

MEMORANDUM

March 30, 2018

TO: County Council

FROM: <sup>CH</sup> Craig Howard, Senior Legislative Analyst

SUBJECT: **Worksession – Montgomery College FY19-24 Capital Improvements Program and FY19 Capital Budget**

PURPOSE: Review Education Committee Recommendations and Take Action

**Expected Participants:**

- Dr. DeRionne Pollard, President, Montgomery College
- Dr. Janet Wormack, Senior Vice President for Administrative & Fiscal Services, Montgomery College
- Marvin Mills, Vice President for Facilities and Public Safety, Montgomery College
- John McLean, Director of Capital Planning and Design, Montgomery College
- Kristina Schramm, Capital Budget Analyst, Montgomery College
- Rich Harris, Montgomery County Office of Management and Budget

**SUMMARY OF EDUCATION COMMITTEE RECOMMENDATIONS**

**The Education Committee reviewed the College's CIP request on February 26 and March 19 and unanimously made the following recommendations:**

- Approve the Executive's assumption to split additional funding for the Germantown Science and Applied Studies Renovation project between G.O. Bonds and State Aid, and split construction costs for the Germantown Student Services Center project over FY24 and FY25.
- Approve reductions to the Rockville Student Services Center, Takoma Park/Silver Spring Math and Science Center, Germantown Student Services Center, and Elevator Modernization projects.
- Approve project balance transfers totaling \$4,151,560 in G.O. Bonds from the Rockville Science West, Computer Science Alternations, and Germantown Bioscience Education Center projects. Since these previously appropriated funds had been counted against prior year spending affordability guidelines, they can be used as a "slippage credit" and will not count towards the current affordability limits.
- Approve the requested schedule and/or funding source changes for the following projects associated with the G.O. Bond transfers: Elevator Modernization; Roof Replacement; Planning, Design, and Construction; Planned Lifecycle Asset Replacement; and Collegewide Library Renovations.
- Approve the non-recommended reductions submitted by the College, and endorse the priority list for restoration if funding allows during final CIP reconciliation. **Proposed amendments to the College's non-recommended reduction list based on updated information are discussed on page 5.**
- Approve all other projects as submitted by the College.

## A. Overview

The College's FY19-24 CIP request totals \$324.4 million over six years, a decrease of \$7.2 million (or 2.2%) over the amended FY17-22 CIP. The County Executive recommended a six-year total of \$281.2 million, a decrease of \$50.5 million (or 12.2%) from the amended FY17-22 CIP and a reduction of \$43.2 million (or 13.3%) from the College's request. The Executive's recommendation spreads the total reduction across the six years, with the largest reductions in FY21 and FY24.

### Montgomery College FY19-24 CIP: College Request compared to CE Rec (\$'s in 000's)

	Total 6 Years	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
<b>FY17-22 Amended</b>	<b>331,670</b>	<b>67,897</b>	<b>70,903</b>	<b>37,561</b>	<b>36,405</b>	<b>50,521</b>	<b>68,383</b>		
<b>FY19-24 MC Request</b>	<b>324,421</b>			<b>45,184</b>	<b>38,589</b>	<b>62,265</b>	<b>75,315</b>	<b>32,163</b>	<b>70,905</b>
change from amended	(7,249)	n/a	n/a	7,623	2,184	11,744	6,932	n/a	n/a
percent change from amended	-2.2%	n/a	n/a	20.3%	6.0%	23.2%	10.1%	n/a	n/a
<b>FY19-24 CE Recommended</b>	<b>281,192</b>			<b>41,561</b>	<b>36,829</b>	<b>50,725</b>	<b>68,605</b>	<b>27,213</b>	<b>56,259</b>
change from amended	(50,478)	n/a	n/a	4,000	424	204	222	n/a	n/a
percent change from amended	-15.2%	n/a	n/a	10.6%	1.2%	0.4%	0.3%	n/a	n/a
change from MC Request	(43,229)	n/a	n/a	(3,623)	(1,760)	(11,540)	(6,710)	(4,950)	(14,646)
percent change from MC Request	-13.3%	n/a	n/a	-8.0%	-4.6%	-18.5%	-8.9%	-15.4%	-20.7%

**Summary of College request.** While the College's six-year CIP request totals \$324.4 million, the FY19 appropriation request totals \$38.152 million. The College's transmittal letter and summary tables are at ©8-11. The College request includes:

- One new project, Collegewide Library Renovations, to provide funding for library renovations at all three campuses. The College requests funding for this project beginning in FY20.
- Construction escalation cost increases of 3.5% as allowed by the State for the College's state assisted projects (Rockville Student Services Center, Germantown Student Services Center, and TP/SS Math and Science Center). The escalation costs are funded 50/50 between the County and the State.
- Increases in the Planning, Design, & Construction project to fund salary and benefit enhancements.
- An increase of \$1.5 million in FY19 for the Collegewide Physical Education Building Renovation project, supported entirely by student fee revenue.
- An increase of \$1.86 million in FY19 for the Planned Life-Cycle Asset Replacement project.
- Merging the Network Operating Center and Network Infrastructure Support Systems projects, and renaming it the Network Infrastructure and Server Operations project.

**Summary of County Executive recommendation.** The Executive does recommend specific reductions and changes to the Collegewide Library Renovations project, and includes an Affordability Reconciliation PDF that reduces a set amount from the College's request but does not specify how the reductions would be taken (©12-16). The Executive Recommendation for the Library Renovation project would delay the start of the project until FY23, pushing \$10.3 million of the costs beyond the six-year CIP timeframe, and split the entire project costs between G.O. Bonds and State Aid. The Affordability Reconciliation PDF does list "potential opportunities" for the College to adjust specific project budgets:

- Pursuing maximum State Aid for costs incurred for the Germantown Student Services Building and the Collegewide Libraries Renovation project;

- Splitting construction for the Germantown Student Services Building over two years as has been past practice; and
- Funding requested Level of Effort project and escalation increases from unencumbered balances in other projects.

On February 26, the Committee held its initial review of Montgomery College's FY19-24 CIP request. In recognition of the gap between the College's request and the Executive's recommendation, the Committee unanimously made the following recommendations:

- Reduce and/or shift funding for the Germantown Science and Applied Studies Renovation and Germantown Student Services Center projects as assumed by the Executive;
- Ask the College to review the current unencumbered balances in projects that are largely complete to determine if any funds are available to help fund the College's request;
- Ask the College to provide a list of "non-recommended" reductions from its CIP to meet the Executive's target funding level.

On March 14, the College submitted a letter (©2-7) that includes:

- 1) Recommended changes to four projects that reduce the College's request by \$5.9 million;
- 2) Identification of \$4.2 million in remaining project balances that can be used to help fund the College's request; and
- 3) Non-recommended reductions for three projects totaling \$20.7 million. (Based on updated information, suggested revisions to these reductions are discussed on page 5).

## **B. Summary of Recommended Project Changes**

The Committee approved the following reductions and/or funding sources changes to project that were either assumed by the Executive (and supported by the College) or submitted by the College as revisions due to affordability consideration. **The College is not requesting restoration of these changes.**

- Split \$382,000 in additional funding being transferred to the Germantown Science and Applied Studies Renovation project between G.O. Bonds and State Aid.
- Split the \$47.3 million in construction costs for the Germantown Student Services Center project requested in FY24 over two years, half in FY24 and half in FY25 (outside the six-year CIP).
- Forgo the 3.5% state escalation increases that were included in the College's initial request for the Rockville Student Services Center, the Takoma Park/Silver Spring Math and Science Center, and the Germantown Student Services Center project. Escalation cost increases are split 50/50 between the County and the State.
- Reduce the Rockville Student Services Center project request by \$1.7 million in FY19 based on the State's final approval for furniture and equipment costs.
- Reduce the Elevator Modernization project by \$93,000 in FY19 due to a revised cost estimate based on affordability considerations.

**Table 1: Summary of Committee Approved Project Changes – FY19-24 CIP Request**

Project	Recommended Change	Total Change	G.O. Bond Change	State Aid Change
Takoma Park/Silver Spring Math and Science Center	No 3.5% cost escalation	-\$2,640,000	-\$1,320,000	-\$1,320,000
Germantown Student Services Center	No 3.5% cost escalation	-\$1,120,000	-\$560,000	-\$560,000
	Split construction costs over two years, FY24 and FY25	-\$23,647,000	-\$11,823,000	-\$11,824,000
Rockville Student Services Center	No 3.5% cost escalation	-\$322,000	-\$161,000	-\$161,000
	Reduce furniture and equipment costs to reflect State approval	-\$1,694,000	-\$847,000	-\$847,000
Elevator Modernization	Revised cost estimate	-\$93,000	-\$93,000	\$0
Germantown Science and Applied Studies	Split funding increase	\$0	-\$191,000	+\$191,000
<b>Total</b>		<b>-\$29,516,000</b>	<b>-\$14,995,000</b>	<b>-\$14,521,000</b>

### C. Proposed Project Balance Transfers

At the Committee's request, the College conducted a review of the unencumbered balances remaining in projects that are largely complete to determine if any of those previously appropriated funds could be transferred to other projects. Based on this review, the College has identified approximately \$4.2 million that could be transferred to help fund other projects in the FY19-24 CIP:

- \$3,146,446 from the Rockville Science West Building project;
- \$813,114 from the Germantown Bioscience Education Center project; and
- \$191,000 from the Rockville Computer Science Alternations project.

The Committee approved the College's recommendation to transfer these funds to five projects as detailed in Table 2 on the next page, reducing the amount of new G.O. Bond and/or current revenue funding needed for the College's CIP.

**Table 2: Summary of Committee Approved Balance Transfers – FY19-24 CIP Request**

Project	Fiscal Year	Transfer Amount	Additional Details
Planned Lifecycle Asset Replacement	FY19	+\$1,861,000	The transfer would allow for the full \$4 million level-of-effort funding in FY19.
Roof Replacement	FY19	+\$903,000	The transfer would help fund a revised FY19 request of \$2 million for this project to complete the Rockville PE Building roof replacement in one year instead of multiple years.
Elevator Modernization	FY19	+\$707,000	The transfer would fund the additional FY19 request for a new elevator at the Germantown High Technology building while maintaining project level-of-effort funding at \$200,000 per year.
Planning, Design, and Construction	FY19	+\$140,000	For both years, the transfer would replace \$70,000 in G.O. Bond funding and \$70,000 in current revenue funding.
	FY20	+\$140,000	
Collegewide Library Renovations	FY20	+\$400,000	The transfer would fund the design of the TP/SS library renovation as part of the College's revised schedule and costs for this project.
<b>Total</b>		<b>+\$4,151,000</b>	

#### D. Non-Recommended Reductions

After accounting for the recommended project changes and the proposed balance transfers, the College submitted a list of \$20.7 million in non-recommended reductions in three projects – Planning, Design, and Construction; Collegewide Library Renovations; and Roof Replacement – to meet the County Executive’s affordability targets (©7). The Committee approved the non-recommended list as submitted by the College.

**Amendments to non-recommended reductions list.** After updating the individual projects based on the Committee approved changes by total and by funding source, Council and OMB staff determined that the College’s non-recommended reductions for G.O. Bonds exceed the amount needed to be cut by \$445,000 in FY23 and \$5,095,000 in FY24. As a result, the Council can restore those amounts to the College’s CIP and stay within the Executive’s affordability constraints.

Based on this updated information, the College has provided a revised non-recommended reductions list (©1) totaling \$15.1 million as shown Table 3. The College also lists the non-recommended reductions in priority order for restoration as funding allows as part of the Council’s initial CIP reconciliation or final CIP reconciliation in May. In addition, the College requests restoring \$5.54 million that was included in the prior non-recommended reductions list as follows:

- Planning, Design, and Construction Project - \$140,000 in both FY23 and FY24;
- Roof Replacement - \$250,000 in both FY23 and FY24; and
- Collegewide Library Renovations - \$55,000 in FY23 and \$4,705,000 in FY24.

**Table 3: Revised Montgomery College Non-Recommend Reductions to FY19-24 CIP Request**

Project	Fiscal Year	Amount	Impact	Restoration Priority
Planning, Design, and Construction	FY21	-\$140,000	Appropriation would be lower than the projected salary and benefit costs for the 16 positions funded by this project. Reduction split between G.O. Bonds (\$70K) and current revenue (\$70K).	1
	FY22	-\$140,000		2
Collegewide Library Renovations	FY21	-\$4,500,000	Eliminate the construction and furniture/equipment funding for the TP/SS library renovation.	3
Roof Replacement	FY20	-\$250,000	Reduction would result in level-of-effort of \$250K per year instead of \$500K, impacting the College’s ability to address backlog in project. Funding for this project was skipped in FY16-18 due to affordability constraints.	4
	FY21	-\$250,000		5
	FY22	-\$250,000		6
Collegewide Library Renovations	FY22	-\$835,000	Reduce design funding for the Rockville library renovation.	7
Collegewide Library Renovations	FY23	-\$8,775,000	Reduce construction and furniture/equipment funding for the Rockville library renovation.	8

**Council staff recommends approval of the amended non-recommended reductions list for Montgomery College, and restoring G.O. Bond funding of \$445,000 in FY23 and \$5,095,000 in FY24 as requested by the College.**

## E. Individual Project Details

This section provides additional detail for individual projects, including the changes and non-recommended reduction scenarios approved by the Committee.

### Collegewide Library Renovations (©26)

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 Years
<b>Original MC Request</b>	<b>21,330</b>	--	890	10,190	4,960	5,290	--	--
GO Bonds (new)	21,330	--	890	10,190	4,960	5,290	--	--
<b>CE Recommended</b>	<b>11,080</b>	--	--	--	--	890	10,190	10,250
GO Bonds (new)	5,540	--	--	--	--	445	5,095	5,125
State Aid	5,540	--	--	--	--	445	5,095	5,125
<b>Revised MC Request</b>	<b>19,270</b>	--	400	4,500	890	9,790	3,690	--
GO Bonds (new)	18,870	--	--	4,500	890	9,790	3,690	--
GO Bonds (transfer)	400	--	400	--	--	--	--	--
State Aid	--	--	--	--	--	--	--	--
<b>ED Approved Non-Rec Reductions</b>	<b>400</b>	--	400	--	--	--	--	18,870
GO Bonds (new)	--	--	--	--	--	--	--	18,870
GO Bonds (transfer)	400	--	400	--	--	--	--	--
State Aid	--	--	--	--	--	--	--	--
<b>Revised Non-Rec Reductions</b>	<b>5,106</b>	--	400	--	--	55	4,705	14,110
GO Bonds (new)	4,760	--	--	--	--	55	4,705	14,110
GO Bonds (transfer)	400	--	400	--	--	--	--	--
State Aid	--	--	--	--	--	--	--	--

The College initially requested a six-year total of \$21.3 million in G.O. Bond funding for this new project, with funding to begin in FY20. The PDF notes the project is intended to fund the renovation of the libraries on all three campuses in the Rockville Macklin Tower Building, the Takoma Park/Silver Spring Resource Center, and the Germantown Humanities and Social Sciences Building. An architecture firm has developed conceptual designs to modernize each existing library, and current buildings would not be torn down or replaced.

The Executive's recommendation includes a revised PDF for this project with two significant changes from the College request due to affordability constraints:

- Delaying the start of the project by three years from FY20 to FY23, which pushes \$10.3 million outside the six-year CIP cycle; and
- Splitting the funding for the project 50/50 between G.O. Bonds and State Aid.

Prior to the March 19 Committee worksession, the Committee discussed the overall costs of the project, how the costs broke down by library, and the potential use of state aid. As part of their submission, the College recommended the following cost and schedule adjustments to the project:

- A reduction in overall project costs of \$2.1 million to reflect the elimination of high-density shelving and other changes for the Germantown library renovation. These changes will reduce the projected construction costs for the Germantown library to \$206 per square foot, closer to the cost per square foot for the Takoma Park/Silver Spring (\$185) and Rockville (\$175) renovations.

- Adjusting the project schedule to separate out each individual library renovation over a five-year timeframe. The adjusted schedule proposes renovating the Takoma Park/Silver Spring library in FY20-21 (with design the first year followed by construction the next), the Rockville library in FY22-23, and the Germantown library in FY25.
- While the project would be deferred in the non-recommended reduction scenario, the revised schedule allows for the potential restoration of each library separately if funding allows. The priority for available funding is Takoma Park/Silver Spring first, Rockville second, and Germantown third.

**Further project details.** The Germantown and Takoma Park/Silver Spring library buildings were constructed in 1978 and are 39 years old, while the Rockville building was constructed in 1971 and is 46 years old. The PDF notes that all three of these buildings are outdated, space and service configuration is insufficient, and employee workspaces are inadequate to promote collaboration with colleagues or support student services. The College provided a breakdown of the projected renovation costs per library in the table below, updated with the adjustments to the Germantown project noted above. The College states that the planning costs are estimated at 10% of the construction cost, and the furniture, fixtures, and equipment varies by the need of each campus.

	Rockville Campus Macklin Tower	Takoma Park/Silver Spring Resource Center	Germantown Humanities and Social Sciences
Planning	\$890,000	\$400,000	\$290,000
Construction	\$8,900,000	\$4,000,000	\$2,900,000
Furniture, Fixtures, and Equipment	\$890,000	\$500,000	\$500,000
<b>Total</b>	<b>\$10,680,000</b>	<b>\$4,900,000</b>	<b>\$3,690,000</b>
<b>Total Square Feet</b>	<b>50,629</b>	<b>21,555</b>	<b>14,026</b>
Total Cost per Square Foot	\$210.95	\$227.33	\$263.08
Construction Cost per Square Foot	\$175.79	\$185.57	\$206.76

**Use of State Aid.** As noted above, the College submitted this project with 100% G.O. Bond funding while the Executive recommends seeking State Aid for this project. The project would be eligible for State Aid if sought by the College, subject to approval and availability of funds. The College's overall strategy for State Aid, reviewed and endorsed by the Council in 2008 and again in 2010, is to seek State Aid for large projects. Specifically, the strategy endorsed previously states: "The College hopes and expects to get one major project each year, but more than one is not likely. Therefore, requesting State Aid for design or small construction projects is not rational. To maximize the amount of State Aid the College gets, the requests should be for big construction projects..."<sup>1</sup>

The County Office of Management and Budget (OMB) notes that based on current project schedules there are two years, FY21 and FY23, where the College will not be making a new State funding request. Given how the State typically allocates available funding (every College gets its first priority before any college gets its second priority, and every college gets its second priority before any college gets its third priority, etc.), the Executive's position is that it makes sense for Montgomery College to request funds in those years when there is an eligible project. Additionally, OMB points out that the total State grant funding available to community colleges is scheduled to increase from approximately \$60 million in FY19 to \$80 million on FY21, meaning more funds might be available if the State follows through on this plan.

