

RB23
Bowie State University – Capital
University System of Maryland

Capital Budget Summary

State-owned *Capital Improvement Program*
(\$ in Millions)

Projects	Prior Auth.	2021 Request	2022 Est.	2023 Est.	2024 Est.	2025 Est.	Beyond CIP
-----------------	--------------------	---------------------	------------------	------------------	------------------	------------------	-------------------

Communication Arts and Humanities Building	\$5.100	\$6.100	\$0.000	\$44.703	\$62.402	\$29.026	\$0.000
Total	\$5.100	\$6.100	\$0.000	\$44.703	\$62.402	\$29.026	\$0.000

Fund Source	Prior Auth.	2021 Request	2022 Est.	2023 Est.	2024 Est.	2025 Est.	Beyond CIP
--------------------	--------------------	---------------------	------------------	------------------	------------------	------------------	-------------------

GO Bonds	\$5.100	\$6.100	\$0.000	\$44.703	\$62.402	\$29.026	\$0.000
Total	\$5.100	\$6.100	\$0.000	\$44.703	\$62.402	\$29.026	\$0.000

CIP: *Capital Improvement Program*
GO: general obligation

Summary of Recommended Bond Actions

1. Communication Arts and Humanities Building
Approve \$6,100,000 in general obligation bonds.
2. SECTION 2 – Bowie State University – Natural Sciences Center
Approve deauthorization of \$3,500,000.

For further information contact: Ian M. Klein

Phone: (410) 946-5530

Summary of Updates

By fiscal 2028, academic support space will decrease in classroom, teaching laboratory, and research laboratory space. By fiscal 2028, only teaching laboratory and office space are projected to remain in academic support space surpluses.

Program Description

Communication Arts and Humanities Building

The fiscal 2021 capital budget includes \$6.1 million to continue the design of the Communication Arts and Humanities Building. Funding for the design began with \$5.1 million authorized in the 2019 session. The design contract is in the final stages of negotiation and is expected to be presented to the Board of Public Works at the April 1, 2020 meeting. The project schedule remains essentially unchanged from last year's *Capital Improvement Program (CIP)* with construction funding still programmed over fiscal 2023 through 2025. The total estimated cost for this project is \$147.3 million, an increase of \$7.3 million over the 2019 CIP attributable to higher construction market escalation rates used by the Department of Budget and Management and the Department of General Services in the cost estimating process for projects programmed in the annual CIP. The Department of Legislative Services (DLS) notes that in the 2020 CIP, the construction phase is not currently programmed to commence until the beginning of fiscal 2023. However, based on the schedule, construction could conceivably commence midway through fiscal 2022 were construction funds made available in fiscal 2022.

The existing Martin Luther King, Jr. Building, constructed in 1973, currently accommodates the departments of communications, English, modern languages, history and government, as well as the Reserve Officer Training Corps (ROTC). This building is functionally inadequate and poorly configured. The project scope includes the demolition of the Martin Luther King, Jr. Building at an estimated cost of \$1.56 million. Demolition construction costs could increase by \$200,000 to \$300,000 upon completion of a full hazmat impact; this information will be available in April 2020. The Martin Luther King, Jr. Building has two existing lecture halls and 22 general purpose classrooms. The average station size for the two lecture halls, 12.6 net assignable square feet (NASF), and classrooms, 13.6 NASF, is roughly half the NASF per student that the current space standards dictate for each of these spaces. The Martin Luther King, Jr. Building also does not meet current codes as several instructional spaces are not Americans with Disabilities Act accessible. In addition, the mechanical and electrical systems have exceeded their useful lives and are failing. The recommended service life for mechanical systems is 20 years, and due to the inadequate mechanical system building, users frequently complain about the of lack of cooling in the summer and heat in the winter.

Between fiscal 2014 and 2019, the number of full-time freshmen students has increased from 645 to 939, and there is insufficient space to offer general education requirements, all of which currently require the students to take courses in the Martin Luther King, Jr. Building. Larger classrooms with between 50 and 100 stations are needed for these courses. While the Martin Luther King, Jr. Building

broadly impacts the general student population, it directly negatively affects the Department of Communications, which has the highest enrollment in the College of Arts and Sciences and the third highest student enrollment at Bowie State University (BSU), by providing a substandard student learning experience for these students.

The new Communication Arts and Humanities Building will include multimedia classrooms, specialized laboratories, and media production facilities. The proposed building also incorporates information learning environments to provide space for small group interaction before and after classes. The project scope has also been modified to include a total of 4,485 NASF for the University's ROTC program. **Exhibit 1** provides the NASF of the new Communication Arts and Humanities Building.

Exhibit 1
Space by Classification Provided in the
Communication Arts and Humanities Building

