

**TOPIC:** University System of Maryland: Review of Capital Improvement Projects

**COMMITTEE:** Finance

**DATE OF COMMITTEE MEETING:** March 29, 2018

**SUMMARY:** This report provides information on the status of capital improvement projects systemwide. Included are contract awards, completions, and detailed project schedules. The attached report reflects activity for the six-month period starting August 1, 2017 and ending January 31, 2018.

Highlights include:

- One design award (\$5.6 million)
- Eight construction awards (\$120.5 million) to Maryland firms
- Nine project completions (\$316.5 million)

**ALTERNATIVE(S):** This is an information item.

**FISCAL IMPACT:** This is an information item.

**CHANCELLOR'S RECOMMENDATION:** This is an information item.

---

COMMITTEE RECOMMENDATION:

DATE:

---

BOARD ACTION:

DATE:

---

SUBMITTED BY: Ellen Herbst (301) 445-1923

---

PROGRESS OF CAPITAL IMPROVEMENT PROJECTS  
(For the period ending  
January 31, 2018)

This report provides information on capital projects systemwide, excluding energy performance contracts. Projects are funded through a variety of sources: State capital and operating funds, including facilities renewal; internal funding through the System Funded Construction Program (SFCP); private funds; and federal grants. This report is a summary of contract awards, project completions and project schedules for the six-month period beginning August 1, 2017 and ending January 31, 2018. Only construction projects that are \$1 million, or greater, are included in this report.

ONGOING PROJECTS:

As of January 31, 2018, there are a total of 52 projects systemwide either pending design, or in design or construction, which are managed by the service centers.

CONTRACT AWARDS:

a. Design Awards

One design contract for \$5.6 million was awarded during the six-month period ending January 31, 2018.

UMES	School of Pharmacy and Health Professions, Ph 1	\$5,693,967
------	---	-------------

b. Construction Awards, Including Design/Build and Construction Management

Eight construction awards for a total of \$120.5 million were made during the six-month period ending January 31, 2018.

UMCP	New Cole Fieldhouse, Ph 2, Bid Pkgs. 4 and 5	\$46,574,203
UMCP	Animal Sciences Bldg., Wing 3, Air Handling Units	\$2,750,000
UMCP	School of Public Policy (pre-construction services)	\$170,280
UMCP	Dorchester Residence Hall, Bid Pkgs. 1 and 2	\$7,714,392
UMCP	Brendan Iribe Center, Bid Pkg. 6	\$12,853,204
TU	New Science Bldg., Bid Pkg. 1	\$25,443,782
UB	USPS Replacement Facility D/B, Bid Pkgs. 1 and 2	\$10,758,158
USMO	Biomed Sciences & Engineering Educ. Bldg. @ Shady Grove	\$14,244,105

PROJECT COMPLETIONS:

Nine projects for a total cost of \$316.5 million were completed in the six-month period ending January 31, 2018.

UMB	Howard Hall Heat Exchangers	\$1,800,000
UMCP	A. James Clark Hall (aka New Bioengineering Bldg.)	\$168,475,000
UMCP	ERC- Natatorium PoolPak Units Replacement	\$4,000,000
TU	Recreation Bldg., Ph 2 (Add'n to Burdick)	\$42,120,000
TU	Acoustical Improvements Ctr. for Arts Music Dept.	\$1,300,000
TU	Demolish and Replace Glen Towers Pedestrian Bridge	\$1,000,000
SU	Athletic Complex Renovation, Ph 2 thru 6	\$10,752,494
UMBC	Event Center and Arena	\$85,374,000
UMBC	Communications Tower Replacement	\$1,697,500

**PROJECT SCHEDULE:** The attached information includes schedules for ongoing activities in the FY2019 Capital Improvement Program and the FY2018 System Funded Construction Program.