In addition to the overall strategy, College staff notes that there are other variables that come into play related to State Aid including the request process and potential impact on other project requests as detailed in the document attached at ©17-20.

<sup>1</sup> [http://montgomerycountymd.granicus.com/MetaViewer.php?view\\_id=150&clip\\_id=137&meta\\_id=94183](http://montgomerycountymd.granicus.com/MetaViewer.php?view_id=150&clip_id=137&meta_id=94183), pg.5

The Committee had a comprehensive discussion on the potential use of State Aid for this project at both worksessions, with input from both OMB and the College detailing their perspectives. **Based on the uncertainty of receiving state aid for this project and a desire to continue the College's focus on seeking state aid for larger dollar projects, the Committee unanimously recommended not asking the College to seek State Aid for the Collegewide Library Renovations project at this time.**

The Committee also asked the College to determine whether it could achieve cost efficiencies for the Takoma Park/Silver Spring library renovation if it were combined with the ongoing work on the Math and Science Center project. The College provided the following response: *The College has reviewed the inclusion of the TPSS library with the TPSS Math and Science Center project to determine possible cost savings. The TPSS Math and Science building will be a CM at risk contract, and due to the type of contract it makes it difficult to quantify cost savings. Since a specific level of savings is not clear at this time, the College will continue to review this matter to determine possible cost savings.*

#### **Roof Replacements (PDF ©51)**

<b>FY19-24 CIP</b>	<b>Total 6 Years</b>	<b>FY19</b>	<b>FY20</b>	<b>FY21</b>	<b>FY22</b>	<b>FY23</b>	<b>FY24</b>
<b>Original MC Request</b>	<b>3,250</b>	<b>750</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>
GO Bonds (new)	3,250	750	500	500	500	500	500
<b>Revised MC Request</b>	<b>4,500</b>	<b>2,000</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>
GO Bonds (new)	1,097	1,097	500	500	500	500	500
GO Bonds (transfer)	903	903	-	-	-	-	-
<b>ED Approved Non-Rec Reductions</b>	<b>3,250</b>	<b>2,000</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>
GO Bonds (new)	2,347	1,097	250	250	250	250	250
GO Bonds (transfer)	903	903	-	-	-	-	-
<b>Revised Non-Rec Reductions</b>	<b>3,750</b>	<b>2,000</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>500</b>
GO Bonds (new)	2,847	1,097	250	250	250	500	500
GO Bonds (transfer)	903	903	-	-	-	-	-

This project provides for the replacement/major repair of roofs and entrance canopies on buildings on all three campuses, including the addition of roof insulation as part of the replacement work. The College's original FY19-24 request of \$3.25 million was an increase in the six-year total of \$2.25 million over the FY17-22 Amended CIP. The FY19 request is \$750,000 with level of effort funding of \$500,000 in the remaining years.

As part of the revisions approved by the Committee, the FY19 funding for this project increases from \$750,000 to \$2.0 million. This \$1.25 million increase is funded via a combination of a project balance transfer and additional FY19 G.O. Bond capacity created from the reduction of \$847,000 from the Rockville Student Services Center project.

The College notes that this change is requested to replace the entire roof for the Rockville Physical Education building in FY19 instead of replacing it in three phases over multiple fiscal years. The non-recommended reductions in this project would begin in FY20 and would still allow for the single-phase roof replacement of the PE building. The Executive did include technical change to correct the "Thru FY17" column a revised in this project which are incorporated into the Committee's approval.



**Planning, Design, and Construction (PDF at ©48)**

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>10,776</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>
GO Bonds (new)	5,388	898	898	898	898	898	898
Current Revenue	5,388	898	898	898	898	898	898
<b>Revised MC Request</b>	<b>10,776</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>	<b>1,796</b>
GO Bonds (new)	5,248	828	828	898	898	898	898
GO Bonds (transfer)	280	140	140	-	-	-	-
Current Revenue	5,248	828	828	898	898	898	898
<b>ED Approved Non-Rec Reductions</b>	<b>10,216</b>	<b>1,796</b>	<b>1,796</b>	<b>1,656</b>	<b>1,656</b>	<b>1,656</b>	<b>1,656</b>
GO Bonds (new)	4,968	828	828	828	828	828	828
GO Bonds (transfer)	280	140	140	-	-	-	-
Current Revenue	4,968	828	828	828	828	828	828
<b>Revised Non-Rec Reductions</b>	<b>10,496</b>	<b>1,796</b>	<b>1,796</b>	<b>1,656</b>	<b>1,656</b>	<b>1,796</b>	<b>1,796</b>
GO Bonds (new)	5,248	828	828	828	828	968	968
GO Bonds (transfer)	280	140	140	-	-	-	-
Current Revenue	4,968	828	828	828	828	828	828

This project funds 16 full-time positions in the Facilities Office that plan, design, and manage the College's capital program. The College requests an increase of \$140,000 in each of the six years to fund salary enhancements and increases in benefit costs, for a six-year total increase of \$912,000. In FY18, the Council approved increases of \$74,000 per year to reflect salary increases as part of the FY17-22 Amended CIP.

The Council's typical approach to compensation increases in the capital budget is to provide funding comparable to the increase provided to positions in the prior fiscal year's operating budget. The \$74,000 increase approved in FY18 reflected the 4.5% salary increases provided to employees in the FY17 operating budget. For FY19, the College's requested increase breaks down as follows:

- \$70,000 for the 3% salary increases College employees received in FY18; and
- \$70,000 for a projected salary increase in FY19 as well as to address increasing benefit costs, primarily for health insurance.

The College reports that, to minimize the annual funding needed for this project, the appropriation requests in recent years have been lower than the total annual salary and benefit costs in the project. For example, in FY18 the total appropriation for this project was \$1.7 million, but the total salary and benefit costs paid out of the project are \$2.0 million. This has resulted from three factors:

- **Forward funding of salary increases.** While the Council's practice is to increase the capital budget in the year after salary increases are provided, the College still provides the staff paid under this project with salary increases at the same times as the rest of the College staff.
- **Increasing benefits costs, primarily for health insurance.** Overall group insurance costs for the College increased by 13% from FY16-18, but these increases have not been incorporated into the annual request.
- **Availability of carryover funds in project.** In prior years, the College has transferred unused funds from other projects into Planning, Design and Construction to provide a carryover balance to cover the annual difference. Most recently, \$700,000 was transferred into the project in 2016 from the Bioscience Education Center project.

The College estimates that, without the requested increase, the available carryover funds will be used up by the end of FY20. While the request does not cover the entire annual expenditure gap, the College believes that an incremental first step will help prevent the need for a larger future request.

**Germantown Science and Applied Studies Phase 1 - Renovation** (PDF at ©36)

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>467</b>	<b>367</b>	<b>100</b>				
GO Bonds (transfer)	367	317	50	-	-	-	-
State Aid	100	50	50				
<b>ED Committee Approved</b>	<b>467</b>	<b>367</b>	<b>100</b>				
GO Bonds (transfer)	176	126	50	-	-	-	-
State Aid	291	241	50				

This project provides for the realignment/renovation of space in the Science and Applied Studies building on the Germantown Campus. This project is scheduled to be completed in the winter of 2019. The College is requesting a transfer of \$267,000 in unspent G.O. Bonds from the Rockville Computer Science Alternations project to cover additional costs associated with unforeseen conditions. **The Committee approved the Executive's recommended funding source shift.**

**College request.** As construction on this project finishes up, the College anticipates additional costs associated with change orders and other factors to exceed the current appropriation. To address this issue, the College plans to transfer a total of \$382,000 in G.O. Bond funding from Computer Science Alterations (©30) to the Science and Applied Studies project. The Computer Science Alternations project is complete, and had \$382,000 remaining in unspent funds. The Board of Trustees already approved an FY18 transfer of \$115,000 in November, the maximum amount the Board could transfer between these projects under county regulations. As a result, the College is requesting that the Council authorize the transfer of the remaining \$267,000.

**Executive recommendation.** While the Executive's recommendation does not make specific revisions to this PDF, the Affordability Reconciliation PDF does assume a change related to funding sources for this transfer. Since the Science and Applied Studies project receives state funding, the Executive believes that the additional \$382,000 in funding should be split 50/50 between G.O. Bonds and State Aid. As a result, the Executive's recommendation is to:

- Transfer \$76,000 in G.O. Bonds from Computer Science Alterations to Science and Applied Studies. When combined with the \$115,000 already transferred by the Board of Trustees, this would total a \$191,000 increase in G.O. Bonds for the project.
- Assume an additional \$191,000 in State Aid. Since the State has already approved the total aid for this project, the College would need to request the additional funds based on actual costs incurred during the final project close-out process with the State. While there is no guarantee that the State will approve the additional funding, OMB notes that the College has taken this split funding approach for other projects in the past.
- Use the remaining \$191,000 in the Computer Science Alternations project to offset cost increases in a different project.

**Elevator Modernization: College (PDF ©31)**

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>2,000</b>	<b>1,000</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>
GO Bonds (new)	2,000	1,000	200	200	200	200	200
<b>ED Committee Approved</b>	<b>1,907</b>	<b>907</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>
GO Bonds (new)	1,200	200	200	200	200	200	200
GO Bonds (transfer)	707	707	-	-	-	-	-

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses. The College's FY19-24 request includes a six-year total increase of \$1.1 million over the FY17-22 Amended CIP. The increase is due to:

- Restoration of level of effort funding (\$200,000 per year) in FY20 and FY21. Funding had previously been reduced in these years due to affordability considerations.
- A request of \$907,000 in FY19 to fund the construction of an additional elevator in the High Technology Building on the Germantown Campus. The building currently has one elevator, and the College seeks to provide at least two elevators in each campus building to ensure and enhance accessibility in case one elevator is out of service.

**The Education Committee approved a reduction of \$93,000 in FY19 from the College's original request based on affordability considerations.**

**Germantown Student Services Center (PDF ©38)**

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 Years
<b>Original MC Request</b>	<b>56,768</b>				<b>6,212</b>	<b>3,262</b>	<b>47,294</b>	<b>4,730</b>
GO Bonds (new)	28,384	-	-	-	3,106	1,631	23,647	2,365
State Aid	28,384				3,106	1,631	23,647	2,365
<b>ED Committee Approved</b>	<b>467</b>				<b>6,124</b>	<b>3,102</b>	<b>22,847</b>	<b>27,578</b>
GO Bonds (new)	176	-	-	-	3,026	1,551	11,424	13,789
State Aid	291				3,026	1,551	11,423	13,789

This project provides for the design and construction of a new 95,000 square feet student services center as outlined in the Germantown Campus Facilities Master Plan. The planned timing of this project has not changed from the approved FY17-22 CIP, and the large increase in the six-year total reflects the movement of dollars into the six-year CIP timeframe in FY23-24. The College's original request included a 3.5% cost escalation factor increase for design, construction, and furniture/equipment. **The College's revised request, approved by the Education Committee, removed the escalation increase due to uncertain state funding and affordability considerations.**

The Executive's Affordability Reconciliation PDF also suggested splitting the construction costs for this project requested for FY24 over two years, half in FY24 and the other half in FY25. This recommendation moves half of the construction costs outside the six-year CIP timeframe. **The Education Committee approved the Executive's recommendation, which was supported by the College.**

**Rockville Student Services Center** (PDF at ©50)

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>11,491</b>	<b>11,491</b>					
GO Bonds (new)	6,734	6,734	-	-	-	-	-
State Aid	4,757	4,757					
<b>ED Committee Approved</b>	<b>9,475</b>	<b>9,475</b>					
GO Bonds (new)	5,726	5,726	-	-	-	-	-
State Aid	3,749	3,749					

This project provides for the construction of a new student services center on the Rockville Campus, which will facilitate centralization of student intake and support functions into one facility. The College estimates that construction will be completed in the spring of 2019. The College's original request included a 3.5% cost escalation factor increase for design, construction, and furniture/equipment. **The College's revised request, approved by the Education Committee, removed the escalation increase due to uncertain state funding and affordability considerations and further reduced the project by \$1.7 million in FY19 based on the State's final approval for furniture/equipment costs.**

**Takoma Park/Silver Spring Math and Science Center** (PDF at ©58)

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>86,766</b>	<b>4,582</b>	<b>12,884</b>	<b>28,464</b>	<b>40,532</b>		
GO Bonds (new)	43,383	2,291	6,594	14,232	20,266	-	-
State Aid	43,383	2,291	6,594	14,232	20,266		
<b>ED Committee Approved</b>	<b>84,126</b>	<b>4,582</b>	<b>12,708</b>	<b>27,504</b>	<b>39,332</b>		
GO Bonds (new)	42,063	2,291	6,354	13,752	19,666	-	-
State Aid	42,063	2,291	6,354	13,752	19,666		

This project provides for a new academic building supporting science programs and the Mathematics Department. The new math and science building will replace the Science South and Falcon Hall buildings. The College's original request included a 3.5% cost escalation factor increase for design, construction, and furniture/equipment. **The College's revised request, approved by the Education Committee, removed the escalation increase due to uncertain state funding and affordability considerations.**

While this project does not include any requested funding changes other than the state escalation changes, the Committee asked the College to provide an update on the status of the design phase of this project. Background on the Council's discussion of this project during FY18 is summarized below, and an update from the College on the integrated design firm hired for this project in February is available at ©4.

During FY18 capital budget deliberations, the Education Committee and the full Council reviewed and discussed the College's amended funding request for a new Math and Science Center on the Takoma Park/Silver Spring Campus. The College's request was for a new math and science building to replace the Science South and Falcon Hall buildings, which was a change based on the College's updated Facilities Master Plan approved by the Board of Trustees in February 2016. The prior Facilities Master Plan had the new building replacing the Science South and Science North buildings.

Councilmembers unanimously agreed on the need for modern and functional math and science facilities on this campus, but requested that the College continue its ongoing discussions with the Takoma Park and Silver Spring communities regarding the location of the new building. Specifically, the Education Committee recommended and the Council endorsed the following language on May 9 as part of its FY18 capital budget worksession:

“The Committee also discussed the PDF language for the Takoma Park/Silver Spring Math and Science Center project. The PDF reflects the College’s approved Facilities Master Plan, which states that the new building will replace the Science South and Falcon Hall buildings. The total costs associated with the project in the PDF are also based on the current plan. The PDF does not preclude the College and stakeholders including the Takoma Park and Silver Spring communities from continuing to discuss the future of the Campus, and the Council’s budget process provides opportunities to update or amend the PDF. As a result, the College may revise (and submit for Council approval) the PDF for this project as appropriate to reflect outcomes from the ongoing Community Conversations and/or the upcoming building design charrette process once the design funding is approved for the project in FY18. Last year, the Council directed the College to utilize the charrette process during the design phase of this project.”

On October 11, the Education Committee received an update on the College’s plans for the Takoma Park/Silver Spring Math and Science Center based on a September 29 letter from Dr. Pollard. The Education Committee unanimously endorsed the College’s proposal – to continue the existing plan for the new Math and Science Center to replace the Science South and Falcon Hall buildings with the specific design and construction mitigation directives outlined by the College. Dr. Pollard’s September 29 letter as well as a follow-up letter dated October 19 to the Mayor of Takoma Park re-affirming the College’s intention to implement the design and construction mitigation directives are attached ©59-70.

**Planned Lifecycle Asset Replacement: College (PDF ©46)**

FY19-24 CIP	Total 6 Years	FY19	FY20	FY21	FY22	FY23	FY24
<b>Original MC Request</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>
GO Bonds (new)	24,000	4,000	4,000	4,000	4,000	4,000	4,000
<b>ED Committee Approved</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>
GO Bonds (new)	22,139	2,139	4,000	4,000	4,000	4,000	4,000
GO Bonds (transfer)	1,861	1,861	-	-	-	-	-

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. The College requests level of effort funding of \$4 million per year for FY19-24, which reflects an increase of \$1.861 million in FY19 compared to the Approved FY17-22 level.

Last year as part of the final CIP reconciliation, the Council approved a \$1.861 million “slippage credit” for the College related to funds that were programmed in FY16 for the Science East Building Renovation but were no longer needed to complete the project. The Council’s approval used the slippage credit to accelerate \$1.861 million in G.O Bonds from FY19 to FY18 in the PLAR project, but did not increase the six-year total. This action allowed the College to spend those funds one year earlier than anticipated.

The College’s request restores the FY19 funding to the full \$4 million. The College notes that this is needed due to a backlog of needs within this project, as well as the fact that the project was reduced by \$4.7 million in total in FY17 due to affordability constraints.

### Collegewide Physical Education Renovations (PDF at ©28)

This project provides funding for the renovation of physical education buildings on Montgomery College's three campuses, turf to support the College's athletic programs, and Title IX improvements. The College requests an appropriation of \$1.5 million for this project in FY19 to complete the conversion of the former baseball field on the Rockville campus to a new competition-level soccer field. The total cost of the project is \$3.8 million, and the Council approved an FY18 appropriation of \$2.3 million for this project.

As with the prior appropriations for this project, no County funds are requested as the College proposes to fund this increase from the student fee-supported Major Facilities Capital Projects Fund (MFCPF). During last year's capital budget discussions, the Executive had recommended using \$3 million from the MFCPF to replace planned G.O. Bond funding in the Takoma Park/Silver Spring Math and Science Center project. The Council did not approve the Executive's recommendation, in part based on concerns raised by the College that they did not have \$3 million available in the MFCPF to use for this purpose due to the need to maintain an adequate reserve level in the Fund. Because this Fund also pays debt service on outstanding bonds, the College maintains a "coverage ratio" of 6:1 in the Fund to ensure an adequate reserve level and notes that the coverage ratio is reviewed by the rating agencies when determining the College's bond rating.

Council staff asked the College to provide updated data showing how the planned \$1.5 million in FY19 expenditures would impact the MFCPF's reserve level and coverage ratio. The updated data, shown below, indicates that the College will still maintain the recommended 6:1 coverage ratio in the Fund with the additional requested FY19 expenditures. The College does note that this results in part from a planned \$2 increase in the major facilities fee beginning in FY19.

