. These renovation projects were less likely to receive funding from the State, and as a result five projects at that time were merged into the Capital Renewal project. In November 2007, the College updated a comprehensive building system/equipment assessment, including site utilities and improvements, that identified deficiencies, prioritized replacements and upgrades, and provides the framework for implementing a systematic capital renewal program to complement on-going preventive maintenance efforts. The College continues to have a significant backlog of major building systems and equipment renovations and/or replacements due to the age of the Campuses and deferral of major equipment replacement. Key components of the HVAC, mechanical and electrical systems are outdated, energy inefficient, and costly to continue to repair. The renovation and/or replacement of major building systems, building components and equipment, and site improvements will significantly extend the useful life of the College's buildings and correct safety and environmental problems. The Collegewide Facilities Condition Assessment identified a \$152 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 Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and Collegewide Facilities Master Plan Update (6/18), and Collegewide Utilities Master Plan (Pending 2019).

OTHER

FY21 Appropriation: \$2,000,000 (G.O. Bonds). FY22 Appropriation: \$558,000 (G.O. Bonds).

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.



Collegewide Library Renovations (P661901)

Category	Montgomery College	Date Last Modified	05/24/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Planning Stage

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	4,146	-	400	3,746	-	-	-	3,746	-	-	-
Construction	21,342	-	-	21,342	-	-	2,500	1,868	16,974	-	-
Other	2,728	-	-	2,728	-	-	-	572	1,082	1,074	-
TOTAL EXPENDITURES	28,216	-	400	27,816	-	-	2,500	6,186	18,056	1,074	-

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	14,308	-	400	13,908	-	-	1,250	3,093	9,028	537	-
State Aid	13,908	-	-	13,908	-	-	1,250	3,093	9,028	537	-
TOTAL FUNDING SOURCES	28,216	-	400	27,816	-	-	2,500	6,186	18,056	1,074	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 22 Request	-	Year First Appropriation	FY20
Cumulative Appropriation	400	Last FY's Cost Estimate	16,080
Expenditure / Encumbrances	-		
Unencumbered Balance	400		

PROJECT DESCRIPTION

This project provides funding for the renovation of the libraries on two of Montgomery College's campuses, specifically the Rockville Macklin Tower Building, and the Takoma Park/Silver Spring Resource Center. An architecture firm has developed conceptual designs for the two campus libraries, and has identified improvements required to support organizational and service changes, and to modernize the libraries. The main library floors will be hubs of academic life at Montgomery College: dynamic spaces that will be student-centered, technology and service-driven, and will foster innovation. The upper floors will provide students with comfortable and quiet study spaces and smaller, curated collections to support their academic and career goals. Additional goals of this project is to meet the variety of student needs including group study, individual study, and silent study.

LOCATION

Takoma Park/Silver Spring and Rockville Campuses

ESTIMATED SCHEDULE

A part1/part 2 document will be prepared in FY21 for TPSS Library renovation. Design will start in FY22, construction will begin in FY23, and continue in FY24, with completion in FY24. The Rockville Library project design will begin in FY24, and construction, and FFE will be requested in FY25.

COST CHANGE

Additional scope was added to the Rockville Library project that increased costs.

PROJECT JUSTIFICATION

The Takoma Park/Silver Spring Resource Center was constructed in 1978, and is 41 years old. The Rockville Macklin Tower Building was constructed in 1971 and is 48 years old. These two buildings are outdated, space and service configuration is insufficient, employee workspaces are inadequate to promote collaboration with colleagues, as well as, support student success. In FY16, the Montgomery College Libraries had nearly 670,000 visitors, and ethnographic studies have shown that libraries are one of the places at Montgomery College where students can escape from work and family obligations to get homework and studying done. In addition, Montgomery College's libraries provide students access to technology to be successful in their coursework. In FY16, the Montgomery College library's computers, laptops, and tablets were used approximately 200,000 times by nearly 18,000 unique users. Providing computers, laptops, tablets, software, scanners, internet, and accessible software programs improves college affordability for students who wouldn't otherwise be able to afford those tools. The Montgomery College Libraries increasingly support educational excellence by embedding librarians and information literacy into classes with 7,600 students taught. Other relevant studies and plans include the Libraries Master Plan (2015), Montgomery College Libraries' Ethnographic Studies 2013-2016 (2016), Collegewide Facilities Master Plan Update (6/18), Libraries Planning Study (6/17), and Libraries Planning Study Germantown Addendum (9/17), and Montgomery College 2025 Strategic Plan.