**USM PROJECT STATUS REPORT ON MAJOR CONSTRUCTION PROJECTS AS OF JANUARY 31, 2018**

**STATE-FUNDED CIP PROJECTS  
SYSTEM-FUNDED NON-STATE/AUXILIARY PROJECTS**

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
UMB	<b>Health Sciences Facility III</b> <u>Architect:</u> Hellmuth, Obata & Kassabaum, DC with Design Collective of MD <u>Contractor:</u> Barton Malow Co., MD	1	305,392,000	State/NBF	5/12	CM-10/12	8/13	2/18	305,392,000	MCCBL 11, 12; 13; 14; 15, 16, 17; Cash	0.00
UMCP	<b>Cole Fieldhouse Conversion/Expansion</b> (aka Human Performance & Academic Research Facility) <u>Architect:</u> Cannon Design, MD <u>Contractor:</u> Gilbane, MD	2/3	195,700,000	State/NBF	6/15	CM-10/15	12/15	12/19	91,515,000	MCCBL 15, 16, 17; Cash	104,185,000
TU	<b>New Science Facility</b> <u>Architect:</u> Cannon Design, MD <u>Contractor:</u> Whiting Turner, MD	1	183,819,000	State/NBF	8/14	CM	10/17	8/20	47,850,000	MCCBL 12,16,17; Cash	135,969,000
USG	<b>Biomed Sc. &amp; Eng. Ed. Facility</b> <u>Architect:</u> Cooper Carry, Inc. of Georgia <u>Contractor:</u> Gilbane Bldg. Co., MD	1	162,481,000	State	5/14	CM	6/16	1/19	139,367,000	MCCBL 13, 14, 15, 16, 17	23,114,000
UMCP	<b>Brendan Iribe Ctr. for Computer Science</b> <u>Architect:</u> HDR Architecture, MD <u>Contractor:</u> Whiting Turner, MD	1	152,250,000	State/NBF	1/15	CM	6/16	8/18	145,450,000	Cash; MCCBL 16, 17	6,800,000
UMBC	<b>Interdisciplinary Life Sc. Bldg.</b> <u>Architect:</u> Ballinger, PA <u>Contractor:</u> Whiting Turner, MD	1	124,747,000	State	4/15	CM- 4/15	5/17	4/19	57,989,000	MCCBL 14, 15, 16, 17	66,758,000
TU	<b>Union Addition/Renovation</b> <u>Architect:</u> Design Collective, MD <u>Contractor:</u> Barton Mallow, MD	2/3	108,770,000	SFCP	12/16	CM	10/18	8/20-Add'n 8/21-Renov	47,670,000	38th, 39th Bond Resolutions	61,100,000
UMCP	<b>New Residence Hall (900 beds)</b>	1	97,000,000	SFCP	2/18	D/B	9/18	4/20	23,500,000	39th Bond Resolution	73,500,000

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
UMES	School of Pharmacy and Allied Health	1	86,351,000	State	9/17	CM	1/20	1/22	6,548,000	MCCBL16, 17	79,803,000
FSU	Education and Health Sciences Center	1	83,185,000	State	6/18	CM	8/20	8/22	3,500,000	MCCBL16, 17	79,685,000
USM	Southern MD Regional HEC <i>Architect: Cooper Cary Inc., GA</i>	1	81,961,000	State/NBF	8/16	CM	6/18	5/20	7,261,000	MCCBL 13,14,15,16; Cash	74,700,000
UMB	Central Electric Substation and Electrical Infrastructure Upgrades <i>Engineer: RMF Engineering, Inc., MD</i>	5	78,951,000	State	3/17	GC/CM	7/18	1/26	6,890,000	MCCBL16:17	72,061,000
UMCP	School of Public Policy Bldg. <i>Architect: Leo Daly, DC</i> <i>Contractor: J. Vinton Schafer, MD</i>	1	45,000,000	State/NBF	6/17	CM	6/18	6/20	3,360,000	Cash, MCCBL 17	41,640,000
CSU	Percy Julian Bldg. Renovation for the College of Business	3	43,231,000	State	11/18	CM	11/20	7/22	1,336,000	MCCBL 17	41,895,000
UMCP	Replace North Dining Hall	3	36,750,000	SFCP	2/18	D/B	9/18	4/20	2,000,000	39th Bond Resolution	34,750,000
FSU	New Residence Hall	1	36,580,000	SFCP	5/17	D/B	7/18	3/20	3,698,000	Cash	32,882,000
TU	Residence Tower Renovation <i>Architect: Design Collective, MD</i> <i>Contractor: Turner Construction, MD</i>	3	33,860,000	SFCP	7/15	CM- 10/15	11/16	3/18	33,860,000	37th, 38th, 39th Bond Resolutions, Cash	0.00