#### **MONTGOMERY COLLEGE**

Major Facilities Reserve and Capital Projects  
Funds 91001 and 91002  
FY2017-FY2021

	<u>Actuals</u> <u>FY2017</u>	<u>Projections</u> <u>FY2018</u>	<u>Projections</u> <u>FY2019</u>	<u>Projections</u> <u>FY2020</u>	<u>Projections</u> <u>FY2021</u>
Beginning fund balance	\$ 11,822,091	\$ 9,415,677	\$ 9,005,940	\$ 7,784,098	\$ 8,592,392
Revenues - Credit & Interest	2,428,059	2,298,669	3,155,217	3,164,100	3,214,318
Estimated non-credit revenues	387,086	-	350,000	350,000	350,000
Bond Principle & Interest Payments	(1,712,206)	(1,708,406)	(1,708,006)	(1,705,806)	(1,711,806)
Capital Project expenses (funded by Major Facility Fees)	(3,509,353)	-	-	-	-
Committed Capital Projects Balance	-	(1,000,000)	(1,519,053)	-	-
Available for future Capital Projects	-	-	(1,500,000)	(1,000,000)	(1,000,000)
Projected Fund Balance	<u>\$ 9,415,677</u>	<u>\$ 9,005,940</u>	<u>\$ 7,784,098</u>	<u>\$ 8,592,392</u>	<u>\$ 9,444,904</u>
Coverage (Revenues + fund balance) 6:1	8.55	6.86	6.45	6.04	6.52

#### Notes:

1. Bonds were refunded in May 2014
2. No revenues transfer by WDCE in FY18
3. Interest income estimated \$75,000 per year
4. FY16 - FY19 \$8M budgeted for capital projects
5. Deducted (Amortized) \$238,000 annually for the gain realized from the refinancing.
6. Assumes \$2 increase in major facilities fee beginning in FY19

## F. All Other Projects

The College's request includes several projects with either minimal or no changes to project scope, cost, or timing from the Amended FY17-22 CIP as summarized below. The Committee supported these projects as submitted by the College, with the only changes being approval of the requested project balance transfers from Rockville Science West, Germantown Bioscience Education Center, and Rockville Computer Sciences Alterations

Project Name	Comments	PDF at:
<b>Collegewide</b>		
ADA Compliance	Same as Approved CIP	©21
Capital Renewal: College	FY19-24 level of effort same as Approved CIP	©24
Collegewide Road/Parking Lot Repairs and Replacements	Same as Approved CIP	©29
Energy Conservation: College	Same as Approved CIP	©32
Facility Planning: College	Same as Approved CIP	©34
Information Technology: College	Same as Approved CIP	©39
Instructional Furniture and Equipment	Same as Approved CIP	©41
Network Infrastructure and Server Operations	<ul style="list-style-type: none"> <li>Combines the Network Operating Center/Datacenter and Network Infrastructure and Support Systems projects</li> <li>Funding is the same as the combined total for the former projects in the Approved CIP</li> </ul>	©43
Site Improvements: College	FY19-24 level of effort same as Approved CIP	©56
Student Learning Support Systems	Same as Approved CIP	©57
<b>Germantown Campus</b>		
Bioscience Education Center	Transfer \$813,114 in project balance	©22
Germantown Observation Drive	Same as Approved CIP	©35
<b>Rockville Campus</b>		
Computer Science Alterations	Transfer \$267,000 in project balance	©30
Macklin Tower Alterations	Same as Approved CIP	©42
Rockville Parking Garage	Same as Approved CIP	©49
Science East Building Renovation	Same as Approved CIP	©53
Science West Building Renovation	Transfer \$3,146,446 in project balance	©54

**REVISED: Non-Recommended Reductions in Future Funding Requests**

**Funding to Add Back to FY23 and FY24**

Project	Fiscal Year	Amount	Impact	
Planning, Design and Construction	FY23	140,000	The baseline of this project needs to be increased. This project funds 16 facilities positions.	<b>FY23 Total 445,000</b>
Roof Replacement	FY23	250,000	This project has had 3 years of skip years due to county affordability.	
Collegewide Library Renovations (R-Cons,& Furniture-partial)	FY23	55,000	Partial add back	
Planning, Design and Construction	FY24	140,000	The baseline of this project needs to be increased. This project funds 16 facilities positions.	<b>FY24 Total 5,095,000</b>
Collegewide Library Renovations (G-Design, Cons,& Furniture)	FY24	3,690,000	The College has changed the schedule, and reduced costs for this project.	
Collegewide Library Renovations (R-Cons,& Furniture-partial)	FY24	1,015,000	Expenditure schedule/full amount appropriated in FY23	
Roof Replacement	FY24	250,000	This project has had 3 years of skip years due to county affordability.	
Total		5,540,000		

**Non-Recommended Reductions in Future Funding Requests:**

The below listing is in order of funding to be restored if funding available

Project	Fiscal Year	Amount	Impact	Priority	Cumulative Cost
Planning, Design and Construction	FY21	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	1	(140,000)
Planning, Design and Construction	FY22	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	2	(280,000)
Collegewide Library Renovations (TPSS - Cons., & Furniture)	FY21	(4,500,000)	The College has changed the schedule, and reduced costs for this project.	3	(4,780,000)
Roof Replacement	FY20	(250,000)	This project has had 3 years of skip years due to county affordability. Additional funding needed.	4	(5,030,000)
Roof Replacement	FY21	(250,000)	This project has had 3 years of skip years due to county affordability. Additional funding needed.	5	(5,280,000)
Roof Replacement	FY22	(250,000)	This project has had 3 years of skip years due to county affordability.	6	(5,530,000)
Collegewide Library Renovations (R-Design)	FY22	(835,000)	The College has changed the schedule, and reduced costs for this project.	7	(6,365,000)
Collegewide Library Renovations (R-Cons,& Furniture)	FY23	(8,775,000)	The College has changed the schedule, and reduced costs for this project.	8	(15,140,000)
Total		(15,140,000)			

**Recommended Reductions**

The College will forgo escalation on the below:

Rockville Student Services Center escalation	FY19	(2,016,000)	State Share - \$1,008,000, and County Share \$1,008,000; CE Recommended \$322,000 reduction, additional reduction of \$1,694,000 (\$847,000 County, and \$847,000 State)
TPSS Math Science Center Construction	FY20	(480,000)	State Share - \$240,000, and County Share - \$240,000
TPSS Math Science Center Construction	FY21	(960,000)	State Share - \$480,000, and County Share - \$480,000
TPSS Math Science Center Construction	FY22	(1,200,000)	State Share - \$600,000, and County Share - \$600,000
G Student Services Center Design	FY22	(160,000)	State Share - \$80,000, and County Share - \$80,000
G Student Services Center Design	FY23	(160,000)	State Share - \$80,000, and County Share - \$80,000
Total		(4,976,000)	

**Grand Total: Non-Recommended Reductions and Recommended Reductions (20,116,000)**





March 14, 2018

The Honorable Craig Rice  
Montgomery County Council  
Stella B. Werner Office Building  
100 Maryland Avenue  
Rockville, Maryland 20850

**Re: FY19-24 Capital Improvement Program Non-Recommended Reductions,  
Unencumbered Project Balances, Collegewide Library Renovations, and Takoma  
Park/Silver Spring Math and Science building Update**

Dear Councilmember Rice:

Thank you for your continued support of Montgomery College and high quality facilities which advance learning for the 21st century across all three campuses. We know you face difficult fiscal challenges and trust you will make the best possible decisions on behalf of our students and all the residents of the County.

This letter is in response to the Education Committee's request to develop a non-recommended reduction scenario for the FY19-FY24 Capital Improvements Program (CIP), review unencumbered project balances, and to consider revisions to the costs for the collegewide library renovations. Also included in this correspondence is an update on the Takoma Park/Silver Spring Math and Science building.

**Unencumbered Project Balances**

The College reviewed project balances to determine if there are available balances that could be used to fund the College's request. The College found that three projects are ready for close out. There is available funding of approximately \$4.2 million in County general obligation bonds. These three projects include the Rockville Science West Building renovation project, the Rockville Computer Science alterations project, and the Germantown Bioscience Education Center project. The attached chart (see attachment 1) includes the details of the remaining project balances, and projects to fund with these remaining balances.

**Non-Recommended Reductions**

In addition, the College has prepared a list of non-recommended reductions in future funding

years. Per the Council's request, (see attachment 2) the College has prioritized the projects in order of funding to restore, if County funding becomes available. The College has found additional savings through forgoing escalation of approximately \$3.3 million for State aided projects, and a State reduction in the Rockville Student Services Center project of \$1.6 million (50/50 split between County and State).

#### **Collegewide Library Renovations Project –Schedule, and Adjusted Costs**

---

The College reviewed the costs and schedule for the Collegewide Library Renovations Project per the council's request. As a result, *we have reduced the cost of the project by \$2 million.*

By removing high-density shelving in the Germantown renovation, and reductions to the planning, and furniture and equipment costs based on additional cost saving measures. The overall cost of the project is now \$19,270,000, which is a reduction of \$2.06 million from the original College request of \$21,330,000 expended over four years.

Additionally, the sequence of the renovations could also be revised based on the fiscal capacity challenges in a particular year. It is our hope the project can begin design in FY20 as requested and be completed, ideally, in FY23 as requested but no later than FY24—within the six years of the CIP—instead of FY26 as proposed by the executive branch.

The College continues to request that the collegewide library renovation project be County funded. This use of County funds aligns with the Council's policy regarding strategic use of County funds to move College projects forward and maximize State funding. Submitting this project for State funding would delay the project by at least a year. To be eligible for consideration in the Maryland Higher Education Commission's Community College Facilities Grant Program, Part I and Part II documents must be completed and submitted to the following State agencies: Department of Budget and Management, Higher Education Commission, Planning Department, and Department of General Services. Additionally, revisions to Facilities Master Plan, after approval by the Board of Trustees, would have to be submitted to the Maryland Higher Education Commission. As a result, FY21 would be the earliest this project could be included in the State's capital program—after competing for the limited funds available for the community colleges—and would require incurring additional costs—approximately \$100,000 to complete the required extensive and detailed documentation.

It is important to note that rather than building replacement library buildings, as envisioned in our 2013-2023 Facilities Master Plan at a cost of \$140 million, the College chose instead to pursue a renovation strategy to improve our library facilities in recognition of the fiscal constraints of the County. Renovations would necessitate County support of just over \$19 million. Alternatively, a replacement strategy would likely necessitate support from the County

of its 50 percent—\$70 million—share of three large replacement projects. Our librarians and students after much study and deliberation also recognized the value of the renovation strategy—a good library today is better than an ideal library at some uncertain point in the future. These outdated libraries require urgent attention.

#### **Takoma Park/Silver Spring Math and Science building Update**

At the February meeting, the Board of Trustees approved a contract for the integrated design firm (architect and engineering firm), SmithGroupJJR to design the replacement math and science building on the Takoma Park/Silver Spring Campus of Montgomery College.

With the experience and talent that this design team brings to this project, we are confident that our math and science building will meet the academic needs of our students and compliment the character of the community.

SmithGroupJJR successfully designed the Cultural Arts Center on the Takoma Park/Silver Spring Campus and the Holy Cross Germantown Hospital located on the College's Germantown Campus. Most importantly, they also have experience working on historic properties located in a residential neighborhood—a key requirement of the College for any successful firm—having designed American University's Washington College of Law.

Given the College's continued commitment to community engagement, SmithGroupJJR has retained LINK Strategic Partners, a strategic communications and stakeholder engagement firm, to help lead the charrette process and ensure a robust and productive exchange of ideas from stakeholders as the design takes shape. The charrette process will be an intensive planning activity—an iterative design process—where neighborhood residents, designers, and other stakeholders will collaborate on a vision for design of the building—helping the College to balance the needs of our neighbors, our students and fiscal prudence.

The design phase will begin in the spring with the charrette process. SmithGroupJJR and Link Strategic Partners understand our deep commitment to community engagement and stakeholder participation. They have been provided access to all the Community Conversation materials along with the design and construction mitigation directives issued by Dr. Pollard in her September 29 letter. Once the schematic design is completed—a design that has been vetted through the charrette process—it will be submitted to the Montgomery County Planning Board for review likely eight to ten months after the SmithGroupJJR contract is approved by the State and executed, likely in April. As you know, this Planning Board process will provide for additional community input. Subsequently, the College will seek input as we complete the design details and set the construction timeline and mitigation strategies. The College anticipates construction of the new math and science building to start in December 2019, and expect it to be fully operational and open for classes in the fall semester of 2022.

Again, thank you for your continued support of the College, our mission, and our students.

We know you value the College and the importance of high quality learning environments to help ensure every resident can fully reap the benefits of a postsecondary education and fuel a 21st century economy.

Sincerely,

*Nadine Porter for Janet Wormack*

Janet Wormack, EdD  
Senior Vice President for Administrative  
and Fiscal Services

Enclosure

## ATTACHMENT 1

**Remaining Project Balances**

Project	County Share	State Share	Total Balance Remaining
R-Science West Building	\$ 3,146,446	\$ 2,752,445	\$ 5,898,891
R-Computer Science Alt.	191,000	-	\$ 191,000
G-Bioscience Education Center	813,114	813,114	\$ 1,626,228
<b>Total</b>	<b>\$ 4,150,560</b>	<b>\$ 3,565,559</b>	<b>\$ 7,716,119</b>

**Remaining project Balances to Fund the below projects:**

Project	Fiscal Year	Amount	Impact
Elevator Modernization	FY19	\$ (707,000)	This project will fund an additional elevator at the Germantown High Technology building. Currently, only one elevator serving 4 floors. This elevator provides accessibility. Bring Total appropriation to \$907,000.
Roof Replacement	FY19	(1,750,000)	The roofing survey was not complete at the time of the College's request, and the additional funding is needed for the Rockville Physical Education Building roof replacement. Bring total appropriation to \$2 million.
Collegewide Library Renovations	FY20	(400,000)	The College has changed the schedule, and adjusted costs for this project. This request is to fund the design of the TPSS Library.
Planning, Design and Construction	FY19, FY20	(280,000)	The baseline of this project needs to be increased. Otherwise, in FY20 there will be a deficit in this project. This project funds 16 facilities positions. (FY19 - \$140,000, and FY20 -140,000)
Planned Lifecycle Asset Replacement	FY19	(1,861,000)	If financial resources not directed at deferred maintenance then facilities will continue to deteriorate leading to higher cost renovations or building replacements.
		<b>\$ (4,998,000)</b>	

**Summary**

Remaining Project Balances, and FY19 Recommended Reduction	\$ 4,150,560
Less: FY19 Project Requests	(4,998,000)
<b>Difference (amount additional to fund) <sup>1</sup></b>	<b>\$ (847,440)</b>

<sup>1</sup> Matches additional reduction in R-Student Services Center funding included in recommended reductions section.

ATTACHMENT 2

**Non-Recommended Reductions in Future Funding Requests**

The below listing is in order of funding to be restored if funding available:					
Project	Fiscal Year	Amount	Impact	Priority	Cumulative Cost
Planning, Design and Construction	FY21	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	1	(140,000)
Planning, Design and Construction	FY22	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	2	(280,000)
Planning, Design and Construction	FY23	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	3	(420,000)
Planning, Design and Construction	FY24	(140,000)	The baseline of this project needs to be increased. This project funds 16 facilities positions. Split 50/50 between GO Bonds (\$70,000), and Current Revenue (\$70,000).	4	(560,000)
Collegewide Library Renovations (TPSS - Cons., & Furniture)	FY21	(4,500,000)	The College has changed the schedule, and reduced costs for this project.	5	(5,060,000)
Roof Replacement	FY20	(250,000)	This project has had 3 years of skip years due to county affordability. Additional funding needed.	6	(5,310,000)
Roof Replacement	FY21	(250,000)	This project has had 3 years of skip years due to county affordability. Additional funding needed.	7	(5,560,000)
Roof Replacement	FY22	(250,000)	This project has had 3 years of skip years due to county affordability.	8	(5,810,000)
Collegewide Library Renovations (R-Design)	FY22	(890,000)	The College has changed the schedule, and reduced costs for this project.	9	(6,700,000)
Roof Replacement	FY23	(250,000)	This project has had 3 years of skip years due to county affordability.	10	(6,950,000)
Collegewide Library Renovations (R-Cons,& Furniture)	FY23	(9,790,000)	The College has changed the schedule, and reduced costs for this project.	11	(16,740,000)
Collegewide Library Renovations (G-Design, Cons,& Furniture)	FY24	(3,690,000)	The College has changed the schedule, and reduced costs for this project.	12	(20,430,000)
Roof Replacement	FY24	(250,000)	This project has had 3 years of skip years due to county affordability.	13	(20,680,000)
		(20,680,000.00)			

**Recommended Reduction**

The College will forgo escalation on the below:

Rockville Student Services Center escalation	FY19	(2,016,000)	State Share - \$1,008,000, and County Share \$1,008,000; CE Recommended \$322,000 reduction, additional reduction of \$1,694,000 (\$847,000 County, and \$847,000 State)
TPSS Math Science Center Construction	FY20	(480,000)	State Share - \$240,000, and County Share - \$240,000
TPSS Math Science Center Construction	FY21	(960,000)	State Share - \$480,000, and County Share - \$480,000
TPSS Math Science Center Construction	FY22	(1,200,000)	State Share - \$600,000, and County Share - \$600,000
G Student Services Center Design	FY22	(160,000)	State Share - \$80,000, and County Share - \$80,000
G Student Services Center Design	FY23	(160,000)	State Share - \$80,000, and County Share - \$80,000
		(4,976,000.00)	

Grand Total (25,656,000.00)



OFFICE OF THE PRESIDENT

November 14, 2017

The Honorable Isiah Leggett  
Montgomery County Executive  
Executive Office Building  
101 Monroe Street  
Rockville, Maryland 20850  
and

The Honorable Roger Berliner, President  
Montgomery County Council  
Stella B. Werner Office Building  
100 Maryland Avenue  
Rockville, Maryland 20850

**Re: FY19 Capital Budget Request as Part of the FY19–24 Capital Improvements Program**

Dear Mr. Leggett and Mr. Berliner:

We respectfully transmit for your consideration the Montgomery College FY19 capital budget request as part of the FY19–24 capital improvements program. Specifically, our request totals \$38,152,000 for 28 projects on the three campuses of the College for the upcoming fiscal year.

Among the FY19 projects is a furniture and equipment request for the Rockville Student Services Center project, which includes a three and a half percent increase for state allowed cost escalation. The planning, design, and construction project includes a request for funds to provide salary enhancements at the level approved in the FY18 operating budget. In addition, the College requests a new project for FY20 to renovate the libraries on the three campuses, which are outdated, insufficient employees work spaces, and inadequate to support our students.

I know you value the College and the importance of high quality learning environments to help ensure every resident can fully reap the benefits of a postsecondary education and fuel a 21st century economy.

Again, thank you for your continued support of the College, our mission, and our students.