OTHER

FY21 Appropriation: \$0. FY22 Appropriation: \$0.

DISCLOSURES

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

COORDINATION

Macklin Tower Alterations (P036603)



Collegewide Road/Parking Lot Repairs and Replacements (P661801)

Category	Montgomery College	Date Last Modified	12/24/20
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	155	154	-	1	-	1	-	-	-	-
Construction	845	845	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	1,000	999	-	1	-	1	-	-	-	-

FUNDING SCHEDULE (\$000s)

Transportation Facilities Capital Projects Fund (College)	1,000	999	-	1	-	1	-	-	-	-
TOTAL FUNDING SOURCES	1,000	999	-	1	-	1	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	-	Year First Appropriation	FY18
Cumulative Appropriation	1,000	Last FY's Cost Estimate	1,000
Expenditure / Encumbrances	999		
Unencumbered Balance	1		

PROJECT 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.

COST CHANGE

Minor cost acceleration.

PROJECT 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 Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), and the Collegewide Facilities Condition Assessment (12/13).

OTHER

Funding Source: Transportation Facilities Capital Projects Fund - Montgomery College 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).



Elevator Modernization: College

(P056608)

Category	Montgomery College	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	653	546	107	-	-	-	-	-	-	-	-
Construction	5,481	4,237	190	1,054	200	200	200	200	54	200	-
TOTAL EXPENDITURES	6,134	4,783	297	1,054	200	200	200	200	54	200	-

FUNDING SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
G.O. Bonds	6,134	4,783	297	1,054	200	200	200	200	54	200	-
TOTAL FUNDING SOURCES	6,134	4,783	297	1,054	200	200	200	200	54	200	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	200	Year First Appropriation	FY03
Cumulative Appropriation	5,280	Last FY's Cost Estimate	6,280
Expenditure / Encumbrances	4,783		
Unencumbered Balance	497		

PROJECT DESCRIPTION

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

LOCATION

College-wide

COST CHANGE

Spending reductions in FY25 due to affordability.

PROJECT 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 Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), a Collegewide Elevator Study (4/05), the Collegewide Facilities Master Plan Update (6/18), and the Takoma Park/Silver Spring Elevator Update (9/09).

OTHER

FY21 Appropriation: \$200,000 (G.O. Bonds). FY22 Appropriation: \$200,000 (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)



Germantown Student Services Center (P076612)

Category	Montgomery College	Date Last Modified	05/20/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Germantown and Vicinity	Status	Planning Stage

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	9,692	-	-	9,692	-	-	-	7,692	2,000	-	-
Construction	96,928	-	-	10,730	-	-	-	650	-	10,080	86,198
Other	9,692	-	-	-	-	-	-	-	-	-	9,692
TOTAL EXPENDITURES	116,312	-	-	20,422	-	-	-	8,342	2,000	10,080	95,890

FUNDING SCHEDULE (\$000s)											
G.O. Bonds	58,156	-	-	10,211	-	-	-	4,171	1,000	5,040	47,945
State Aid	58,156	-	-	10,211	-	-	-	4,171	1,000	5,040	47,945
TOTAL FUNDING SOURCES	116,312	-	-	20,422	-	-	-	8,342	2,000	10,080	95,890

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 22 Request	-	Year First Appropriation	
Cumulative Appropriation	-	Last FY's Cost Estimate	85,756
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

PROJECT DESCRIPTION

This project provides funds for the design and construction of a new student services center (approximately 153,000 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. The scope of this project has changed to include a library, and bookstore.

LOCATION

Germantown Campus

COST CHANGE

This project has been deferred from FY23 to FY24. Costs increased due to the completion of a part 1/part 2 document, which revealed the need for extensive site work, and estimated a higher building cost.

