

## **Attachment I:**

# **Bowie State University Campus Facilities Master Plan**

## PROPOSED CAPITAL PROJECTS

### SINCE 2002

Since the time of the previous 2002-2012 Facilities Master Plan, dated June 2004, the University has undertaken several capital projects, several of which were identified in that plan. Those projects include the following:

#### State-Funded Projects

- Site Development Phase I: development of the primary quadrangles, open spaces, walkways, exterior wayfinding and street lighting
- Site Development Phase I: upgraded water service, increasing size, rate and flow
- New Computer Science Building
- Site Development Phase II: construction of parking lot E, 325 cars
- Site Development Phase II: completion of loop road west of Center for Business & Graduate Studies
- New Center for Business & Graduate Studies
- Replacement of campus main electrical switchgear
- Installation of new turf on stadium field
- Campus-wide storm water management plan and facilities, currently under construction
- Fine and Performing Arts Center, currently under construction
- Campus wide electrical upgrades currently in bidding phase
- Overall campus site improvements "Phases 1 and 2" including roadway, walkway, landscaping, site amenities, and utilities upgrades

#### Non-State-Funded Projects

- Goodloe House restoration
- Christa McAuliffe Residential Community
- Resident halls life safety upgrades
- Swimming pool renovation
- Resident halls bathrooms modernization
- Campus-wide technology upgrades

#### Facilities Renewal

- Classroom technology upgrades
- Energy Efficient interior lights upgrades
- Security system expansion including cameras
- Campus-wide fire alarm monitoring station and mass notification, currently in bidding phase
- Elevators modernization
- Re-roofing of campus buildings
- Chillers replacement

Acknowledging the aforesaid accomplishments over the past decade, the physical plant needs of the University have nonetheless continued to grow, as has its enrollment, requiring continued capital investment in buildings, site, and infrastructure, described below. More detailed descriptions of scope, schedule and cost will be developed in programs for each project.

## BUILDINGS

The University's needs for renovation and new construction are significant, both current and for the 10-year planning horizon. Major space deficits occur in the following space types: (order by magnitude) study, physical education, research labs and undergraduate labs, classrooms, and lounge space. The total 2019 space deficit is approximately 113,600 nasf / 210,000 gsf. For non-residential and non-parking facilities, the 2020 plan provides approximately 502,000 gsf of new space, addressing the deficits in the above space types. The loss of approximately 292,000 gsf through demolition results in a net gain of 210,000 gsf. Through 2030, total projected non-residential / non-parking facilities include approximately 364,000 renovation gsf and 944,000 gsf of new construction; proposed new residential buildings amount to 270,000 gsf for 900 students.

## SITE, INFRASTRUCTURE

Site improvements related to building projects such as utility work, storm water management, sediment & erosion control, grading, sidewalks, landscaping, and convenience parking and driveways, should be included in the scope of work for each project. Larger project and those which affect several buildings or are campus-wide, are expected to be undertaken as stand-alone capital projects. These include:

- Storm water management currently under construction
- Campus-wide electrical upgrades
- Campus-wide site improvements I and II
- Surface parking for new residence halls
- Athletic fields
- Surface parking and loop road reconfiguration at southwest corner of campus\*
- Continued upgrades to telecommunications network

\*Note: this will require land transfer from Maryland DOT back to BSU.

Recommended capital projects are shown on the *Proposed Capital Projects Summary* on the next page. A breakdown of projects to be implemented during the 0-5 year, 5-10 year, and 10-20 year planning periods with corresponding budget construction costs is included in Chapter 5, section G *Implementation*.

Proposed Capital Projects: Summary	
Project	Description
Fine and Performing Arts Center	New, 123,475 sf arts center replacing many functions currently housed in MLK, including a 350-seat theater
Storm Water Management	Continuation of storm water mitigation projects campus-wide
Campus-Wide Electrical Upgrades	Continuation of replacement of electrical feeders and equipment
Campus-Wide Site Improvements	Upgrades to pedestrian ways, roadways, parking, signage, and related infrastructure
Student Union	New 85,000 sf student center, including food service, bookstore, student offices, recreation areas, meeting spaces; replaces Wiseman Center
Steam Plant Renovation	Renovation of previous steam plant for public safety offices. Adds an internal second floor totaling 5,940 sf. Parking is adjacent; immediate access to loop road. Eliminates temporary storage facility.
McKeldin Gym Renovation	Renovation of 21,142 sf existing gym currently used for temporary public safety and physical education / practice gym.
Science Building	New 148,308 sf building to house sciences facilities, including biology, physics, chemistry, related lab sciences, classrooms, and offices
300-Bed Student Housing	New student housing, 90,000 sf over 6 floors, suite or apartment style units. 1 <sup>st</sup> of 3 new residence halls.
Surface Parking	300-car parking lot to serve residential units
Goodloe Apartments Renovation	Renovation of existing 24-unit 5,946 sf apartment building.
Temporary Offices	Temporary pre-fabricated mobile units to house faculty offices to be displaced upon demolition of MLK. 10,000 sf for 40-50 persons.
Humanities Building	New 60,000 sf academic building to be constructed after MLK demolition.
Thurgood Marshall Library Renovation	Comprehensive renovation of existing 166,869 sf library building for library/learning center and related support functions
Facilities Maintenance Building	New 35,000 sf facility to replace aging maintenance building which will be demolished to make way for new student housing. Pre-engineered building to include shops, storage, offices.
300-Bed Student Housing	New student housing, 90,000 sf over 6 floors, suite or apartment style units. 2 <sup>nd</sup> of 3 new residence halls.
Stadium Complex	New bleachers, lockers, training, offices, concessions, restrooms, and gateway control/ticketing facility, to serve football program. Allowance 40,000 sf.
Athletic Fields Improvements	Upgrades to track, soccer, practice fields, softball field, tennis courts, outdoor basketball courts; new practice field.
University Center West	New 100,000 sf facility for joint use by community and BSU, including competition basketball arena, lockers, training, fitness, assembly / meeting / convocation space, conference facilities, offices, classrooms, café/concessions
James Complex Renovation & Expansion	Comprehensive renovation to the existing 102,135 sf facility, for physical education / intramural / practice for basketball, volleyball, swimming, wrestling and other indoor activities, offices, weights, training, lockers, classrooms, ROTC facilities.
New Academic Building	New 70,000 sf academic building to house instructional space for academic programs, offices, and child care center.
CLT Building Partial Renovation	Estimated 30,000 sf renovation after space is vacated by education department
Robinson Hall Renovation	Comprehensive renovation to the existing 31,534 sf building, to house admissions, human resources, other offices, and classrooms
300-Bed Student Housing	New student housing, 90,000 sf over 6 floors, suite or apartment style units. 3 <sup>rd</sup> of 3 new residence halls.
Parking / Loop Road – SW Perimeter	Reconfigured loop road and parking after construction of new MARC station; provides for parking internal to the loop road.
Athletics Field House	New, 72,000 sf pre-engineered building to provide space for various indoor sports, including track, tennis, basketball, volleyball, soccer lockers, offices, fitness.





Bowie State University: Site Development Plan 0-5 years



Bowie State University: Site Development Plan 5-10 years