Sincerely,

DeRionne P. Pollard, PhD  
President

Enclosure

8

# FY19 Capital Budget Request

First year of the FY19 to FY20 Biennial Capital Budget  
as part of FY19 - FY24 CIP (in \$000s)

	FY18 Adopted	FY19 Request	FY20 Request
<b>Collegewide -- General</b>			
ADA Compliance	\$ 50	\$ 50	\$ 50
Capital Renewal	1,000	2,000	2,000
Collegewide Library Renovations	-	-	890
Collegewide Road/Parking Lot Repairs and Replacements	500	500	500
Collegewide Physical Education Renovations	2,300	1,500	-
Elevator Modernization	-	1,000	200
Energy Conservation	125	125	125
Facility Planning	270	270	270
Instructional Furniture & Equipment	270	270	270
Planned Life-Cycle Asset Replacement	4,961	4,000	4,000
Planning, Design & Construction	1,656	1,796	1,796
Roof Replacement	-	750	500
Site Improvements	405	700	700
<b>Total Collegewide -- General</b>	<b>\$ 11,537</b>	<b>\$ 12,961</b>	<b>\$ 11,301</b>

	FY18 Adopted	FY19 Request	FY20 Request
<b>Collegewide -- Information Technology</b>			
Information Technology	8,500	8,500	8,500
Network Infrastructure and Server Operations	1,800	3,800	3,800
Network Operating Center/Datacenter	2,000	-	-
Student Learning Support Systems	1,400	1,400	1,400
<b>Total Collegewide -- Information Technology</b>	<b>\$ 13,700</b>	<b>\$ 13,700</b>	<b>\$ 13,700</b>

	FY18 Adopted	FY19 Request	FY20 Request
<b>Germantown Campus Projects</b>			
Germantown Bioscience Education Ctr	-	-	-
Germantown Observation Dr. Reconstruction	-	-	-
Germantown SA Building Renovation and Add. Phase 1	5,316	267	-
Germantown Student Services Center	-	-	-
<b>Total Germantown</b>	<b>\$ 5,316</b>	<b>\$ 267</b>	<b>\$ -</b>

	FY18 Adopted	FY19 Request	FY20 Request
<b>Rockville Campus Projects</b>			
Computer Science Alterations	-	(267)	-
Macklin Tower Alterations	-	-	-
Rockville Parking Garage	-	-	-
Rockville Student Services Center	-	11,491	-
Science East Renovation	-	-	-
Science West Renovation	-	-	-
<b>Total Rockville</b>	<b>\$ -</b>	<b>\$ 11,224</b>	<b>\$ -</b>

	FY18 Adopted	FY19 Request	FY20 Request
<b>Takoma Park/Silver Spring Campus Projects</b>			
TP/SS Math & Science Center	10,276	-	70,900
<b>Total Takoma Park/Silver Spring</b>	<b>\$ 10,276</b>	<b>\$ -</b>	<b>\$ 70,900</b>

<b>Grand Total</b>	<b>\$ 40,829</b>	<b>\$ 38,152</b>	<b>\$ 95,901</b>
--------------------	------------------	------------------	------------------

<sup>1</sup> The network infrastructure support systems project name has changed.

<sup>2</sup> The network operating center project is merged to the network infrastructure and server operations project. rev 100417ks



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

## Montgomery College Higher Education

Project Number	Project Name	Total	Thru FY17	Est FY18	6 Year Total	FY19	FY20	FY21	FY22	FY23	FY24	Beyond 6 Yrs	FY19 Approp	FY20 Approp
P036660	ADA Compliance: College	1,703	1,249	154	300	50	50	50	50	50	50	0	50	50
P056603	Bioscience Education Center	93,140	91,495	1,445	200	100	100	0	0	0	0	0	0	0
P096600	Capital Renewal: College	26,888	11,382	3,506	12,000	2,000	2,000	2,000	2,000	2,000	2,000	0	2,000	2,000
P661901	Collegewide Library Renovations	21,330	0	0	21,330	0	890	10,180	4,960	5,290	0	0	0	890
P661802	Collegewide Physical Education Renovations	8,000	4,170	2,330	1,500	1,500	0	0	0	0	0	0	1,500	0
P661801	Collegewide Road/Parking Lot Repairs and Replacements	1,500	0	500	1,000	500	500	0	0	0	0	0	500	500
P046602	Computer Science Alterations*	892	777	382	-267	-267	0	0	0	0	0	0	-267	0
P056608	Elevator Modernization: College	5,974	3,481	493	2,000	1,000	200	200	200	200	200	0	1,000	200
P816611	Energy Conservation: College	5,718	4,843	125	750	125	125	125	125	125	125	0	125	125
P886686	Facility Planning: College	7,397	5,094	683	1,620	270	270	270	270	270	270	0	270	270
P096604	Germantown Observation Drive Reconstruction	1,000	810	140	50	50	0	0	0	0	0	0	0	0
P136600	Germantown Science & Applied Studies Phase 1-Renov	40,952	34,827	5,658	467	367	100	0	0	0	0	0	267	0
P076612	Germantown Student Services Center	61,498	0	0	56,768	0	0	0	6,212	3,262	47,294	4,730	0	0
P856609	Information Technology: College	178,947	115,876	12,071	51,000	8,500	8,500	8,500	8,500	8,500	8,500	0	8,500	8,500
P096601	Instructional Furniture and Equipment: College	4,260	2,209	431	1,620	270	270	270	270	270	270	0	270	270
P036603	Macklin Tower Alterations	10,604	5,164	3,440	2,000	2,000	0	0	0	0	0	0	0	0
P076619	Network Infrastructure and Support Systems	39,717	14,019	2,898	22,800	3,800	3,800	3,800	3,800	3,800	3,800	0	3,800	3,800
P076618	Network Operating Center/Datacenter	26,554	24,213	2,341	0	0	0	0	0	0	0	0	0	0
P926659	Planned Lifecycle Asset Replacement: College	76,033	45,816	6,217	24,000	4,000	4,000	4,000	4,000	4,000	4,000	0	4,000	4,000
P906605	Planning, Design & Construction	38,930	26,498	1,656	10,776	1,796	1,796	1,796	1,796	1,796	1,796	0	1,796	1,796
P136601	Rockville Parking Garage	31,347	29,800	1,547	200	100	100	0	0	0	0	0	0	0
P076604	Rockville Student Services Center	75,576	6,825	57,260	11,491	11,491	0	0	0	0	0	0	11,491	0
P876664	Roof Replacement: College	12,491	8,065	1,176	3,250	750	500	500	500	500	500	0	750	500
P076623	Science East Building Renovation *	29,095	27,907	1,188	0	0	0	0	0	0	0	0	0	0
P076622	Science West Building Renovation	35,346	29,700	5,446	200	100	100	0	0	0	0	0	0	0
P076601	Site Improvements: College	20,834	16,211	423	4,200	700	700	700	700	700	700	0	700	700
P076617	Student Learning Support Systems	21,620	11,365	1,855	8,400	1,400	1,400	1,400	1,400	1,400	1,400	0	1,400	1,400
P076607	Takoma Park/Silver Spring Math & Science Center	86,266	0	1,500	86,766	4,582	13,188	28,464	40,532	0	0	0	0	70,900
Grand Total:		965,612	521,596	114,865	324,421	45,184	38,589	62,265	75,315	32,163	70,905	4,730	38,152	95,901

\* Closeout or Pending Closeout Projects

230\_ExpenditureDetails.rpt

Dept Submission

FY19

9/29/2017 3:30:53PM

Page -1 of 1

Montgomery College  
Higher Education

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

Funding Source	6 Year										Beyond 6 Yrs
	Total	Thru FY17	Est FY18	Total	FY19	FY20	FY21	FY22	FY23	FY24	
Current Revenue: General	227,576	115,529	21,123	90,924	15,154	15,154	15,154	15,154	15,154	15,154	0
Current Revenue: Major Facilities (College)	8,000	4,170	2,330	1,500	1,500	0	0	0	0	0	0
Current Revenue: Transportation Facilities (College)	1,500	0	500	1,000	500	500	0	0	0	0	0
Federal Aid	49	49	0	0	0	0	0	0	0	0	0
G.O. Bonds	437,124	227,454	53,332	153,973	20,732	16,091	32,879	36,789	15,378	32,104	2,365
PAYGO	2,732	2,732	0	0	0	0	0	0	0	0	0
Recordation Tax (MCPS)	70,991	70,991	0	0	0	0	0	0	0	0	0
Revenue Authority	14,234	13,200	834	200	100	100	0	0	0	0	0
State Aid	203,406	87,471	36,746	76,824	7,198	6,744	14,232	23,372	1,631	23,647	2,365
<b>Grand Total:</b>	<b>965,612</b>	<b>521,596</b>	<b>114,865</b>	<b>324,421</b>	<b>45,184</b>	<b>38,589</b>	<b>62,265</b>	<b>75,315</b>	<b>32,163</b>	<b>70,905</b>	<b>4,730</b>

\* Closeout or Pending Closeout Projects

250\_CatSubcatFundingSummary.rpt

Dept Submission

FY19

9/2/2017 9:44:31AM

Page -1 of 1



# Montgomery College

## AGENCY DESCRIPTION

Montgomery Community College provides postsecondary educational programs from campuses located in Takoma Park/Silver Spring, Rockville, and Germantown. It serves four broad groups of students:

- Those who want the first two years of a university education, either for an associate's degree or preparatory to another program;
- Those who want to prepare for a career not requiring a bachelor's degree;
- Highly capable high school juniors and seniors who participate in special programs; and
- Adults who want to continue their education, either to improve job skills or for personal enrichment.

The major sources of funding for Montgomery College are County support, State aid, tuition and fees, auxiliary enterprises, and continuing education. The College is chartered by the State of Maryland and functions as a part of the Maryland State community college system. Montgomery College has a policy of open admissions, which means that any person with the equivalent of a high school diploma, or the age of 18 or over, who can benefit from the programs and services of the College, is admitted as a student.

The development and administration of the educational programs and facilities of Montgomery Community College are directed by its President and overseen by the Board of Trustees.

## PROGRAM DESCRIPTION AND OBJECTIVES

The Montgomery College FY19-24 CIP request consists of 25 active projects. The section following this narrative shows only the project description forms (PDFs) for which the Executive recommends changes to the College request. Those PDFs are preceded by project briefs that provide a description of the change and the Executive's rationale. The complete set of PDFs submitted by the College can be found on its web site at [www.montgomerycollege.edu/Departments/budget/index.html](http://www.montgomerycollege.edu/Departments/budget/index.html)

## PROGRAM CONTACTS

Contact Kristina Schramm of Montgomery College at 240.567.4265 or Richard H. Harris of the Office of Management and Budget at 240.777.2795 for more information about this agency's capital budget.

## CAPITAL PROGRAM REVIEW

### Montgomery College Request

The College's FY19-24 capital program request totals \$324.4 million, a \$7.2 million or 2 percent decrease from the amended FY17-22 capital program of \$331.7 million. The College's plan for County funds, State funds, and Current Revenue includes constructing new buildings, renovating existing facilities, improving physical infrastructure, and maintaining the information technology network.

Changes from the previously approved CIP include:

- A new \$21.3 million project to renovate the College's Rockville, Takoma Park/Silver Spring, and Germantown libraries. Design would start in FY20 and the last library renovation would be completed in FY23;
- matching funds for state-allowed escalation where eligible (\$5.0 million);
- increases to three Level of Effort projects (\$4.8 million); and

- an increase to the Collegewide Physical Education Renovations project (\$1.5 million).

## Executive Recommendations

The Executive recommends a total FY19-24 six-year CIP of \$281.2 million. This includes an increase of \$4.9 million in the first four years of the CIP, despite diminished County resources. In addition, \$83.5 million in new funding has been added in FY23 and FY24. The recommended level of funding reflects the completion or substantial completion for several large projects such as the Germantown Bioscience Education Center (\$93.1 million), the Germantown Science and Applied Studies Renovation (\$41.1 million), and Rockville Science West (\$35.3 million) and Rockville Science East (\$29.1 million) that have occurred in recent years, and also reflects FY18 Current Revenue: General savings plan reductions. Other significant changes from the the FY17-22 Amended CIP include:

- Construction of the Germantown Student Services Center entering the six-year period.
- Addition of the new Collegewide Libraries Renovation project. The County Executive has assumed the project will begin in FY23 to allow time to secure State support and to address affordability constraints.
- Construction funding for the Rockville Student Services construction is primarily budgeted prior to FY19.
- Other affordability adjustments which have been made to address reductions in G.O. Bonds and to maximize other capital budget resources. Unused fiscal capacity in the College's existing projects can help fund requested increases that the Executive has not been able to include in his recommended CIP.

## HIGHLIGHTS

- Continue to address space deficits on the College's Rockville campus by funding final construction and equipment purchases for the new Rockville Student Services project, which will provide up-to-date centralized facilities and leverage significant State funding.
- Improve campus libraries with design and renovations scheduled to start in FY23.
- Continue design of the Takoma Park/Silver Spring Math & Science Center, with construction programmed in FY20.
- Improve campus athletic facilities through the Collegewide Physical Education Renovations project.
- Complete the Germantown Science & Applied Studies Phase 1 Renovation project (completion in Winter 2019).
- Sustain College infrastructure projects such as Elevator Modernization, Planned Lifecycle Asset Replacement, Roof Replacement, and Site Improvements to improve facilities and safety on all three campuses.
- Assume \$68.7 million in State aid, with \$7.2 million in FY19.

## PROGRAM EXPENDITURES

The Executive's focus on educational excellence is evident by the Executive's recommended continued funding for Montgomery College. Since the College's full request is not affordable without jeopardizing other important priorities, priority has been given to projects that add classroom and laboratory space, leverage State Aid, provide critical student support services, and maintain core infrastructure. Full or partial funding has been provided for all 25 active projects requested by the College. The project receiving the biggest increase in funding is the Germantown Student Services Center due to construction entering the six-year period. The new Collegewide Libraries Renovation project also adds \$11.8 million to the six-year period. The total cost of the Collegewide Libraries Renovation project is \$21.3 million. The Executive sustains funding of infrastructure projects, such as ADA Compliance, Elevator Modernization, Capital Renewal: College, Energy Conservation: College, and Planned Lifecycle Asset Replacement: College.

## PROGRAM FUNDING

The College finances its six year CIP using resources from five sources.

### County General Obligation Bonds

The Executive's recommendation provides approximately \$119.3 million of general obligation bonds for the College's capital program.

---

## County Current Revenue

The recommended CIP includes approximately \$90.5 million in current revenue funding to support various College infrastructure projects, roughly equal to the FY17-22 amended capital program. The recommended CIP also reflects FY18 savings plan reductions.

### State Aid

The Executive's recommended CIP for the College includes State Aid of \$68.7 million for FY19-24, or approximately 24.4 percent of total program costs. The State of Maryland provides funding for the construction and renovation of State community colleges. The Annotated Code of Maryland says that a proposed capital project with a useful life of 15 years or more will be considered for funding, but projects that are primarily maintenance and repair will not be financed. However, a renovation project such as a roof repair that exceeds \$100,000 may be considered for State funding.

The State's Capital Improvement Program has programmed the Community College facilities Grant Program at \$60.0 million each year through FY20, then \$80.0 million thereafter. The Executive urges the College to continue pursuing State funding for all projects that meet the guidelines for funding from the Maryland Higher Education Commission. Historically, Montgomery College has received annually between 10% and 25% of available resources in the statewide grant.

### Major Facilities Capital Projects Fund

The Executive's recommended CIP programs \$1.5 million in funding from the Major Facilities Capital Projects Fund (MFCPPF). The student-fee derived fund is typically used for additions and renovations to non-administrative buildings, property, and debt service, spending that does not typically compete well for State funds. This allows the College to focus requests for State Aid on larger academic projects, like the Rockville Student Services project.

### Transportation Fund

The CE's recommended FY19-24 CIP includes \$1.0 million from the College's Transportation fund, a student-fee derived fund that is used for improvements to roads, sidewalks, and signage.

## ENROLLMENT

The total number of full-time equivalent students (30 credit load hours of instruction per year) enrolled in College credit programs in FY17 was 19,744. This figure is projected to increase modestly through FY24 to 20,459. Enrollments have fallen in recent years, and the college projects continued declines through FY20, and modest growth thereafter. Multiple factors affect enrollment projections, including:

- the number of graduates and the College's "draw rate" of Montgomery County Public Schools' high school graduates, which is roughly 25 percent;
- distance education enrollments;
- partnership with the Universities at Shady Grove and the growth of new degree programs;
- a change in the start date of Winter Term classes; and
- innovative class scheduling in both distance learning and on campus, "Completion Agenda Initiatives," and facility expansion and renovations, as well as parking enhancements that allow increased student capacity.

For details regarding enrollment estimates and assumptions, please refer to the "Enrollment Projections" chapter of the College's annual operating budget.

## OPERATING BUDGET IMPACT

The enrollment forecast affects the College's operating budget because additional resources are required to maintain and operate any new facilities that are constructed or acquired. The College also would require funds to hire new faculty and staff to meet anticipated

---

demand for courses and support services. The College does not display expected operating budget needs on the PDFs, but ultimately, the operating budget requests of the college will be considered in the context of the operating budget requests of all agencies.



### **STATUTORY AUTHORITY**

Title 16, Section 402, Annotated Code of Maryland, gives the County Council the power to make appropriations for capital projects of the College. Projects are financed under terms and conditions approved by the Council. In accordance with State law and the Montgomery County Charter, the College prepares an annual capital budget and capital improvements program.

**FY 19-24 Full CIP**  
**Agency 6-Year Request Compared to Executive Recommended**  
**Montgomery College**

Project Name (Project Number)	Agency Request	Executive Recommended
<b>Higher Education</b>		
ADA Compliance: College (P936660)	300	300
Bioscience Education Center (P056603)	200	200
Capital Renewal: College (P096600)	12,000	12,000
College Affordability Reconciliation (P661401)	-	(32,979)
Collegewide Library Renovations (P661901)	21,330	11,080
Collegewide Physical Education Renovations (P661602)	1,500	1,500
Collegewide Road/Parking Lot Repairs and Replacements (P661801)	1,000	1,000
Computer Science Alterations (P046602)	(267)	(267)
Elevator Modernization: College (P056608)	2,000	2,000
Energy Conservation: College (P816611)	750	750
Facility Planning: College (P886686)	1,620	1,620
Germantown Observation Drive Reconstruction (P096604)	50	50
Germantown Science & Applied Studies Phase 1-Renov (P136600)	467	467
Germantown Student Services Center (P076612)	56,768	56,768
Information Technology: College (P856509)	51,000	51,000
Instructional Furniture and Equipment: College (P096601)	1,620	1,620
Macklin Tower Alterations (P036603)	2,000	2,000
Network Infrastructure and Support Systems (P076619)	22,800	22,800
Network Operating Center/Datacenter (P076618)	-	-
Planned Lifecycle Asset Replacement: College (P926659)	24,000	24,000
Planning, Design & Construction (P906605)	10,776	10,776
Rockville Parking Garage (P136601)	200	200
Rockville Student Services Center (P076604)	11,491	11,491
Roof Replacement: College (P876664)	3,250	3,250
Science West Building Renovation (P076622)	200	200
Site Improvements: College (P076601)	4,200	4,200
Student Learning Support Systems (P076617)	8,400	8,400
Takoma Park/Silver Spring Math & Science Center (P076607)	86,766	86,766

## Supplementary Information Regarding State Funding for College Capital Projects

---

**It is vital to begin the library renovation project in FY20 and complete it no later than FY24—a year later than requested.**

- The need for the library project is urgent and real.
- The librarians have spent several years reimagining their role and the existing space within the confines of student success in the 21st century.
- The facilities are seriously out-of-date and aged—this is well documented in the College’s deferred maintenance analysis.
- The librarians agree a renovated space in the immediate future—in lieu of new buildings in the distant future—makes the most sense for our students.