PROJECT JUSTIFICATION

Supported in this facility are the media resources and academic computing functions, including the computer training lab. The advantage for students is the concentration of support resources in a single location. For the campus, space is made available in other buildings that will allow more growth in office and instructional space before another academic building is needed on campus. Under the application of State space guidelines, the enrollment growth on the Germantown campus has resulted in a significant space deficit. The Germantown campus has a fall 2018 space deficit of 69,081 NASF, and a 2028 projected space deficit of 69,081. Relevant studies include the Montgomery College 2025 Strategic Plan, and Collegewide Facilities Master Plan Update (6/18).

OTHER

FY21 Appropriation: \$0; FY22 Appropriation: \$0. The construction costs in the expenditure schedule (\$96,927,000) include: site improvement costs (\$11,333,000), building construction costs (\$85,594,000). The building construction cost per gross square foot equals \$557 (\$85,594,000/153,000).

DISCLOSURES

A pedestrian impact analysis has been completed for this project. Montgomery College asserts that this project conforms to the requirement 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)

Student Affairs and Science Building Renovation- Phase 2 (CIP# P662102)



Information Technology: College

(P856509)

Category	Montgomery College	Date Last Modified	05/24/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	5,414	5,140	274	-	-	-	-	-	-	-
Construction	21,347	18,347	-	3,000	500	500	500	500	500	500
Other	165,063	114,284	2,779	48,000	7,000	7,500	8,750	8,750	8,000	8,000
TOTAL EXPENDITURES	191,824	137,771	3,053	51,000	7,500	8,000	9,250	9,250	8,500	8,500

FUNDING SCHEDULE (\$000s)

Contributions	1,433	-	-	1,433	-	1,433	-	-	-	-
Current Revenue: General	125,831	73,211	3,053	49,567	7,500	6,567	9,250	9,250	8,500	8,500
G.O. Bonds	4,603	4,603	-	-	-	-	-	-	-	-
PAYGO	2,041	2,041	-	-	-	-	-	-	-	-
Recordation Tax	57,916	57,916	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	191,824	137,771	3,053	51,000	7,500	8,000	9,250	9,250	8,500	8,500

OPERATING BUDGET IMPACT (\$000s)

FULL TIME EQUIVALENT (FTE)				4	4	4	4	4	4
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APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	8,000	Year First Appropriation	FY85
Cumulative Appropriation	148,324	Last FY's Cost Estimate	191,824
Expenditure / Encumbrances	142,206		
Unencumbered Balance	6,118		

PROJECT 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; and the replacement/upgrade of IT equipment to meet student and employee 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 the collegewide college strategic plan. The Office of Information Technology (OIT) with input from the college community determines and recommends the hardware, software, and services to be purchased. Four technical staff positions are funded by this project.

LOCATION

College-wide

PROJECT 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

FY21 Appropriation: \$7,500,000 (Current Revenue: General). FY22 Appropriation: \$6,567,000 (Current Revenue: General) and \$1,433,000 (Contributions). 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. The FY18 Savings Plan reduced FY18 funding and expenditures by \$1,900,000 in Current Revenue: General. FY19 reduction of \$723,000 is due to County affordability constraints.

FISCAL NOTE

FY22 Contributions of \$1.433 million represent Montgomery College's one-time Use of Fund Balance to support this project.

DISCLOSURES

Expenditures will continue indefinitely.

COORDINATION

MC2025 Strategic Plan, Academic Master Plan 2016-2021, Collegewide Facilities Master Plan Update (6/18), Information Technology Master Plan, Student Affairs Master Plan 2018-2022, and 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	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	8,582	4,755	1,427	2,400	400	400	400	400	400	400	-
Construction	70,470	48,661	2,186	19,623	2,100	2,569	2,617	5,137	3,600	3,600	-
Other	635	513	122	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	79,687	53,929	3,735	22,023	2,500	2,969	3,017	5,537	4,000	4,000	-

FUNDING SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
G.O. Bonds	77,747	51,989	3,735	22,023	2,500	2,969	3,017	5,537	4,000	4,000	-
TOTAL FUNDING SOURCES	79,687	53,929	3,735	22,023	2,500	2,969	3,017	5,537	4,000	4,000	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	2,969	Year First Appropriation	FY93
Cumulative Appropriation	60,164	Last FY's Cost Estimate	81,646
Expenditure / Encumbrances	57,284		
Unencumbered Balance	2,880		

PROJECT 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 contract 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. 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.

LOCATION

College-wide

COST CHANGE

Spending reductions in FY24 and FY25 due to affordability.