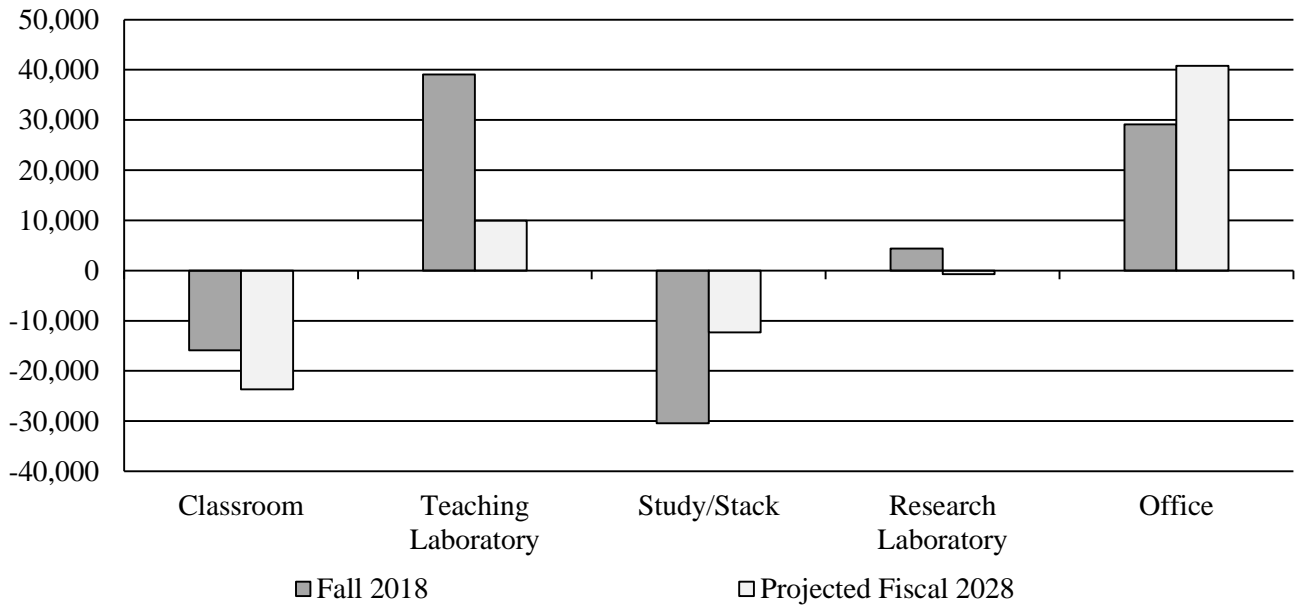
<u>Area</u>	<u>Net Square Footage</u>
Classroom	20,200
Class Laboratory/Storage	11,190
Open Laboratory	1,320
Office	23,080
Workroom/Storage	2,610
Conference Room	5,540
Study	5,020
Copy/Print Station	120
Media Production	2,550
Media Resource	5,670
Media Archives	1,000
Assembly	17,500
Assembly Support	1,700
Exhibition	160
Lounge	900
Lockers/Vending	680
Meeting Room	400
Computer	250
Physical Plant Workroom	300
Storage	2,400
Holding/Receiving	250
Total	102,840

Source: Department of Budget and Management, 2020 *Capital Improvement Program*

Updates

BSU provides an annual report that documents the surplus or deficiency of academic support space at the institution in NASF, or the sum of all areas on all floors of a building assigned to, or available for assignment to, an occupant or specific use. **Exhibit 2** provides the fiscal 2018 current space surplus or deficiency as well as the projected fiscal 2028 space surplus or deficiency projections.

Exhibit 2
Academic Space Deficit
Fall 2018 and Projected Fiscal 2028
Net Assignable Square Feet



Source: Maryland Higher Education Commission

Classroom and study/stack space are current in academic support space deficits and are projected to remain in deficits in fiscal 2028. Research laboratory, currently in a space surplus, is projected to fall to a space deficit in 2028. Teaching laboratory and office space are both currently in academic support space surpluses and are projected to remain in surpluses in fiscal 2028, with the surplus in teaching laboratory space decreasing and the office space surplus increasing. These space projections include the demolition of the Martin Luther King, Jr. Building and the construction of the new Communications Arts and Humanities Building. It should be noted that the space deficits are based on full-time undergraduate enrollment that increased by 11.8%, or 559 full-time equivalent students (FTES), and graduate FTES enrollment increasing by 14.3%, or 86 FTES. This level of enrollment growth by fiscal 2028 is reasonable given the total enrollment growth experienced by BSU in recent years.

Operating Budget Impact Statement

**Executive’s Operating Budget Impact Statement – State-owned Projects
Fiscal 2021-2025
(\$ in Millions)**

	2021	2022	2023	2024	2025
--	-------------	-------------	-------------	-------------	-------------

Project Name					
Communication Arts and Humanities Building	\$0.000	\$0.000	\$0.000	\$0.000	\$1.078
Estimated Staffing	\$0.00	\$0.00	\$0.00	\$0.00	\$2.00

The Communication Arts and Humanities Building will have operating budget impacts beginning in fiscal 2025. A majority of this increase will be the result of equipment and utility expenses to bring the building on line. Staffing is also expected to increase by 2 full-time equivalent (FTE) personnel in fiscal 2025, with staffing to grow to 5 FTE beyond fiscal 2025, as calculated by the ratio of 1 FTE per 40,000 gross square feet (GSF). When completed, the Communication Arts and Humanities Building’s total GSF will reach 184,000.

Deauthorizations

Exhibit 3 provides details on the deauthorizations for BSU.

**Exhibit 3
Deauthorizations
Fiscal 2022-2025**

<u>Project</u>	<u>Deauthorized Amount</u>	<u>Reason</u>
New Natural Sciences Center	\$3,500,000	Project Complete

Source: Department of Budget and Management, 2020 *Capital Improvement Program*

GO Bond Recommended Actions

1. Approve \$6.1 million in general obligation bond funds to complete planning for the Communication Arts and Humanities Building at Bowie State University.
2. Approve the deauthorization of \$3,500,000 in general obligation bonds appropriated in the Maryland Consolidated Capital Bond Loan of 2016 for the New Natural Sciences Center.