**Seeking State aid to begin the project would likely delay the project start date to FY21.**

- The State aid process is complex and time consuming.
- The pipeline for funding is clogged by pre-authorizations leaving little room for new projects.
- It is unclear how each renovation would compete in the prioritization process.

**Seeking State aid for large projects (in size and costs) pending in the College’s Facilities Master Plan would best leverage County funds.**

- The College delayed advancing these projects in recognition of the fiscal pressures facing the County (see the list below).
- The College will likely advance one or more projects for FY21.
- Funding smaller projects with solely County general obligations bonds has been the past practice of the Council to ensure that the College best leverages county support to maximize State aid. This practice still makes sense.
- The competition for State Aid is complicated and fierce. *As a result, it is important to expend time and resources to succeed in that process with the larger, more expensive projects.*

**The Rockville library is located in the Macklin Tower which has been renovated in phases with County funding only.**

### Overview of Available of State Funds

---

According to the “Analysis of the FY 2019 Maryland Executive Budget, 2018” prepared by Department of Legislative Services (DLS) for the Maryland General Assembly, there is a lack of State funding for new projects due to preauthorizations, and the funding of bigger projects. Below is an excerpt from this document:

“Pre-authorizations signal intent from the State that more funding is forthcoming to complete a project, which enable institutions to sign multi-year contracts with construction service vendors. *The pre-authorizations total approximately \$50.8 million, or 84.7%, of the \$60.0 million planned for fiscal 2020 in the 2018 CIP.* This leaves only \$9.2 million in unallocated funds for new projects or contingencies in fiscal

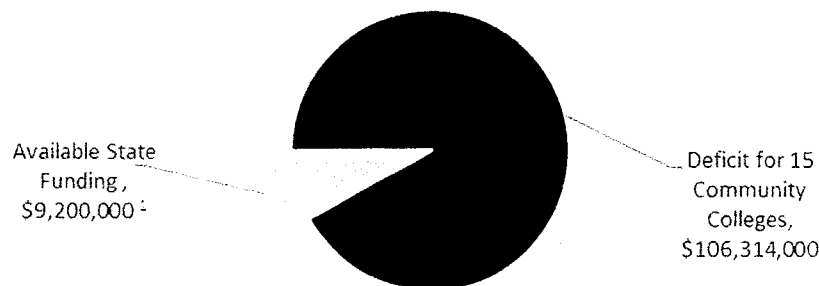


2020 based on current plans. **The projects funded in fiscal 2019 are estimated to receive approximately \$179.2 million in future State funding support.** This does not account for projects that received funding in prior years and for which additional funding may be expected in fiscal 2020 and beyond. While this can be spread out over several fiscal years based on project schedules, **it leaves little room to accommodate new projects, even at the General Assembly's requested \$80.0 million funding level.** The MACC model **will be pressed to determine the most effective use of the limited funding** after accounting for funds dedicated to projects through pre-authorizations. *Large capital projects, such as those recently seen at Montgomery College, Prince George's Community College (PGCC), and Anne Arundel Community College (AACC), will be under increasing scrutiny* with less GO bonds programmed in the five-year CIP than what was requested by the committees. It will be more difficult for the State to support such large facilities across all campuses."

The anticipated request for all community colleges total \$115.5 million with only \$9.2 million remaining to fund these projects.

### FY20 All Community Colleges State Aid Request

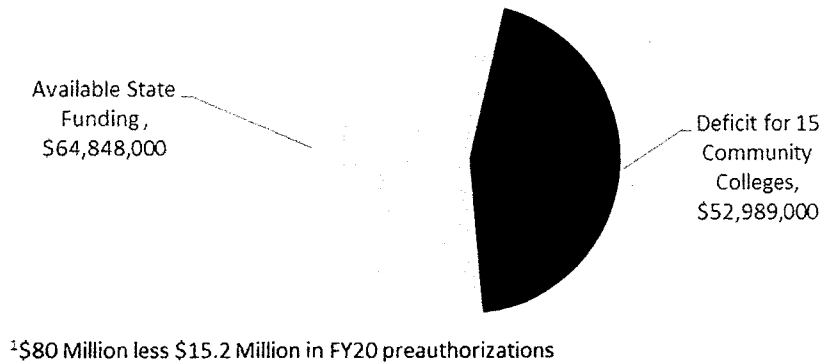
\$115,514,000



<sup>1</sup>\$60 Million less \$50.8 Million in FY19 preauthorizations

In addition, the FY21 State funding availability is reduced by \$15.2 million in preauthorizations, which leaves approximately \$64.8 million for new requests. The total community college requests for FY21 totals \$102.6 million, which leaves a deficit in funding of \$53 million.

FY21 All Community Colleges State Aid Request  
\$102,637,000



There are number of complexities and nuances in determining State aid availability. The College's strategy—endorsed by the Council—has been to seek funding for larger, more expensive projects rather than smaller less expensive projects. In prior years, the College has considered total requests of all community colleges in requesting an additional project. State aid has not kept pace with the needs of Maryland's 16 community colleges. Instead, the cap on capital dollars required the prioritization process to aid decision-makers. Even with the prioritization process, decision-makers split fund projects which now clog the funding pipeline as described by DLS. The State initially only split funded between two fiscal years, but now split funded projects can be spread over three fiscal years, which further reduces funding availability in future years for new project requests.

#### **State Required Documentation—Complex Review Process**

State funding requires the completion of Part I and Part II documents which must be submitted by May 1 of the calendar year funding is requested. For example, a FY20 capital request is due to the State by July 1, 2018, the submission of Part I /Part II is due by May 1, 2018.

The Maryland Higher Education Commission reviews the Part I documentation. It justifies the project through student and employee data projected over five years. The Part II document provides educational specifications to provide guidance to architects and engineers, the layout of space within the new building/renovation, an environmental assessment, and cost estimate. The Maryland Department of Budget and Management analyzes the Part II.

Completion of these documents for the library project would require the delay of the project to FY21 to complete the required documentation and successfully navigate the maze of the approval process.

## **Facilities Master Plan—Prerequisite for State Aid**

---

State aided projects must be included the Facilities Master Plan (FMP). So in addition to completing the Part I and Part II documents, the College would have to submit amendments to the FMP to the State in advance of a funding request. Again, resulting in a delay in the start of the project. Currently, the FMP envisions new buildings for each library on each campus, which totals \$140 million (\$70 million-County, and \$70 million- State). The downsized project, a library *renovations* project, totals just over \$19 million, which could be viewed as a County savings of \$51 million. The Board of Trustees would have to approve the amendment prior to submission to the State.

## **Projects pending in the Facilities Master Plan will need State aid.**

---

Below is a list of projects, in no particular order, that are enumerated in the FMP to respond to the College's space needs and address the state of aging facilities. The College chose not to seek funding for any of these projects in the current Capital Improvements Program given capital fiscal pressures particularly at the County level. However, as the College further deliberates its capital needs, funding for one or more these projects could be sought beginning in FY21.

These pending projects were a factor in our consideration to downsize the library projects as envisioned in the FMP—from three replacement projects of significant costs (\$140 million with a county share of \$70 million) into three small renovations projects (\$4.9, \$10.7 and \$3.4 million) that would minimize the impact on the County's capital budget and better leverage State aid for these more sizable projects pending in the FMP.

- Rockville Campus Center Renovation – total cost - \$34.4 million
- Germantown Science and Applied Studies Renovation – Phase 2 – total cost - \$25.6 million
- Germantown Humanities and Social Sciences Renovation - \$37.8 million
- Rockville Technical Center – total cost - \$46.7 million
- Humanities and Social Science Building - \$92.9 million
- Takoma Park/Silver Spring Health and Fitness Building - \$42.8 million

## **The Macklin Tower Alterations project is already funded solely by the County.**

---

This is a multi-year renovation project funded solely by County general obligation bonds. *The Rockville Library is located in this building.*



## ADA Compliance: College (P936660)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/25/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Construction	1,351	928	135	288	48	48	48	48	48	48	-
Site Improvements and Utilities	235	234	1	-	-	-	-	-	-	-	-
Planning, Design and Supervision	117	87	18	12	2	2	2	2	2	2	-
<b>TOTAL EXPENDITURES</b>	<b>1,703</b>	<b>1,249</b>	<b>154</b>	<b>300</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,703	1,249	154	300	50	50	50	50	50	50	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,703</b>	<b>1,249</b>	<b>154</b>	<b>300</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>-</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	50	Year First Appropriation	FY93
Appropriation FY 20 Request	50	Last FY's Cost Estimate	1,603
Cumulative Appropriation	1,403		
Expenditure / Encumbrances	1,249		
Unencumbered Balance	154		

### PROJECT 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 FY23 and FY24.

### PROJECT JUSTIFICATION

The ADA requirements mandate a comprehensive effort to provide accessible programs and barrier free facilities to disabled persons. The deadline for compliance with the requirement to make the College's programs accessible was January 26, 1995; however, the law allows for additional time to comply if available resources are limited for structural and building modifications. Based on the College's annual work program and 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 (2/16).

### OTHER

FY2019 Appropriation: \$50,000 (G.O. Bonds). FY2020 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.



## Bioscience Education Center (P056603)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/27/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Under Construction

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	8,039	7,959	80	-	-	-	-	-	-	-
Construction	74,221	74,161	60	-	-	-	-	-	-	-
Other	10,067	9,375	692	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>92,327</b>	<b>91,495</b>	<b>832</b>	-	-	-	-	-	-	-

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	50,553	50,544	9	-	-	-	-	-	-	-
State Aid	41,083	40,260	823	-	-	-	-	-	-	-
PAYGO	691	691	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>92,327</b>	<b>91,495</b>	<b>832</b>	-	-	-	-	-	-	-

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	(813)	Year First Appropriation	FY05
Appropriation FY 20 Request	-	Last FY's Cost Estimate	93,140
Cumulative Appropriation	93,140		
Expenditure / Encumbrances	91,499		
Unencumbered Balance	1,641		

## PROJECT 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

## COST CHANGE

Funds no longer needed in the project of \$813,000 in G.O. Bonds were transferred to Roof Replacement: College (#P876664)

## PROJECT JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Germantown Campus has resulted in a significant instructional space deficit. The Germantown Campus has a 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 (12/13), and the Bioscience Education Center Program Verification Report, (9/07).

## OTHER

FY19 appropriation: -\$813,000. Additional funding Sources: 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 transfers have been made from this project: \$700,000 in G.O. Bonds to the Planning, Design, and Construction project (#P906605) (BOT Resol. #16-04-051, 4/18/16); and \$813,000 in G.O. Bonds to the Roof Replacement: College project (#P876664).

## **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**

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 I Renovation (CIP No. P136600)



# Capital Renewal: College (P096600)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/25/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	21,563	9,392	1,971	10,200	1,700	1,700	1,700	1,700	1,700	1,700	-
Planning, Design and Supervision	4,246	1,240	1,206	1,800	300	300	300	300	300	300	-
Other	1,079	750	329	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>26,888</b>	<b>11,382</b>	<b>3,506</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	26,888	11,382	3,506	12,000	2,000	2,000	2,000	2,000	2,000	2,000	-
<b>TOTAL FUNDING SOURCES</b>	<b>26,888</b>	<b>11,382</b>	<b>3,506</b>	<b>12,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	2,000	Year First Appropriation	FY09
Appropriation FY 20 Request	2,000	Last FY's Cost Estimate	22,888
Cumulative Appropriation	14,888		
Expenditure / Encumbrances	11,382		
Unencumbered Balance	3,506		

## 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.

## COST CHANGE

Increase due to addition to FY23, and FY24.

## 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 \$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 Collegewide Master Plan 2013-2023 (2/16), and Utilities Master Plan (5/06).

## OTHER

FY19 Appropriation: \$2,000,000 (G.O. Bonds). FY20 Appropriation: \$2,000,000 (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. P926659), Roof Replacement: College (CIP No. P876664), Site Improvements: College (CIP No. P076601)



## College Affordability Reconciliation (P661401)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/20/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Other	(1,523)	-	-	(1,523)	(1,523)	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>(1,523)</b>	<b>-</b>	<b>-</b>	<b>(1,523)</b>	<b>(1,523)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	(1,523)	-	-	(1,523)	(1,523)	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>(1,523)</b>	<b>-</b>	<b>-</b>	<b>(1,523)</b>	<b>(1,523)</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	(1,523)	Year First Appropriation	
Appropriation FY 20 Request	-	Last FY's Cost Estimate	
Cumulative Appropriation	-		
Expenditure / Encumbrances	-		
Unencumbered Balance	-		

### PROJECT DESCRIPTION

This project description form (PDF) is used to reconcile Montgomery College's capital budget requests with affordability and the County's bond capacity.

### COST CHANGE

The funding and expenditures reflected in this project from the CE's recommended FY 19-24 capital budget were zeroed out as Council applied reductions to the College's individual projects. A \$1,523,000 CE Amendment is included in this PDF, pending Council action.





## Collegewide Library Renovations (P661901)

**Category** Montgomery College  
**SubCategory** Higher Education  
**Planning Area** Countywide  
**Date Last Modified** 03/29/18  
**Administering Agency** Montgomery College  
**Status** Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Planning, Design and Supervision	1,580	-	-	690	-	400	-	-	-	290	890
Construction	12,385	-	-	555	-	-	-	-	55	500	11,830
Other	5,305	-	-	3,915	-	-	-	-	-	3,915	1,390
<b>TOTAL EXPENDITURES</b>	<b>19,270</b>	-	-	<b>5,160</b>	-	<b>400</b>	-	-	<b>55</b>	<b>4,705</b>	<b>14,110</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	19,270	-	-	5,160	-	400	-	-	55	4,705	14,110
<b>TOTAL FUNDING SOURCES</b>	<b>19,270</b>	-	-	<b>5,160</b>	-	<b>400</b>	-	-	<b>55</b>	<b>4,705</b>	<b>14,110</b>

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>											
Appropriation FY 19 Request	-	Year First Appropriation									
Appropriation FY 20 Request	400	Last FY's Cost Estimate									
Cumulative Appropriation	-										
Expenditure / Encumbrances	-										
Unencumbered Balance	-										

### PROJECT DESCRIPTION

This project provides funding for the renovation of the libraries on Montgomery College's three campuses, specifically the Germantown Humanities and Social Sciences Building, the Rockville Macklin Tower Building, and the Takoma Park/Silver Spring Resource Center. An architecture firm has developed conceptual designs for the three 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

College-wide

### ESTIMATED SCHEDULE

Design for the renovation of the Takoma Park/Silver Spring campus library is to begin in FY20. Construction will start in FY21 pending the availability of funds. Renovations of the other campus libraries is expected to follow.

### COST CHANGE

The College is able to fund design for renovation of the Takoma Park/Silver Spring library in FY20 by transferring \$400,000 from the Rockville Student Services project (#P076604). Additional funds for construction of that library as well as design and construction of the Rockville and Germantown campus libraries will be appropriated as affordability allows. Currently, the capital budget programs \$55,000 in G.O. Bonds in FY23 and \$4,705,000 in G.O. Bonds in FY24.

### PROJECT JUSTIFICATION

Both the Germantown Humanities and Social Sciences Building, and Takoma Park/Silver Spring Resource Center were constructed in 1978, and are 39 years old. The Rockville Macklin Tower Building was constructed in 1971 and is 46 years old. All three of these 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 Master Plan 2013-2023 (2/16), Libraries Planning Study (6/17), and Libraries Planning Study Germantown Addendum (9/17).

### FISCAL NOTE

---

The following transfer has been made to this project: \$400,000 in from the Rockville Student Services project (#P076604).

**COORDINATION**

Macklin Tower Alterations (P036603)



# Collegewide Physical Education Renovations (P661602)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/25/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Preliminary Design Stage

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	7,290	3,780	2,010	1,500	1,500	-	-	-	-	-
Planning, Design and Supervision	710	390	320	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>8,000</b>	<b>4,170</b>	<b>2,330</b>	<b>1,500</b>	<b>1,500</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Major Facilities Capital Projects Fund (College)	8,000	4,170	2,330	1,500	1,500	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>8,000</b>	<b>4,170</b>	<b>2,330</b>	<b>1,500</b>	<b>1,500</b>	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	1,500	Year First Appropriation	FY16
Appropriation FY 20 Request	-	Last FY's Cost Estimate	6,500
Cumulative Appropriation	6,500		
Expenditure / Encumbrances	4,170		
Unencumbered Balance	2,330		

## PROJECT DESCRIPTION

This project provides funding for the renovation of physical education buildings, specifically the Germantown Physical Education building, the Rockville Physical Education Center. 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 sports turf to support the College's athletic program. This project also funds title IX improvements.

## PROJECT JUSTIFICATION

The Germantown Physical Education building was constructed in 1980, and is 37 years old. The Rockville Physical Education Center was constructed in 1966, and is 51 years old. 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: Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

## OTHER

FY19 Appropriation: \$1,500,000 (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).



# Collegewide Road/Parking Lot Repairs and Replacements (P661801)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/05/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Preliminary Design Stage

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	1,350	-	450	900	450	450	-	-	-	-
Planning, Design and Supervision	150	-	50	100	50	50	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,500</b>	<b>-</b>	<b>500</b>	<b>1,000</b>	<b>500</b>	<b>500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Transportation Facilities Capital Projects Fund (College)	1,500	-	500	1,000	500	500	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,500</b>	<b>-</b>	<b>500</b>	<b>1,000</b>	<b>500</b>	<b>500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	500	Year First Appropriation	FY18
Appropriation FY 20 Request	500	Last FY's Cost Estimate	1,500
Cumulative Appropriation	500		
Expenditure / Encumbrances	105		
Unencumbered Balance	395		

## 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.

## 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 Collegewide Master Plan 2013-2023 (2/16), and the Collegewide Facilities Condition Assessment (12/13).

## OTHER

FY19 Appropriation: \$500,000 (Transportation Facilities Capital Projects Fund-MC only). FY20 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).