PROJECT 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 \$152 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 Montgomery College 2025 Strategic Plan, Collegewide Facilities Master Plan Update (6/18), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

OTHER

FY21 Appropriation: \$2,500,000 (G.O. Bonds). FY22 Appropriation: \$2,969,000 (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); \$250,000 to the Takoma Park Expansion Project (CIP No. P996662) (BOT Resol. #07-01-005 - 1/16/07); and \$1,400,000 to the Roof Replacement Project (#P876664)(BOT Resol. #19-041,05/13/19). 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), \$24,000 from the Rockville Campus Science Center Project (CIP No. P036600) (BOT Resol. # 15-03-025 - 03/23/15); and \$1,861,000 in G.O. Bonds from Science West Building Renovation (#P076622). 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). In FY19, \$1,861,000 in G.O. Bonds were transferred from the Science West Building Renovation project (#P076622). In FY20, \$31,000 was transferred from the Macklin Towers Alteration project (P036603) to the Planned Lifecycle Asset Replacement project (BOT Resol.# 20-06-065, 6/22/20).

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).



Roof Replacement: College

(P876664)

Category	Montgomery College	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Planning, Design and Supervision	1,907	1,061	246	600	100	100	100	100	100	100	-
Construction	16,424	9,872	536	6,016	250	200	400	2,562	1,740	864	-
TOTAL EXPENDITURES	18,331	10,933	782	6,616	350	300	500	2,662	1,840	964	-

FUNDING SCHEDULE (\$000s)

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
Current Revenue: General	1,248	1,248	-	-	-	-	-	-	-	-	-
G.O. Bonds	15,880	8,482	782	6,616	350	300	500	2,662	1,840	964	-
State Aid	1,203	1,203	-	-	-	-	-	-	-	-	-
TOTAL FUNDING SOURCES	18,331	10,933	782	6,616	350	300	500	2,662	1,840	964	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	300	Year First Appropriation	FY87
Cumulative Appropriation	12,065	Last FY's Cost Estimate	18,831
Expenditure / Encumbrances	10,958		
Unencumbered Balance	1,107		

PROJECT DESCRIPTION

This project provides for the replacement/major repair of roofs and entrance canopies on buildings at all three campuses, including the addition of roof insulation as part of the replacement work. Project costs are based on comprehensive roof surveys of all College buildings completed in 2008. An update to this survey was completed in FY18.

LOCATION

College-wide

COST CHANGE

Spending reductions in FY24 and FY25 due to affordability.

PROJECT 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 delineates specific building projects. 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 Montgomery College 2020 Strategic Plan, Collegewide Roof Surveys Update (2018), a Collegewide Facilities Condition Assessment Update (12/13) and the Collegewide Master Plan 2013-2023 (2/16).

OTHER

FY21 Appropriation: \$350,000 (G.O. Bonds). FY22 Appropriation: \$300,000 (G.O. Bonds). 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. In FY19, \$813,000 in G.O. Bonds was reallocated from the Bioscience Education Center project (#P056603) and \$937,000 in G.O. Bonds were reallocated from the Science West Building Renovation project (#P076622). In FY19, \$813,000 in G.O. Bonds reallocated from the Germantown Bioscience Education Center project (#P056603) and \$937,000 reallocated from Science West Building Renovation (#P076622). The following fund transfer has been made into this project: \$1,400,000 from the Planned Asset Replacement project (#P926659)(BOT Res. #19-05-041,5/13/19).

DISCLOSURES

Expenditures will continue indefinitely. Montgomery College asserts that this project conforms to the requirement 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), FY19-FY20 -- Rockville Physical Education Center, and Germantown Student Affairs and Science Building.



Site Improvements: College (P076601)

Category	Montgomery College	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Countywide	Status	Ongoing

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
EXPENDITURE SCHEDULE (\$000s)											
Planning, Design and Supervision	3,514	2,588	26	900	200	140	140	140	140	140	-
Site Improvements and Utilities	15,930	13,010	-	2,920	420	480	480	570	390	580	-
Construction	2,890	2,387	23	480	80	80	80	80	80	80	-
TOTAL EXPENDITURES	22,334	17,985	49	4,300	700	700	700	790	610	800	-

FUNDING SCHEDULE (\$000s)											
Current Revenue: General	1,000	1,000	-	-	-	-	-	-	-	-	-
G.O. Bonds	21,334	16,985	49	4,300	700	700	700	790	610	800	-
TOTAL FUNDING SOURCES	22,334	17,985	49	4,300	700	700	700	790	610	800	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 22 Request	700	Year First Appropriation	FY07
Cumulative Appropriation	18,734	Last FY's Cost Estimate	22,634
Expenditure / Encumbrances	18,034		
Unencumbered Balance	700		

PROJECT 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.