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
UB	<b>Langsdale Library Renovation</b> <u>Architect: Behnisch Architekten, Boston</u> <u>Contractor: Plano-Coudon, MD</u>	3	23,825,000	State/NBF	6/14	CM	6/16	4/18	23,825,000	MCCBL 13,14,16; 17; Cash	0.00
UB	<b>Replace USPS Maintenance Facility</b> <u>Contractor: Whiting Turner, MD</u>	3	13,180,000	SFCP	8/15	D/B	9/17	7/18	13,180,000	Cash	0.00
UMCP	<b>Dorchester Residence Hall Renovation</b> <u>Architect: RCG, MD</u> <u>Contractor: Quandel/J. Vinton Schafer, MD</u>	3	10,300,000	SFCP	8/16	On-Call CM	12/17	7/18	10,300,000	38th Bond Resolution	0.00
UMCP	<b>School of Public Health Labs and Studios Renovation</b>	3	9,210,835	SFCP	8/16	CM	2/18	9/18	9,210,835	Cash	0.00
TU	<b>Glen Dining Hall Renovation</b>	3	8,800,000	SFCP	1/18	GC	1/19	1/20	8,800,000	Cash	0.00
SU	<b>Severn Hall Architectural Renovation</b> <u>Architect: Ayers St. Gross, MD</u>	3	8,000,000	SFCP	8/16	GC	2/18	8/18	8,000,000	Cash/Bonds	0.00
UMCP	<b>HJP Wing 2 Mech Rm.</b> (part of Campuswide Bldg. System and Infrastructure Improvements) <u>Architect: Design Collective, MD</u> <u>Contractor: J. Vinton Schafer, MD</u>	5	6,600,000	State	11/15	CM-12/15	6/18	5/19	6,000,000	MCCBL 14; FR	600,000
BSU	<b>Marshall Library HVAC Improvements, Ph 1</b>	5	4,900,000	SFCP	3/18	TBD	10/18	12/19	4,900,000	Cash	0.00
TU	<b>Glen Plaza Renovation</b>	5	4,400,000	SFCP	8/18	TBD	5/20	7/21	4,400,000	Cash	0.00

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
SU	<b>3D Arts Building Renovation</b>	3	4,400,000	SFCP	3/18	GC	12/18	8/19	4,400,000	Cash	0.00
UMB	<b>Elevator/Fire Alarm Improve. in Various Garages</b> (including Pearl St. Garage) <b>Architect:</b> UMB in-house design <b>Contractor(s):</b> Maranto & Sons, QSS, Brawer Builders, Emjay of MD	3	4,130,000	SFCP	7/13	GC, D/B	1/14	1/19	4,130,000	35th Bond Resolution	0.00
UMCP	<b>Main Administration South Wing Renovation, 1st &amp; 2nd Flrs.</b> <b>Architect:</b> Marshall Craft Assoc., MD <b>Contractor:</b> Kinsley Construction, PA	3	4,056,146	SFCP	1/14	On call CM	1/17	2/18	4,056,146	FR, Cash	0.00
UMB	<b>HSFIII Generator</b> <b>Architect:</b> HOK w/Design Collective <b>Contractor:</b> Barton Malow of MD	5	4,000,000	SFCP	4/14	CM	11/16	2/18	4,000,000	Cash	0.00
UMB	<b>620 West Lexington St., 6th Fl Renovation for Facilities Mgmt. Offices</b> <b>Contractor:</b> North Point Builders, MD	3	4,000,000	SFCP	7/17	D/B	7/17	3/18	4,000,000	Cash	0.00
BSU	<b>New Parking Lot (400 cars)</b> <b>Architect:</b> WBCM, Maryland	5	3,500,000	SFCP	2/18	TBD	1/19	9/19	3,500,000	Cash	0.00
UMCP	<b>Animal Sciences Wing 3 Replace Air Handlers</b> (part of Campuswide Infrastructure Improvements) <b>Architect:</b> Kibart, MD <b>Contractor:</b> Maryland Mechanical, Inc.	5	3,400,000	State	9/16	On-Call GC	10/17	9/18	3,400,000	MCCBL 13, 14	0.00
UMBC	<b>Stadium Improvements</b>	4	3,200,000	SFCP	5/18	CM	4/19	2/20	3,200,000	Cash	0.00

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
UMB	<b>Howard Hall/Bressler Research Bldg. Substation</b> <b>Engineer: RMF Engineering, MD</b>	5	3,000,000	SFCP	8/17	GC	1/19	9/20	3,000,000	Cash	0.00
UMB	<b>Health Sciences Facility I - Cooling Tower Replacement</b> <b>Engineer: MS Engineering, MD</b> <b>Contractor: Emjay Engineering, MD</b>	5	2,900,000	State/NBF	6/14	GC	3/17	9/18	2,900,000	CFR/Cash	0.00
UMCP	<b>Chemistry Wing 2 AHU Replacement</b>	5	2,500,000	SFCP	6/17	GC	4/18	9/18	2,500,000	Cash	0.00
UMCP	<b>CASL Replacement Two Chillers</b>	5	2,308,160	SFCP	7/17	GC	2/18	5/18	2,308,160	Cash	0.00
UMB	<b>Emergency Exit Upgrades</b>	5	2,300,000	SFCP	4/18	In House	7/18	2/21	2,300,000	Cash	0.00
UMB	<b>Howard Hall Exhaust System</b> <b>Architect: BKM of MD</b>	5	2,000,000	SFCP	4/18	GC	7/18	8/19	2,000,000	Cash	0.00
UMCP	<b>CASL 2 Chiller Replacement</b>	5	1,908,160	SFCP	7/17	On-Call GC	12/17	5/18	1,908,160	Cash	0.00
UMB	<b>Bressler Research Bldg. - 9th Fl. Renovation</b> <b>Architect: UMB In-house design</b> <b>Contractor: Emjay Engineering, MD</b>	3	1,900,000	SFCP	6/16	GC	3/17	4/18	1,900,000	Cash	0.00
UMCP	<b>Mitchell Infrastructure Renovation</b>	5	1,832,000	SFCP	11/15	TBD	8/18	3/19	1,091,500	FR	740,500

Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements
UMB	<b>108 N. Greene Street Chiller Replacement</b>	5	1,800,000	SFCP	8/18	D/B	9/18	12/19	1,800,000	Cash	0.00
UMCP	<b>Mowatt and Union Lane Garages Renovation</b>	5	1,770,000	SFCP	4/18	D/B	5/18	8/18	1,100,000	Cash	670,000
UMCP	<b>Relocate Tennis Courts (Cole spin off project)</b> <i>Architect: Wallace Montgomery &amp; Associates, MD</i>	3	1,650,000	State	7/15	GC	7/17	11/17	1,650,000	Cole Spin Off Project, Cash	0.00
UMCP	<b>Campus Creek Restoration</b> <i>Architect: A. Morton Thomas, MD</i> <i>Contractor: Meadville Land Services, Inc., PA</i>	5	1,495,000	State; Grant; NBF	6/15	TBD	6/18	10/18	1,495,000	Cash; FR	0.00
UMB	<b>Biomedical Research Bldg. Air Handler</b> <i>Contractor: Min Engineering, MD</i>	5	1,400,000	SFCP	10/17	GC	9/18	7/19	1,400,000	Cash	0.00
UMB	<b>Medical School Teaching Facility - Replace Condensate Removal System</b> <i>Engineer: RMF Engineering, MD</i> <i>Contractor: Emjay, MD</i>	5	1,400,000	SFCP	8/16	GC	9/17	6/18	1,400,000	Cash	0.00
UMB	<b>HS/HSL Cooling Tower Replacement</b> <i>Architect: RMF Engineering, MD</i> <i>Contractor: Boland, MD</i>	5	1,400,000	SFCP	6/17	GC	3/18	5/19	1,400,000	Cash	0.00



Institution	Project	Code	Estimated Total Cost	Budget Designation	Design Start	Delivery Method	Construction Start	Substantial Completion	Total Appropriations To-Date	Funding Source	Future Funding Requirements	
UMB	<b>737 Lombard St. Elevator Replacement</b> <i>Consultant: Ashland Industrial</i> <i>Contractor: Delaware Elevator</i>	5	1,200,000	SFCP	9/16	GC	7/17	9/18	1,200,000	Cash	0.00	
UMB	<b>School of Pharmacy HVAC Fan Coil Units/Heating &amp; Cooling Piping Replacement</b> <i>Architect: Burdette Koelher, Murphy &amp; Associates, MD</i>	5	1,200,000	SFCP	1/18	GC	1/19	7/20	1,200,000	Cash	0.00	
Total Program (State and non-State/ Auxiliary)			\$2,009,893,301	Estimated Economic Impact (full-time jobs):				7,537	Jobs supported by the capital program per DBM formula of 7.5 FTE direct (construction-related) jobs per \$1M investment divided by a rough average duration of construction from award through completion of 2 years			

Codes: 1 New facility  
2 Addition/Expansion/Extension  
3 Renovation or Replacement  
4 Alterations and Addition  
5 Infrastructure

Total cost:  
Start design:  
Construction Start:  
Completion:

Total estimated project cost including planning, construction & equipment.  
Date of BPW approval of architect/engineer.  
Date of BPW approval of contractor.  
Date of substantial completion/beneficial occupancy.

CM = Construction Management  
D/B = Design/Build  
GC = General Contractor  
OCGC = On-Call General Contractor

KEY NBF = Non-budgeted funds; MCCBL = State General Obligation Bonds; AFBA = Academic Revenue Bonds (approved by State); FR = Facilities Renewal  
USM Bonds = USM Auxiliary Revenue Bonds; CASH = Institutional funding, including cash and plant funds