# Computer Science Alterations (P046602)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/23/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Final Design Stage

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	481	481	13	(13)	(13)	-	-	-	-	-
Planning, Design and Supervision	296	296	254	(254)	(254)	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>777</b>	<b>777</b>	<b>267</b>	<b>(267)</b>	<b>(267)</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	777	777	267	(267)	(267)	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>777</b>	<b>777</b>	<b>267</b>	<b>(267)</b>	<b>(267)</b>	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	(267)	Year First Appropriation	FY01
Appropriation FY 20 Request	-	Last FY's Cost Estimate	1,159
Cumulative Appropriation	1,044		
Expenditure / Encumbrances	777		
Unencumbered Balance	267		

## PROJECT 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.

## COST CHANGE

The approved budget transfers \$76,000 (G.O. Bonds) to the Germantown Science and Applied Studies Renovation project (P136600) to cover additional costs associated with unforeseen conditions. Funds no longer needed in the project of \$191,000 in G.O. Bonds was transferred to the Elevator Modernization: College project (#P056608).

## PROJECT 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 Master Plan 2013-2023 (2/16).

## OTHER

FY19 Appropriation: -\$267,000 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. The following fund transfer has been made from this project: \$115,000 to the Germantown Science and Applied Studies Renovation project (P136600) (BOT Resol.#17-11-121, 11/13/17); \$76,000 to the Germantown Science and Applied Studies Renovation project by Council action in FY19; and \$191,000 to Elevator Modernization: College (#P056608) by Council action in FY19.

## COORDINATION

Cafritz Foundation Arts Center (CIP No. P056604), Network Operating Center (CIP No. P076618)



# Elevator Modernization: College (P056608)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/23/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	5,227	2,942	479	1,806	806	200	200	200	200	200	-
Planning, Design and Supervision	653	539	14	100	100	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>5,880</b>	<b>3,481</b>	<b>493</b>	<b>1,906</b>	<b>906</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	5,880	3,481	493	1,906	906	200	200	200	200	200	-
<b>TOTAL FUNDING SOURCES</b>	<b>5,880</b>	<b>3,481</b>	<b>493</b>	<b>1,906</b>	<b>906</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	906	Year First Appropriation	FY03
Appropriation FY 20 Request	200	Last FY's Cost Estimate	4,174
Cumulative Appropriation	3,974		
Expenditure / Encumbrances	3,481		
Unencumbered Balance	493		

## PROJECT DESCRIPTION

This project provides funding for the modernization and/or replacement of existing elevators on all three campuses. Specifically, this project provides for an additional elevator for the High Technology Building on the Germantown Campus.

## COST CHANGE

FY19 is increased to cover the full cost of the new elevator project, \$706,000 in G.O. Bonds of which is supported with funds transferred from project balances elsewhere in the College capital budget: \$191,000 in G.O. Bonds from Computer Science Alterations (#P046602), \$68,000 in G.O. Bonds from Science West Building Renovation (#P076622), and \$447,000 in G.O. Bonds from Rockville Student Services (#P076604). Additional increases are due to addition of FY23, and FY24.

## 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 Collegewide Facilities Condition Assessment Update (12/13), a Collegewide Elevator Study (4/05), the Collegewide Master Plan 2013-2023 (2/16), and the Takoma Park/Silver Spring Elevator Update (9/09).

## OTHER

FY19 Appropriation: \$907,000 (G.O. Bonds). FY20 Appropriation: \$200,000 (G.O. Bonds).

## FISCAL NOTE

The following transfers were made to this project by Council action in FY19: \$191,000 in G.O. Bonds from Computer Science Alterations (#P046602), \$86,000 in G.O. Bonds from Science West Building Renovation (#P076622), and \$447,000 in G.O. Bonds from Rockville Student Services (#P076604).

## 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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/25/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	3,025	2,705	50	270	45	45	45	45	45	45	-
Planning, Design and Supervision	2,502	1,920	102	480	80	80	80	80	80	80	-
Other	132	132	-	-	-	-	-	-	-	-	-
Site Improvements and Utilities	59	59	-	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>5,718</b>	<b>4,816</b>	<b>152</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	3,480	2,690	136	654	109	109	109	109	109	109	-
Current Revenue: General	2,138	2,026	16	96	16	16	16	16	16	16	-
State Aid	51	51	-	-	-	-	-	-	-	-	-
Federal Aid	49	49	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>5,718</b>	<b>4,816</b>	<b>152</b>	<b>750</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>-</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
Maintenance			(2,820)	(420)	(440)	(460)	(480)	(500)	(520)		
Energy			(7,410)	(1,110)	(1,160)	(1,210)	(1,260)	(1,310)	(1,360)		
<b>NET IMPACT</b>			<b>(10,230)</b>	<b>(1,530)</b>	<b>(1,600)</b>	<b>(1,670)</b>	<b>(1,740)</b>	<b>(1,810)</b>	<b>(1,880)</b>		
<b>FULL TIME EQUIVALENT (FTE)</b>				<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	125	Year First Appropriation	FY81
Appropriation FY 20 Request	125	Last FY's Cost Estimate	5,468
Cumulative Appropriation	4,968		
Expenditure / Encumbrances	4,907		
Unencumbered Balance	61		

### PROJECT 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 addition to FY23, and FY24.

### PROJECT JUSTIFICATION

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

### OTHER

FY19 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). FY20 Appropriation: Total - \$125,000; \$109,000 (G.O. Bonds), and \$16,000 (Current Revenue: General). 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 FY19-20 include planning for new buildings on the Rockville and Takoma Park/Silver Spring campuses. Campus utilities master plans are currently being updated to conform to the approved Facilities Master Plan 2013-2023 (2/16).

---

## **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**

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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/25/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	7,397	5,094	683	1,620	270	270	270	270	270	270	-
<b>TOTAL EXPENDITURES</b>	<b>7,397</b>	<b>5,094</b>	<b>683</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

Current Revenue: General	7,397	5,094	683	1,620	270	270	270	270	270	270	-
<b>TOTAL FUNDING SOURCES</b>	<b>7,397</b>	<b>5,094</b>	<b>683</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	270	Year First Appropriation	FY88
Appropriation FY 20 Request	270	Last FY's Cost Estimate	6,857
Cumulative Appropriation	5,777		
Expenditure / Encumbrances	5,094		
Unencumbered Balance	683		

### PROJECT 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 FY23 and FY24.

### PROJECT 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 Master Plan 2013-2023 (2/16).

### OTHER

FY19 Appropriation: \$270,000 (Current Revenue: General). FY20 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, FY18-Facilities Condition Assessment, FY19 – Germantown Student Services Center Part I/II as submitted to the State.



# Germantown Observation Drive Reconstruction (P096604)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/09/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Final Design Stage

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Site Improvements and Utilities	800	719	31	50	50	-	-	-	-	-
Planning, Design and Supervision	200	91	109	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>1,000</b>	<b>810</b>	<b>140</b>	<b>50</b>	<b>50</b>	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	1,000	810	140	50	50	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>1,000</b>	<b>810</b>	<b>140</b>	<b>50</b>	<b>50</b>	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY09
Appropriation FY 20 Request	-	Last FY's Cost Estimate	1,000
Cumulative Appropriation	1,000		
Expenditure / Encumbrances	811		
Unencumbered Balance	189		

## PROJECT 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.

## PROJECT 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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/28/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	31,222	30,777	178	267	267	-	-	-	-	-	-
Other	5,316	-	5,116	200	100	100	-	-	-	-	-
Planning, Design and Supervision	4,529	4,050	479	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>41,067</b>	<b>34,827</b>	<b>5,773</b>	<b>467</b>	<b>367</b>	<b>100</b>	-	-	-	-	-

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	21,144	17,822	3,146	176	126	50	-	-	-	-	-
State Aid	19,923	17,005	2,627	291	241	50	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>41,067</b>	<b>34,827</b>	<b>5,773</b>	<b>467</b>	<b>367</b>	<b>100</b>	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	267	Year First Appropriation	FY13
Appropriation FY 20 Request	-	Last FY's Cost Estimate	40,685
Cumulative Appropriation	40,800		
Expenditure / Encumbrances	34,943		
Unencumbered Balance	5,857		

## PROJECT 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 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 winter of 2019.

## COST CHANGE

The approved budget transfers \$76,000 (G.O.bonds) from the Computer Science Alterations project (P046602) and adds \$191,000 in State matching funds to cover additional costs associated with unforeseen conditions. (The College's Board of Trustees previously transferred \$115,000 in G.O. Bonds from Computer Science Alterations to this project [BOT Resol.#17-11-121 ,11/13/17], making to the total transfer from Computer Science Alterations \$191,000 in County G.O. Bonds.)

## PROJECT JUSTIFICATION

Under the application of the State space guidelines, the enrollment growth on the Germantown Campus has resulted in a significant instructional space deficit. The Germantown Campus has a 2026 projected instructional space deficit of 80,763 NASF and a total space deficit anticipated to be 200,880 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 (1/16), the Renovation/Addition to Sciences & Applied Studies Building at Montgomery College Germantown Campus, Part 1, Part 2 (3/11), and the Collegewide Master Plan 2013-2023 (2/16).

## OTHER

---

FY19 Appropriation: \$76,000 (G.O. Bonds) and \$191,000 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). The following fund transfer has been made to this project: \$115,000 from the Computer Science Alterations project (P046602) (BOT Resol.#17-11-121,11/13/17).

---

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



# Germantown Student Services Center (P076612)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/20/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Germantown and Vicinity	<b>Status</b>	Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	45,695	-	-	22,847	-	-	-	-	-	22,847	22,848
Planning, Design and Supervision	9,154	-	-	9,154	-	-	-	6,052	3,102	-	-
Other	4,730	-	-	-	-	-	-	-	-	-	4,730
<b>TOTAL EXPENDITURES</b>	<b>59,579</b>	-	-	<b>32,001</b>	-	-	-	<b>6,052</b>	<b>3,102</b>	<b>22,847</b>	<b>27,578</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	29,790	-	-	16,001	-	-	-	3,026	1,551	11,424	13,789
State Aid	29,789	-	-	16,000	-	-	-	3,026	1,551	11,423	13,789
<b>TOTAL FUNDING SOURCES</b>	<b>59,579</b>	-	-	<b>32,001</b>	-	-	-	<b>6,052</b>	<b>3,102</b>	<b>22,847</b>	<b>27,578</b>

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>											
Appropriation FY 19 Request	-	Year First Appropriation									
Appropriation FY 20 Request	-	Last FY's Cost Estimate									
Cumulative Appropriation	-	59,416									
Expenditure / Encumbrances	-										
Unencumbered Balance	-										

## PROJECT 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

The budget assumes the split-funding of construction between FY24 and FY25 (in the Beyond Six-year Period) column). The College request added 3.5% for the State escalation match, funding that was removed by Council through non-recommended reductions because the State did not increase funding for its portion of the match. As a result, project costs align with the previously approved PDF.

## 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 2016 space deficit of 96,648 NSF, and a 2026 projected space deficit of 200,880. 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 (\$47,294,000) include: site improvement costs (\$9,180,000), building construction costs (\$38,114,000). The building construction cost per gross square foot equals \$401 (\$38,114,000/95,000).

## 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)



# Information Technology: College (P856509)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/01/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Other	150,775	93,016	9,759	48,000	8,000	8,000	8,000	8,000	8,000	8,000	-
Construction	22,025	18,952	73	3,000	500	500	500	500	500	500	-
Planning, Design and Supervision	4,247	3,908	339	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>177,047</b>	<b>115,876</b>	<b>10,171</b>	<b>51,000</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
Current Revenue: General	112,487	51,316	10,171	51,000	8,500	8,500	8,500	8,500	8,500	8,500	-
Recordation Tax	57,916	57,916	-	-	-	-	-	-	-	-	-
G.O. Bonds	4,603	4,603	-	-	-	-	-	-	-	-	-
PAYGO	2,041	2,041	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>177,047</b>	<b>115,876</b>	<b>10,171</b>	<b>51,000</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>8,500</b>	<b>-</b>

<b>OPERATING BUDGET IMPACT (\$000s)</b>											
<b>FULL TIME EQUIVALENT (FTE)</b>					4	4	4	4	4	4	

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	6,600	Year First Appropriation	FY85
Appropriation FY 20 Request	8,500	Last FY's Cost Estimate	161,947
Cumulative Appropriation	127,947		
Expenditure / Encumbrances	119,299		
Unencumbered Balance	8,648		

## 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; 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

Increase due to addition in FY23, and FY24.

## COST CHANGE

The FY18 Savings Plan reduced FY18 funding and expenditures by \$1,900,000 in Current Revenue: General.

## 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

FY19 Appropriation: \$8,500,000 (Current Revenue: General). FY20 Appropriation: \$8,500,000 (Current Revenue: General). 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 (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.



# Instructional Furniture and Equipment: College (P096601)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	10/03/17
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Other	4,260	2,209	431	1,620	270	270	270	270	270	270	-
<b>TOTAL EXPENDITURES</b>	<b>4,260</b>	<b>2,209</b>	<b>431</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	4,260	2,209	431	1,620	270	270	270	270	270	270	-
<b>TOTAL FUNDING SOURCES</b>	<b>4,260</b>	<b>2,209</b>	<b>431</b>	<b>1,620</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	270	Year First Appropriation	FY09
Appropriation FY 20 Request	270	Last FY's Cost Estimate	3,720
Cumulative Appropriation	2,640		
Expenditure / Encumbrances	2,209		
Unencumbered Balance	431		

## PROJECT 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 addition to FY23, and FY24.

## PROJECT 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 (2015).

## OTHER

FY19 Appropriation: \$270,000 (Current Revenue: General). FY20 Appropriation: \$270,000 (Current Revenue: General).

## DISCLOSURES

Expenditures will continue indefinitely.

## COORDINATION

Montgomery College Academic Master Plan (2015)





# Macklin Tower Alterations (P036603)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/22/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Under Construction

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	9,013	4,333	2,680	2,000	2,000	-	-	-	-	-
Planning, Design and Supervision	1,591	831	760	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>10,604</b>	<b>5,164</b>	<b>3,440</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	10,604	5,164	3,440	2,000	2,000	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>10,604</b>	<b>5,164</b>	<b>3,440</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY03
Appropriation FY 20 Request	-	Last FY's Cost Estimate	10,604
Cumulative Appropriation	10,604		
Expenditure / Encumbrances	5,164		
Unencumbered Balance	5,440		

## PROJECT 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.

## PROJECT 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 Master Plan 2013-2023 (2/16).

## OTHER

Funding Source: G.O. Bonds. 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).

## 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.

## COORDINATION

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



# Network Infrastructure and Support Systems (P076619)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	10/03/17
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Other	32,039	8,387	2,532	21,120	3,520	3,520	3,520	3,520	3,520	3,520	-
Planning, Design and Supervision	5,704	4,329	295	1,080	180	180	180	180	180	180	-
Construction	1,974	1,303	71	600	100	100	100	100	100	100	-
<b>TOTAL EXPENDITURES</b>	<b>39,717</b>	<b>14,019</b>	<b>2,898</b>	<b>22,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	-

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	38,297	12,599	2,898	22,800	3,800	3,800	3,800	3,800	3,800	3,800	-
Recordation Tax	1,420	1,420	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>39,717</b>	<b>14,019</b>	<b>2,898</b>	<b>22,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	<b>3,800</b>	-

## OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>
-----------------------------------	----------	----------	----------	----------	----------	----------

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	3,800	Year First Appropriation	FY07
Appropriation FY 20 Request	3,800	Last FY's Cost Estimate	24,117
Cumulative Appropriation	16,917		
Expenditure / Encumbrances	14,507		
Unencumbered Balance	2,410		

## PROJECT DESCRIPTION

This project supports the ongoing installation and maintenance of the information technology (IT) network infrastructure throughout all Montgomery College facilities, as well as on-premise server operations for applications not suitable for cloud computing. The network-related infrastructure includes cable distribution systems (conduit, fiber optics, wiring); equipment such as routers, switches, wireless access points, firewalls, intrusion detection and prevention devices; network management systems, specialized technology tools, monitoring systems, and diagnostic equipment; and remote access technologies. Also included are telephone systems, emergency notification systems, building management systems, and video security systems. The scope of the project includes the associated electrical, environmental, and backup systems needed to ensure the reliable operation of all equipment. On-premise server operations are supported through the maintenance of a primary data center on the Takoma Park/Silver Spring (TP/SS) campus, and a backup data center on the Rockville campus. Associated with the TP/SS data center is the College's Network Operating Center (NOC), where staff maintain server and network equipment and provide 24/7 monitoring of all College IT systems and services to ensure proper functioning and performance. This includes instructional and administrative applications and all network and Internet-related services used in support of both credit and non-credit programs. This project funds six positions. Note: The Network Operating Center/Datacenter project's (P076618) FY19 and beyond funding requests and work years have been added to this project. In addition, the project name has changed from Network Infrastructure Support Systems to Network Infrastructure and Server Operations.

## COST CHANGE

Increase due to the addition of FY23 and FY24.

## PROJECT 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

FY19 Appropriation: \$3,800,000 (Current Revenue: General). FY20 Appropriation: \$3,800,000 (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**

MC2020 Strategic Plan, Academic Master Plan (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines establish by these documents.



# Network Operating Center/Datacenter (P076618)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	01/29/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Silver Spring and Vicinity	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Other	14,822	12,776	2,046	-	-	-	-	-	-	-
Construction	8,723	8,670	53	-	-	-	-	-	-	-
Planning, Design and Supervision	3,009	2,767	242	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>26,554</b>	<b>24,213</b>	<b>2,341</b>	-	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	15,261	12,920	2,341	-	-	-	-	-	-	-
Recordation Tax	11,293	11,293	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>26,554</b>	<b>24,213</b>	<b>2,341</b>	-	-	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY07
Appropriation FY 20 Request	-	Last FY's Cost Estimate	34,554
Cumulative Appropriation	26,554		
Expenditure / Encumbrances	24,213		
Unencumbered Balance	2,341		

## PROJECT 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

Note: Beginning in FY19, the funding request of \$2 million per year, and work years - 2, have been moved to the Network Infrastructure Support Systems project.

## PROJECT 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

Funding Source: Current Revenue: General and Current Revenue: Recordation Tax. 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 (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines established by these documents.



# Planned Lifecycle Asset Replacement: College (P926659)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/23/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	67,410	40,740	5,070	21,600	3,600	3,600	3,600	3,600	3,600	3,600	-
Planning, Design and Supervision	8,313	4,782	1,131	2,400	400	400	400	400	400	400	-
Other	310	294	16	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>76,033</b>	<b>45,816</b>	<b>6,217</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	74,093	43,876	6,217	24,000	4,000	4,000	4,000	4,000	4,000	4,000	-
Current Revenue: General	1,940	1,940	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>76,033</b>	<b>45,816</b>	<b>6,217</b>	<b>24,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>-</b>

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	4,000	Year First Appropriation	FY93
Appropriation FY 20 Request	4,000	Last FY's Cost Estimate	66,172
Cumulative Appropriation	52,033		
Expenditure / Encumbrances	45,926		
Unencumbered Balance	6,107		

## 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.

## COST CHANGE

FY19 increases by \$1,861,000 in G.O. Bonds by transferring available funds from Science West Building Renovation (#P076622).