LOCATION

College-wide

COST CHANGE

Spending reductions in FY24 and FY25 due to affordability.

PROJECT JUSTIFICATION

In December 2004, the County Council initiated an Infrastructure Maintenance Task Force which gathered information on the maintenance needs of County agencies. The first objective was to identify the direst needs of agencies for additional funding; while the long-term goal was to initiate an ongoing, regular process to update and improve the inventory and analysis of infrastructure maintenance needs. As the College had already completed a facilities assessment, 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 Montgomery College 2020 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), the Collegewide Master Plan 2013-2023 (2/16), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

OTHER

FY21 Appropriation: \$700,000 (G.O. Bonds). FY22 Appropriation: \$700,000 (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.,



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

Category	Montgomery College	Date Last Modified	05/25/21
SubCategory	Higher Education	Administering Agency	Montgomery College
Planning Area	Silver Spring and Vicinity	Status	Under Construction

	Total	Thru FY20	Rem FY20	Total 6 Years	FY 21	FY 22	FY 23	FY 24	FY 25	FY 26	Beyond 6 Years
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	10,276	2,712	7,564	-	-	-	-	-	-	-	-
Construction	74,726	-	8,994	65,732	26,064	19,186	20,482	-	-	-	-
Other	9,000	-	-	9,000	-	7,000	2,000	-	-	-	-
TOTAL EXPENDITURES	94,002	2,712	16,558	74,732	26,064	26,186	22,482	-	-	-	-

FUNDING SCHEDULE (\$000s)

G.O. Bonds	47,001	1,356	8,279	37,366	13,032	13,093	11,241	-	-	-	-
State Aid	47,001	1,356	8,279	37,366	13,032	13,093	11,241	-	-	-	-
TOTAL FUNDING SOURCES	94,002	2,712	16,558	74,732	26,064	26,186	22,482	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 22 Request	9,000	Year First Appropriation	FY16
Cumulative Appropriation	85,002	Last FY's Cost Estimate	92,412
Expenditure / Encumbrances	26,121		
Unencumbered Balance	58,881		

PROJECT 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 Collegewide 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. During FY18, the building was renamed to the Catherine and Isiah Leggett Math and Science Building.

ESTIMATED SCHEDULE

Construction started in November 2019 and is expected to conclude in Summer 2023.

COST CHANGE

Increase in furniture and equipment of \$1.6M due to cost estimates and State allowed escalation.

PROJECT JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Takoma Park/Silver Spring Campus has resulted in a significant instructional space deficit. The Takoma Park/Silver Spring Campus has a Fall 2018 laboratory space deficit of 67,128 NASF and a total space deficit of 731 NASF. The 2028 projected laboratory space deficit is 60,069 NASF and the total space deficit is anticipated to be 74,034 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 Montgomery College 2025 Strategic Plan, Collegewide Facilities Condition Assessment Update (12/13), and the Collegewide Facilities Master Plan Update (6/18).

OTHER

FY21 Appropriation: \$3,484,000; \$1,742,000 (G.O. Bonds), and \$1,742,000 (State Aid). FY22 Appropriation: \$9,000,000; \$4,500,000 (G.O. Bonds), and \$4,500,000 (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 (\$71,242,000) include: site improvement costs (\$6,588,000), building construction costs (\$64,654,000). The building construction cost per gross square foot equals \$480 (\$64,654,000/134,600).

DISCLOSURES

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

COORDINATION

Facility Planning: College (CIP No. P886686)

PART III: Capital Improvements Projects To Be Closed Out

The following capital projects are closed out effective 30-Jun-2021, and the appropriation for each project is decreased by the amount of the project's unencumbered balance.

Project Number	Project Name
P136601	Rockville Parking Garage