## 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 \$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 Master Plan 2013-2023 (2/16), and the County Council Report of the Infrastructure Maintenance Task Force (3/16).

## OTHER

FY19 Appropriation: \$4,000,000 (G.O. Bonds). FY20 Appropriation: \$4,000,000 (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), \$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 was transferred from available balances elsewhere in the College's capital budget,

---

## **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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/23/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	29,638	19,136	2,598	7,904	1,353	1,353	1,246	1,246	1,353	1,353	-
Construction	9,012	6,420	-	2,592	443	443	410	410	443	443	-
<b>TOTAL EXPENDITURES</b>	<b>38,650</b>	<b>25,556</b>	<b>2,598</b>	<b>10,496</b>	<b>1,796</b>	<b>1,796</b>	<b>1,656</b>	<b>1,656</b>	<b>1,796</b>	<b>1,796</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	19,970	13,703	1,299	4,968	828	828	828	828	828	828	-
G.O. Bonds	18,680	11,853	1,299	5,528	968	968	828	828	968	968	-
<b>TOTAL FUNDING SOURCES</b>	<b>38,650</b>	<b>25,556</b>	<b>2,598</b>	<b>10,496</b>	<b>1,796</b>	<b>1,796</b>	<b>1,656</b>	<b>1,656</b>	<b>1,796</b>	<b>1,796</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>
-----------------------------------	-----------	-----------	-----------	-----------	-----------	-----------

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	1,796	Year First Appropriation	FY90
Appropriation FY 20 Request	1,796	Last FY's Cost Estimate	34,778
Cumulative Appropriation	28,154		
Expenditure / Encumbrances	27,066		
Unencumbered Balance	1,088		

## PROJECT DESCRIPTION

This project provides for sixteen full time positions in the Division of Facilities and Security 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 categorized as Project Management Staff are Project Managers (7), 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 categorized as Design Staff are Architect (2), Engineer (1), GIS Coordinator (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 in FY19 and FY20 due to the addition of 3% salary increase approved during the FY18 budget cycle, increase in the cost of health insurance, and other salary costs. The increases are funded by transferring \$280,000 in G.O. Bonds from the Science West Building Renovation project (#P076622). FY23 and FY24 represent years that are new to the six-year period and also reflect an increase using capacity available from a re-oriented renovation schedule in the Collegewide Library Renovation (#P661901).

## PROJECT 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

FY19 Appropriation: \$1,796,000; \$968,000 (G.O. Bonds) and \$828,000 (Current Revenue: General). FY20 Appropriation: \$1,796,000; \$968,000 (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), \$700,000 from the Bioscience Education Center project (#P056603) (BOT Resol. #16-04-051, 4/18/16), and \$280,000 in G.O. Bonds from the Science West Building Renovation project (#P076622). 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.

48



# Rockville Parking Garage (P136601)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/14/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	26,500	25,466	834	200	100	100	-	-	-	-	-
Planning, Design and Supervision	3,200	2,487	713	-	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>29,700</b>	<b>27,953</b>	<b>1,547</b>	<b>200</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	16,450	15,737	713	-	-	-	-	-	-	-	-
Revenue Authority	13,250	12,216	834	200	100	100	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>29,700</b>	<b>27,953</b>	<b>1,547</b>	<b>200</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	-	Year First Appropriation	FY15
Appropriation FY 20 Request	-	Last FY's Cost Estimate	29,700
Cumulative Appropriation	29,700		
Expenditure / Encumbrances	27,959		
Unencumbered Balance	1,741		

## PROJECT 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 was completed in January 2017.

## PROJECT 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 Master Plan 2013-2023 (2/16), 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)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/20/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	53,716	424	53,292	-	-	-	-	-	-	-	-
Planning, Design and Supervision	10,369	6,401	3,968	-	-	-	-	-	-	-	-
Other	9,475	-	-	9,475	9,475	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>73,560</b>	<b>6,825</b>	<b>57,260</b>	<b>9,475</b>	<b>9,475</b>	-	-	-	-	-	-

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	37,927	3,729	28,472	5,726	5,726	-	-	-	-	-	-
State Aid	35,633	3,096	28,788	3,749	3,749	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>73,560</b>	<b>6,825</b>	<b>57,260</b>	<b>9,475</b>	<b>9,475</b>	-	-	-	-	-	-

APPROPRIATION AND EXPENDITURE DATA (\$000s)			
Appropriation FY 19 Request	9,475	Year First Appropriation	FY13
Appropriation FY 20 Request	-	Last FY's Cost Estimate	75,254
Cumulative Appropriation	64,085		
Expenditure / Encumbrances	56,021		
Unencumbered Balance	8,064		

## PROJECT 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, 2013-2023 (2/16). 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 fall 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 College request added 3.5% for the State escalation match, funding that was removed by Council through non-recommended reductions because the State did not increase funding for its portion of the match. The College additionally reduced funding and expenditures by \$1,694,000 (\$847,000 each for State Aid and G.O. Bonds) to reflect the State's approved equipment funding.

## PROJECT JUSTIFICATION

Currently, these intake functions are fragmented and are insufficiently accommodated: Student Development is located in the Counseling & Advising Building; the assessment program is located in Campus Center; Admissions, Registration and Financial Aid are located in the Student Services Building. Bringing these functions under one roof will be of great benefit to students by increasing the efficiency of the intake operations. Relevant studies include the Collegewide Facilities Condition Assessment (12/13), the Collegewide Master Plan 2013-2023 (2/16), and the Rockville Student Services Center Part 1/Part 2 (5/11).

## OTHER

FY19 Appropriation: \$11,491,000 Total: \$6,734,000 (G.O. Bonds), and \$4,757,000 (State Aid). FY20 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 asserts that this project conforms to the requirement of relevant local plans, as required by the Maryland Economic Growth, Resource Protection and Planning Act.



# Roof Replacement: College (P876664)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/23/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	10,310	5,821	1,170	3,319	1,800	217	217	217	434	434	-
Planning, Design and Supervision	1,505	1,068	6	431	200	33	33	33	66	66	-
<b>TOTAL EXPENDITURES</b>	<b>11,815</b>	<b>6,889</b>	<b>1,176</b>	<b>3,750</b>	<b>2,000</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>500</b>	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	9,364	4,438	1,176	3,750	2,000	250	250	250	500	500	-
Current Revenue: General	1,248	1,248	-	-	-	-	-	-	-	-	-
State Aid	1,203	1,203	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>11,815</b>	<b>6,889</b>	<b>1,176</b>	<b>3,750</b>	<b>2,000</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>500</b>	<b>500</b>	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	2,000	Year First Appropriation	FY87
Appropriation FY 20 Request	250	Last FY's Cost Estimate	9,065
Cumulative Appropriation	8,065		
Expenditure / Encumbrances	6,940		
Unencumbered Balance	1,125		

## 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 is underway, and anticipated to be completed in FY18.

## COST CHANGE

Increase in FY19 is due to the need for a new roof on the Rockville Physical Education Building, with \$813,000 in G.O. Bonds transferring in from the Germantown Bioscience Education Center project (#P056603) and \$937,000 transferring in from Science West Building Renovation (#P076622). Additions in FY23 and FY24 are for new years in the six-year period and reflect an increase to the level of effort.

## 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 Collegewide Roof Surveys Update (pending fall 2017), a Collegewide Facilities Condition Assessment Update (12/13) and the Collegewide Master Plan 2013-2023 (2/16).

## OTHER

FY19 Appropriation: \$2,000,000(G.O. Bonds). FY20 Appropriation: \$500,000 (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 transferred from the Bioscience Education Center project (#P056603) and \$937,000 in G.O. Bonds were transferred from the Science West Building Renovation project (#P076622).

## 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), FY18 – Collegewide Roof Surveys & Major

---

Repairs, which will also determine next sequence of projects.



# Science East Building Renovation (P076623)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	02/14/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Under Construction

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Construction	22,175	22,086	89	-	-	-	-	-	-	-
Planning, Design and Supervision	3,822	3,576	246	-	-	-	-	-	-	-
Other	3,098	2,245	853	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>29,095</b>	<b>27,907</b>	<b>1,188</b>	-	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	15,742	15,742	-	-	-	-	-	-	-	-
State Aid	13,353	12,165	1,188	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>29,095</b>	<b>27,907</b>	<b>1,188</b>	-	-	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	-	Year First Appropriation	FY09
Appropriation FY 20 Request	-	Last FY's Cost Estimate	29,095
Cumulative Appropriation	29,095		
Expenditure / Encumbrances	27,907		
Unencumbered Balance	1,188		

## PROJECT 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.

## PROJECT 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 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

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



# Science West Building Renovation (P076622)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/27/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Rockville	<b>Status</b>	Final Design Stage

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	3,162	3,055	107	-	-	-	-	-	-	-
Construction	25,363	24,160	1,203	-	-	-	-	-	-	-
Other	3,675	2,212	1,463	-	-	-	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>32,200</b>	<b>29,427</b>	<b>2,773</b>	-	-	-	-	-	-	-

## FUNDING SCHEDULE (\$000s)

G.O. Bonds	16,461	13,698	2,763	-	-	-	-	-	-	-
State Aid	15,739	15,729	10	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>32,200</b>	<b>29,427</b>	<b>2,773</b>	-	-	-	-	-	-	-

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	(3,146)	Year First Appropriation	FY09
Appropriation FY 20 Request	-	Last FY's Cost Estimate	35,346
Cumulative Appropriation	35,346		
Expenditure / Encumbrances	31,376		
Unencumbered Balance	3,970		

## PROJECT 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 fireproofing in conformance with the local fire code.

## ESTIMATED SCHEDULE

Project construction was completed during winter 2017.

## COST CHANGE

Funds no longer needed in this project of \$3,146,000 in G.O. Bonds were transferred to: Planned Lifecycle Asset Replacement: College (#P926659), \$1,861,000 in G.O. Bonds; Planning, Design, and Construction (#P906605), \$280,000 in G.O. Bonds; Roof Replacement: College (#P876664), \$973,000 in G.O. Bonds; and Elevator Modernization (#P056608), \$68,000 in G.O. Bonds.

## PROJECT JUSTIFICATION

Science West was constructed in 1971. The building no longer adequately supports the educational programs and support functions housed in it. The College will coordinate the renovation of Science West with the construction of the Rockville Science Center. The Chemistry and Biology departments will relocate to the new Rockville Science Center when it is completed in FY11. The existing mechanical system is inadequate and will be replaced along with the existing lighting to create better illumination levels and greater energy efficiency. The funds requested will also provide for the reassignment, realignment, and renovation of space, including furniture and equipment; energy conservation; and handicapped modification measures. Relevant studies include the Collegewide Facilities Condition Assessment (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

FY19 Appropriation: -\$3,146,000 in G.O. Bonds. Additional funding Source: 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.

## 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**

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



## Site Improvements: College (P076601)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	10/03/17
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

### EXPENDITURE SCHEDULE (\$000s)

Site Improvements and Utilities	14,930	11,859	191	2,880	480	480	480	480	480	480	-
Planning, Design and Supervision	3,174	2,191	143	840	140	140	140	140	140	140	-
Construction	2,730	2,161	89	480	80	80	80	80	80	80	-
<b>TOTAL EXPENDITURES</b>	<b>20,834</b>	<b>16,211</b>	<b>423</b>	<b>4,200</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>-</b>

### FUNDING SCHEDULE (\$000s)

G.O. Bonds	19,834	15,211	423	4,200	700	700	700	700	700	700	-
Current Revenue: General	1,000	1,000	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>20,834</b>	<b>16,211</b>	<b>423</b>	<b>4,200</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>700</b>	<b>-</b>

### APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	700	Year First Appropriation	FY07
Appropriation FY 20 Request	700	Last FY's Cost Estimate	19,434
Cumulative Appropriation	16,634		
Expenditure / Encumbrances	16,212		
Unencumbered Balance	422		

### 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.

### COST CHANGE

Increase due to addition to FY23, and FY24.

### 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 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

FY19 Appropriation: \$700,000 (G.O. Bonds). FY20 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., Capital Renewal: College (CIP No. P096600), Elevator Modernization: College (CIP No. P056608)



# Student Learning Support Systems (P076617)

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	10/03/17
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Countywide	<b>Status</b>	Ongoing

Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
-------	-----------	----------	------------------	-------	-------	-------	-------	-------	-------	-------------------

## EXPENDITURE SCHEDULE (\$000s)

Other	15,284	7,718	1,566	6,000	1,000	1,000	1,000	1,000	1,000	1,000	-
Planning, Design and Supervision	6,336	3,647	289	2,400	400	400	400	400	400	400	-
<b>TOTAL EXPENDITURES</b>	<b>21,620</b>	<b>11,365</b>	<b>1,855</b>	<b>8,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>-</b>

## FUNDING SCHEDULE (\$000s)

Current Revenue: General	21,258	11,003	1,855	8,400	1,400	1,400	1,400	1,400	1,400	1,400	-
Recordation Tax	362	362	-	-	-	-	-	-	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>21,620</b>	<b>11,365</b>	<b>1,855</b>	<b>8,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>-</b>

## OPERATING BUDGET IMPACT (\$000s)

<b>FULL TIME EQUIVALENT (FTE)</b>					4	4	4	4	4	4	
-----------------------------------	--	--	--	--	---	---	---	---	---	---	--

## APPROPRIATION AND EXPENDITURE DATA (\$000s)

Appropriation FY 19 Request	1,400	Year First Appropriation	FY07
Appropriation FY 20 Request	1,400	Last FY's Cost Estimate	18,820
Cumulative Appropriation	13,220		
Expenditure / Encumbrances	11,365		
Unencumbered Balance	1,855		

## PROJECT 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 College 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 addition to FY23, and FY24.

## PROJECT 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

FY19 Appropriation: \$1,400,000 (Current Revenue: General). FY20 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 (2015), Facilities Master Plan 2013-2023 (2/16), Information Technology Master Plan, Student Affairs Master Plan (draft), and campus building renovation projects. Expenditures are made in alignment with the priorities and guidelines established by these documents.





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

<b>Category</b>	Montgomery College	<b>Date Last Modified</b>	03/20/18
<b>SubCategory</b>	Higher Education	<b>Administering Agency</b>	Montgomery College
<b>Planning Area</b>	Silver Spring and Vicinity	<b>Status</b>	Planning Stage

	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
<b>EXPENDITURE SCHEDULE (\$000s)</b>											
Construction	68,500	-	-	68,500	-	8,514	27,504	32,482	-	-	-
Planning, Design and Supervision	10,276	-	1,500	8,776	4,582	4,194	-	-	-	-	-
Other	6,850	-	-	6,850	-	-	-	6,850	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>85,626</b>	-	<b>1,500</b>	<b>84,126</b>	<b>4,582</b>	<b>12,708</b>	<b>27,504</b>	<b>39,332</b>	-	-	-

<b>FUNDING SCHEDULE (\$000s)</b>											
G.O. Bonds	42,813	-	750	42,063	2,291	6,354	13,752	19,666	-	-	-
State Aid	42,813	-	750	42,063	2,291	6,354	13,752	19,666	-	-	-
<b>TOTAL FUNDING SOURCES</b>	<b>85,626</b>	-	<b>1,500</b>	<b>84,126</b>	<b>4,582</b>	<b>12,708</b>	<b>27,504</b>	<b>39,332</b>	-	-	-

<b>APPROPRIATION AND EXPENDITURE DATA (\$000s)</b>											
Appropriation FY 19 Request	-	-	-	Year First Appropriation	-	-	-	-	-	-	FY16
Appropriation FY 20 Request	68,500	-	-	Last FY's Cost Estimate	-	-	-	-	-	-	85,628
Cumulative Appropriation	10,276	-	-								
Expenditure / Encumbrances	-	-	-								
Unencumbered Balance	10,276	-	-								

## 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.

## 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 was reduced to reflect a change in the project's construction schedule. Finally, the College's request added 3.5% to construction and equipment to reflect the State's allowable cost escalation factor. This increase was removed by Council because the State did not increase funding for its own match and as a result, project costs match the previously approved PDF.

## 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 2016 laboratory space deficit of 62,480 NASF and a total space deficit of 25,398 NASF. The 2026 projected laboratory space deficit is 55,883 NASF and the total space deficit is anticipated to be 99,331 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

FY19 Appropriation: 0 FY20 Appropriation: \$70,900,000; \$35,450,000 (G.O. Bonds), and \$35,450,000 (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 (\$70,900,000) include: site improvement costs (\$6,557,000), building construction costs (\$64,343,000). The building construction cost per gross square foot equals \$478 (\$64,343,000/134,600).

## 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)



OFFICE OF THE PRESIDENT

September 29, 2017

Dear Friends:

Over the past several months, we came together to consider the future of Montgomery College's Takoma Park/Silver Spring Campus and, specifically, the modernization of its math and science classrooms and laboratories. I am grateful for the opportunity to have engaged with so many stakeholders, to learn and understand their needs, and to share my commitment to the College's mission—empowering students to change their lives.

**Montgomery College values community engagement and is committed to being a good neighbor.**

A year ago in August, I committed to a process to deepen our community engagement efforts in and about the Takoma Park/Silver Spring Campus. I did so because I recognize that the College must be a good neighbor with respect to facility construction as well as daily operations.

Last week, I was pleasantly reminded of the value of community engagement with the Montgomery County Planning Department's announcement that the renovation design for the Pavilion Three Building will be awarded a 2017 Design Excellence Award. Our close collaboration with neighbors helped to shape this design that meets the needs of our students and integrates well with the neighborhoods. The Montgomery County Planning Department and the American Institute of Architects' Potomac Valley Chapter will bestow a jury award to the project architects along with the other award winners on October 19.

Our more recent work together resulted in some immediate changes on campus. In response to traffic and circulation concerns at the start of the fall semester the campus implemented a new "cell phone parking" area in our garage, similar to those at airports, for student pickup. A campaign is underway to train students about where to park and the pick-up procedure. Additionally, after last semester's successful pilot program, the College will continue to hire, at our expense, off-duty police officers to enforce parking laws on Chicago Avenue, New York Avenue, and Islington Street.

**Community Conversations enabled me to connect directly with the array of stakeholders.**

With respect to the future of the campus and to enhance our efforts to balance the needs of neighbors, students, and fiscal discipline, I realized we had to hear more clearly from our stakeholders. As part of this effort, we embarked on a series of Community Conversations in partnership with the City of Takoma Park.

The City embraced this effort by hosting the first two Conversations. I am grateful for Mayor Kate Stewart's leadership and the City staff who contributed countless hours to organize and lead these events.

The dialogue during the Conversations was informative, thoughtful, caring, robust, and frank. Together, we held three events (March 21, May 9, and June 6), which ultimately involved extensive discussions about the need for modern math and science classrooms and laboratories. We discussed the location and building concepts for the needed facilities in the College's current 2013-2023 facilities master plan (FMP), which replaces Science South and Falcon Hall, and its previous 2006-2016 FMP, which replaces Science North and Science South. *(Please note in this letter the current 2013-2023 FMP is referred to as "Option 1" and the previous 2006-2016 FMP is referred to as "Option 2.")* We recorded each event and documented the comments. The campus' adjacent neighbors, residents of Takoma Park and Silver Spring, government officials, students and alumni, faculty and staff, and many other community leaders gave significant time and energy to these Conversations—more than 100 people attended each event.

Following the Community Conversations, the College also offered an online, open-to-the-public web page to complete these Conversations and ensure all those interested had an opportunity to engage and provide feedback. In sum, over one hundred comments were posted to the City's and the College's web pages in addition to an array of letters, emails, and phone calls that were received.

**The consensus for the need for modern math and science facilities was clear and resounding.**

During the Conversations, I was gratified to hear the deep commitment to the College and the students we serve. It is clear that we all agree: MC urgently needs to modernize the current math and science classrooms and labs that are woefully inadequate to educate our students. The current buildings, at 38 and 56 years of age, are old, out-of-date, and do not meet today's instructional requirements. And, I think it is fair to say that most participants understand and

appreciate the urgency that I feel—that my faculty and staff feel—to bring modern facilities to this campus. Every student must take a math and a science class to graduate. Therefore, the down-county students need easy access to state-of-the-art classrooms and labs to advance their futures. This project has been in our FMP since 2004, in our capital budget for 10 years, and envisioned for more than 20 years. The students of this campus simply cannot wait any longer.

Additionally, and of great importance to me, our adjacent neighbors came to understand the complexities of constructing this facility on sites away from the east campus.

Neighborhood coalitions wrote us in support of construction on the east campus using the site in Option 2 that replaces the Science South and Science North buildings with two four-story buildings with rooftop air handling systems. We appreciate the recognition of the students' needs and the willingness to move forward from Neighbors United, the Community Coalition for Science and Fitness, Historic Takoma, as well as the City of Takoma Park.

As discussed during the Conversations and in previous discussions, constructing on the parking lot on the campus' west side would require a tall building that would be expensive and impair teaching of math and science. Additionally, acquisition of the properties along Fenton Street today would not be fiscally prudent. Certainly, when it is necessary to expand the campus, the College will look to Silver Spring along Fenton Street—not Takoma Park—as stated in the FMP.

I delayed the July 1 start of the project to fully evaluate the feedback and to seek outside help to craft and analyze options to expedite the adjacent neighbors' preferred location—replacing Science South and Science North, Option 2.

The array of concerns—from the urgent need for modern facilities to compatibility issues—and the neighbors' recognition of the need to construct on the east campus gave me pause. So, to ensure the best decision, I delayed the project's start, though State and County funds were available to begin the design process on July 1. I resolved to take more time to better understand the feedback and to consider more fully how best to balance the needs of the students, neighbors, and fiscal discipline. To help with this effort, I directed staff to seek further analysis from an independent architecture firm.

The College engaged MCA Architecture, an experienced and respected firm, with the assistance of Forella Group, LLC, a well-regarded construction cost estimate firm that has worked with Montgomery County Public Schools and the University System of Maryland. They were tasked

to examine alternatives to implement Option 2 more quickly and with an understanding of the impact on our students, the neighbors, and the cost implications.

MCA Architecture and the Forella Group's independent analysis helped inform my decision.

Together with staff, I reviewed the report carefully and evaluated the options with these complex and interdependent variables in mind:

- Urgency of need for modern facilities
- Disruption to learning and the student experience during construction
- Disruption and construction impact on the neighborhoods
- Impact on enrollment
- Fiscal impact
- Impact on access to classes and timely degree attainment

In addition to these criteria, I feel strongly that the College stands as the guardian of our students' educational experience. As a result, while the architect's report contained six possibilities, four alternatives are ultimately not viable.

Several of these alternatives disrupt the learning and the student experience and would be disruptive to our adjacent neighbors. Enrollment and access would likely be negatively impacted if these options were pursued. All the options add to the costs, and none of the options truly address the urgency of the need for modern facilities, given the time required for new State approvals. Specifically:

- Use of trailer labs (Alternative 2 A)—Portable laboratories are cost prohibitive and would be disruptive for the adjacent neighbors.
- Send students to the Rockville Campus (Alternative 2 B)—The Rockville Campus is 200 percent over capacity; Rockville serves 16,000 students, but was designed for 8,000 students. Additionally, as a consequence, enrollment may be negatively impacted, and may put access at risk for many students who cannot easily get to this campus—an hour-and-a-half bus ride from Long Branch.
- Use of Montgomery County Public Schools (MCPS) labs (Alternative 2 C)—MCPS uses its labs during the day, so College classes could only be offered at night. Currently, two-thirds of TP/SS students attend daytime classes. Of the 178 science and math classes taught, 74 percent are offered during the day and only 23 percent at night in response to student demand. Many students juggle school, work, and family duties. Students may

be unable to change their schedules, forcing some students to delay degree-required courses, or stop out—thus, delaying their graduation and putting their completion at risk. Additionally, Montgomery Blair High School currently is over capacity and is utilizing portable classrooms. Other activities and athletic events frequently take place on the Blair campus at night, limiting parking lot and building use. Finally, the faculty and staff would have to transport our own educational tools, equipment, and lab materials, and prepare the classroom for high school use the next morning.

- Use of leased space labs (Alternative 2 D)—Finding and renting suitable, specifically space that could be renovated and outfitted for academic lab use, is complex and time consuming. This alternative is not fiscally prudent especially given its temporary nature.

Of the two principal options, I could consider the expedited Option 2 *if* the following happens this fall.

- The College's capital budget is not adversely affected.
- The County can provide the additional resources needed.
- The County Council can make the necessary budget adjustments this fall.
- The community understands that the construction time will be almost four years and that there is little capacity to adjust the building's height (four stories plus HVAC) at this location. Thus, the charrette process will focus on other design elements and affordable possibilities to reduce perceived height.

These are matters and decisions that would need to be made outside of the College, but would form a basis to make the option possible. I do have concerns with an expedited Option 2:

- This option still does not fully address the urgency of the need. Students would have to wait five to six years for complete access to modern classrooms and labs. While this is an improvement over the originally envisioned project with eight years to completion, it still requires more time to complete than Option 1.
- State plans would have to be revised, further delaying the project's start by as much as eight months.
- The construction period is longer and lengthens the disruption to the neighborhoods.
- This option costs \$92.4 million—a \$7 million increase to the approved budget.

All things considered, the most prudent course of action is to continue as planned with the replacement of Science South and Falcon Hall, Option 1.

63

Given the considerations laid out above, in the absence of additional resources, and with the imperative to use current capital funding to advance the project, I plan to continue to pursue Option 1 for the following reasons:

- This option is the least disruptive to the students—as students can stay on campus and be most easily served during construction under this option.
- Access and enrollment are least likely to be negatively impacted.
- It minimizes the disruption to the neighborhoods with the shortest construction time period of two to two-and-a-half years.
- It responds to the urgency of the need—students get in modern classrooms and labs sooner. The time to completion is four years. No further project delays will be incurred to revise State plans.
- It is the most fiscally prudent as it is the least expensive, has an approved \$85 million budget and State aid will stay on schedule.

Option 1 best balances student needs, the needs of the neighbors, and fiscal prudence.

**Make no mistake: I heard the concerns of our adjacent neighbors and others about modernizing facilities on the east campus and specifically along Takoma Avenue.**

I recognize our neighbors need greater certainty about the project now. The charrette process will enable the community to help the College shape the schematic design for the project. However, prior to the start of the charrette process, I will direct staff to take the following steps to be the basis of the building's final design and to mitigate the construction process.

Design directives

- Keep the current setback of Falcon Hall—no closer to Takoma Avenue than the existing Falcon Hall.
- Ensure the height is no more than two stories along Takoma Avenue—similar to Falcon Hall.
- Minimize windows along Takoma Avenue to reduce lighting impacts.
- Protect the park-like green space along Takoma Avenue.
- Locate height and rooftop air units away from Takoma Avenue nearer the campus interior.
- Maximize the building's width to lower height.
- Take advantage of topography to minimize perceived height.

- Hire an architect experienced with designing facilities in historic districts and residential neighborhoods to ensure the exterior respects the campus location.

Construction mitigation directives

- Craft and implement specific measures to protect adjacent neighbors' homes and the Belle Ziegler Park from construction activities. Seek strategies used by MCPS for construction mitigation in neighborhoods.
- Provide an onsite project manager to be available to the community.
- Provide a project "hotline" to respond to immediate community concerns.
- Park construction vehicles away from campus and neighborhoods.
- Craft a construction traffic management plan.
- Mitigate construction noise.

I also recognize that Option 1 does not respond to the desire of many pool users to keep the on-campus pool. But, enhancing student success is the imperative for me and the Board of Trustees. As I have said, the students' need for modern math and science classrooms and labs outweighs access to an on-campus pool. Other fitness activities will still be offered on campus.

In addition, we will seek access for students to the County's new South County Regional Recreation and Aquatic Center in downtown Silver Spring near the Metro station (just over one mile from campus.) The County expects this state-of-the-art facility to open in two years *before* construction begins on campus. We are committed to enriching the life of the community, as our mission calls us to do. As a result, we invite and welcome community members to use our facilities and participate in programs. However, student success must come first.

I have directed the staff to be ready when the time comes to facilitate the community's use of other nearby swim facilities or the new aquatic center in Silver Spring. We will continue to join the Mayor in calling for swim facilities in Takoma Park.

**I remain committed to community engagement including the design charrette process and the mandatory referral process to provide our neighbors a role in shaping the project.**

Further community engagement will help us ensure a quality exterior design that is respectful of the campus' location and mitigate the construction impact for neighbors.

The charrette process, led by the project architect, will enable stakeholders to engage in an iterative design and problem-solving process to provide input on the schematic building design.



During the process, the College will share schematic designs as they are drafted and evolve. Specifically, participants will shape design elements to lead to the final schematic design, including:

- mass and scale,
- exterior finishes and façade treatments,
- general aesthetics to complement the existing campus and surrounding neighborhoods,
- tree save and green space, and
- pedestrian, bicycle, and vehicle circulation.

Once the schematic design is complete—approximately 18 months—the College will submit it to Montgomery County Planning Board for review through the mandatory referral process, which includes additional opportunities for input. Additional community input will be sought as the College completes the design details and to share the construction timeline and mitigation strategies as they are developed.

We will also submit our storm water management and tree plans to the City of Takoma Park, as required.

**While there are more conversations to come, it is now time to move forward.**

I am grateful for the engagement by so many stakeholders—I have heard you and I hope you will see our efforts to participate in a community engagement process, especially the Community Conversations and our subsequent deliberations as a genuine effort to collaborate with the community on the future of this campus.

This endeavor built upon previous efforts to consult the community. As we began contemplation for the modern facilities, we reached out to the community for input, as we have done for past master plans and projects. In 2002, we signed a Memo of Understanding (MOU) with the City of Takoma Park, Montgomery County, and Historic Takoma to document our shared values and mutual responsibilities. Specifically, we agreed to, “consult with the community when making any major or substantial changes or alterations to existing structures on the campus.” Since then, we have consulted with the community on the Charlene R. Nunley Student Services Center, the Catherine F. Scott Commons Building, and the now award-winning Pavilion Three Building. More recently, the Campus hosted two community meetings in 2015 and Dr. Brad Stewart, vice president and provost, briefed the Takoma Park City Council in

January 2016 regarding the facilities master plan—well in advance of the design or construction of a specific project.

**So, I ask you to help me move this project forward and to work with me to get it right— join me to continue to balance the needs of students, neighbors, and fiscal prudence.**

With your support, we can bring modern facilities to this campus and enhance access to quality postsecondary education and opportunity for down-county residents.

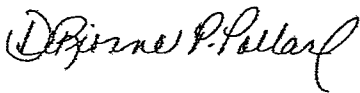
As I noted earlier, it is clear from the sum of all the feedback that there is agreement that the need for modern math and science facilities is real and urgent for this campus. For this I am grateful.

Our friends, neighbors, family members, and especially the recent graduates of Einstein, Montgomery Blair, Northwood, Springbrook, and Wheaton high schools need access to quality postsecondary education in their community at their community's college. Together, we can ensure that this campus can serve today's students, build the workforce of tomorrow, and help ensure a vibrant Silver Spring and Takoma Park in the years ahead.

It's been gratifying to work with so many impassioned and dedicated people. I count on your continued engagement as we forge ahead to bring modern math and science facilities to this campus and do so in a way that is responsive to the needs of our neighbors.

I hope you will join me to advance our shared mutuality to invest in the future of this campus, our community, and our County.

Sincerely,



DeRionne P. Pollard, PhD  
President



OFFICE OF THE PRESIDENT

October 19, 2017

The Honorable Kate Stewart  
City of Takoma Park  
7500 Maple Avenue  
Takoma Park, MD 20912

Dear Mayor Stewart:

I want to thank you and the members of the City staff who worked diligently to partner with the College over the last 18 months in community engagement efforts, especially the Community Conversations, regarding the future of Montgomery College's Takoma Park/Silver Spring Campus. I was gratified to hear from stakeholders—including you and our adjacent neighbors—of their commitment to the College's mission as well as support for quality facilities that make our mission real for students.

As you know, I sent a letter on Friday, September 29, 2017, to a wide variety of stakeholders—alumni, students, neighbors, and community leaders—that describes in detail our work and my deliberations about how best to proceed.

Based on our broad consultation with the community, our research into various options, and the needs of our students, I have determined that the most prudent course of action is to continue with our current \$85 million plan in the approved capital budget to replace Falcon Hall and the Science South Building—the plan that was endorsed by the County Council's Education Committee at its October 11 meeting. In moving forward in this manner, we will be responsive to the urgent need for modern facilities and balance the needs of our adjacent neighbors and fiscal prudence. To ensure this balance is achieved, I issued a list of specific design directives to my staff to address the neighbors' concerns with this option. Of particular interest, the directives specify that the new building would be no closer to existing homes than the current location of Falcon Hall. Additionally, the height of the new building would match the height of the existing Falcon Hall along Takoma Avenue and additional height would be interior to the campus. Below are the specific design and construction mitigation directives I issued to College staff. These will serve as the foundation of the building design and construction of the project to minimize perceived height.

Design directives

- Keep the current setback of Falcon Hall—no closer to Takoma Avenue than the existing Falcon Hall.
- Ensure the height is no more than two stories along Takoma Avenue—similar to Falcon Hall.
- Minimize windows along Takoma Avenue to reduce lighting impacts.
- Protect the park-like green space along Takoma Avenue.

68

- Locate height and rooftop air units away from Takoma Avenue nearer the campus interior.
- Maximize the building's width to lower height.
- Take advantage of topography to minimize perceived height.
- Hire an architect experienced with designing facilities in historic districts and residential neighborhoods to ensure the exterior respects the campus location.

#### Construction mitigation directives

- Craft and implement specific measures to protect adjacent neighbors' homes and the Belle Ziegler Park from construction activities. Seek strategies used by MCPS for construction mitigation in neighborhoods.
- Provide an onsite project manager to be available to the community.
- Provide a project "hotline" to respond to immediate community concerns.
- Park construction vehicles away from the campus and neighborhoods.
- Craft a construction traffic management plan.
- Mitigate construction noise.

Our neighbors will have a role in further shaping the project during a design charrette process with the project architect. The College will issue a request for proposals (RFP) no later than November 1 to hire the architect. We will seek a firm with experience in designing projects sensitive to the characteristics of residential neighborhoods and historic districts. The RFP process is time-consuming and is expected to take approximately five to six months to complete.

Once an architect is on board, the facilities team will brief the firm on the design and construction mitigation directives to make the challenge abundantly clear: provide modern math and science facilities to the campus while respecting the needs of our neighbors. My staff appreciates the importance of these directives and will work diligently to implement each of them as we committed both in the September 29 letter and again during the Education Committee discussion.

Nonetheless, I recognize questions and uncertainty remain as to how the College will construct a 134,600-square-foot building within these parameters. More specifics will unfold once the architect executes the charrette process next year. Again, we envision the charrette as an opportunity for stakeholders to work together with the architect to help shape the project in an iterative process in which schematic designs will be crafted, reviewed, and revised. Stakeholders will also have input during the mandatory referral process (MRP) and, again, subsequent to the MRP as the College finalizes the design of the project.

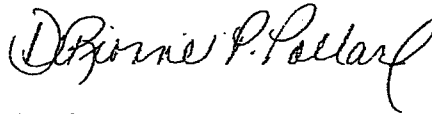
As we await the architect team, we may want to consider the establishment of the advisory committee I suggested more than a year ago. Such a group can help us ensure we do our best to be good neighbors and innovate strategies like the "cell phone lot" space in the garage to manage student drop-off and pick-up. Neighborhood concerns—beyond the design of the math and science building—can be voiced and resolved. In the course of time, the committee might provide opportunities for deeper connections with and in the City, richer engagement with College programs and interactions with our students.

So while there are more conversations to come, it is time to move forward. The need for modern facilities is urgent and real, as you know. The existing buildings are at 56 and 39 years of age. A replacement strategy has been in our facilities master plan for 13 years and envisioned during the deliberations about the campus expansion more than 20 years ago. Furthermore, the project to modernize our facilities first appeared in our capital budget 10 years ago.

The Honorable Kate Stewart  
October 19, 2017  
Page 3

As I said to the community, I am grateful for the insightful and compelling feedback from so many engaged neighbors and other stakeholders. In fact, I delayed the project's July 1 start date to pause and give serious consideration to our adjacent neighbors' concerns. Given this effort and the conversations to come, I am confident we can bring modern facilities to this campus to enhance access to quality postsecondary education and opportunity for down-county residents—and address the needs of our adjacent neighbors. Our collective contributions to this project will have a profound impact on the lives of our students for generations to come.

Sincerely,

A handwritten signature in black ink, reading "DeRionne P. Pollard". The signature is fluid and cursive, with the first name "DeRionne" being more prominent and the last name "Pollard" following in a similar style.

DeRionne P. Pollard, PhD  
President

Attachment