

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

**COMMITTEE:** Finance

**DATE OF COMMITTEE MEETING:** March 30, 2017

**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, 2016 and ending January 31, 2017.

Highlights include:

- Two design awards (\$14.9 million)
- Twelve construction awards (\$140.1 million) to Maryland firms
- Nine project completions (\$180.1 million)

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

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

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

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COMMITTEE RECOMMENDATION:

DATE:

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BOARD ACTION:

DATE:

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SUBMITTED BY: Joseph F. Vivona (301) 445-1923

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PROGRESS OF CAPITAL IMPROVEMENT PROJECTS  
(For the period ending  
January 31, 2017)

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, 2016 and ending January 31, 2017. Only construction projects that are \$1 million, or greater, are included in this report.

ONGOING PROJECTS:

As of January 31, 2017, there are a total of 44 projects systemwide either pending design, or in design or construction, which are managed by the service centers.

CONTRACT AWARDS:

a. Design Awards

Two design contracts for a total of \$14.9 million were awarded for the six-month period ending January 31, 2017.

TU	Union Bldg. Expansion and Renovation	\$8,428,492
USMO	Southern Maryland Higher Education Center Classroom and Engineering Bldg.	\$6,519,206

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

Twelve construction awards for a total of \$140.1 million were made during the six-month period ending January 31, 2017.

UMB	Pearl Street Garage Elevator Replacement	\$1,259,525
UMCP	Brendan Iribe Center for Computer Science and Innovation	\$75,419,339
UMCP	Dorchester Residence Hall Renovation (pre-construction services)	\$111,437
UMCP	Eppley Natatorium Pool MEP Systems Replacement (pre-construction)	\$821,200
TU	Demolish and Replace Glen Towers Pedestrian Bridge	\$1,512,848
TU	Residence Tower Renovation	\$27,075,861
TU	East Campus Athletic Stadium and Athletic Complex Renovations	\$6,030,256
TU	University Union Expansion and Renovation (pre-construction services)	\$450,000
UB	Langsdale Library Renovation	\$12,036,855
UMUC	Administration Bldg. First Floor Renovation	\$2,749,747
UMBC	Sherman Hall Renovation	\$1,042,194
USMO	Biomedical Sciences and Engineering Education Bldg. at Shady Grove	\$11,565,964

PROJECT COMPLETIONS:

Nine projects for a total cost of \$180.1 million were completed in the six-month period ending January 31, 2017.

UMCP	McKeldin Mall Infrastructure/Storm Drainage	\$3,000,000
UMCP	HJ Patterson, Wing 1 Renovation	\$18,567,530
UMCP	School of Public Health Labs and Studio Renovations	\$3,285,835
UMCP	Jimenez Mods & Upgrade of HVAC System	\$2,859,576
TU	Newell Dining Hall Renovation	\$4,000,000
TU	Burkshire Elevators	\$5,000,000
SU	Academic Commons (New Library)	\$117,088,000
SU	Athletic Complex Renovation: Softball Field	\$3,624,941
UMBC	Residential/Community Renovations: West Hill Apts.	\$22,700,000

**PROJECT SCHEDULE:** The attached information includes schedules for ongoing activities in the FY2018 Capital Improvement Program and the FY2017 System Funded Construction Program.

**USM PROJECT STATUS REPORT ON MAJOR CONSTRUCTION PROJECTS AS OF JANUARY 31, 2017**

**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	9/17	291,992,000	MCCBL 11, 12; 13; 14; 15, 16; Cash	13,400,000
TU	<b>New Science Facility</b> <u>Architect:</u> Cannon Design, MD <u>Contractor:</u> Whiting Turner, MD	1	183,819,000	State	8/14	CM	10/17	6/20	11,850,000	MCCBL 12,16	171,969,000
UMCP	<b>New Bioengineering Bldg.</b> (aka A. James Clark Hall) <u>Architect:</u> Ballinger of PA <u>Contractor:</u> Clark Construction, MD	1	168,475,000	State/NBF	4/13	CM- 1/15	6/15	6/17	134,415,000	MCCBL 12, 13, 14; 15, 16; AFBA 15, 16; Cash	34,060,000
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	11/18	50,716,000	MCCBL 13, 14, 15, 16	111,765,000
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	155,000,000	State/NBF	6/15	CM-10/15	12/15	12/18	65,825,000	MCCBL 15, 16; Cash	89,175,000
UMCP	<b>Brendan Iribe Ctr. for Computer Science</b> <u>Architect:</u> HDR Architecture, MD <u>Contractor:</u> Whiting Turner, MD	1	142,550,000	State/NBF	1/15	CM	6/16	6/18	65,000,000	Cash; MCCBL 16	77,550,000
UMBC	<b>Interdisciplinary Life Sc. Bldg.</b> <u>Architect:</u> Ballinger, PA <u>Contractor:</u> Whiting Turner, MD	1	122,488,000	State	4/15	CM- 4/15	5/17	4/19	17,740,000	MCCBL 14, 15, 16	104,748,000

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
UMCP	<b>Edward St. John Learning &amp; Teaching Ctr.</b> <b>Architect: Ayers St. Gross of MD</b> <b>Contractor: Clark Construction Group of MD</b>	2/3	119,155,688	State/NBF	7/12	CM	6/14	3/17	119,155,688	MCCBL 12,13, 14, 15, 16; Cash	0.00
TU	<b>Union Addition/Renovation</b> <b>Architect: Design Collective, MD</b> <b>Contractor: Barton Mallow, MD</b>	2/3	108,770,000	SFCP	12/16	CM	8/18	7/20-Add'n 4/21-Renov	8,670,000	38th Bond Resolution	100,100,000
BSU	<b>Natural Sciences Bldg.</b> <b>Architect: Perkins and Will of GA</b> <b>Contractor: Clark Construction, MD</b>	1	102,171,000	State	4/13	CM	3/15	3/17	102,171,000	MCCBL 12,13,14,15,16	0.00
UMES	<b>School of Pharmacy and Allied Health</b>	1	86,185,000	State	9/17	CM	10/19	9/21	3,500,000	MCCBL16	82,685,000
UMBC	<b>Event Center and Arena</b> <b>Architect: Cannon Design, MD</b> <b>Contractor: Barton Malow, MD</b>	1	85,374,000	SFCP	7/14	CM	12/15	11/17	74,374,000	36th, 37th, 38th Bond Resolution and Cash	11,000,000
FSU	<b>Education Professions and Health Sciences Center</b>	1	83,185,000	State	7/17	CM	7/19	7/21	2,500,000	MCCBL16	80,685,000
USM	<b>Southern MD Regional HEC</b> <b>Architect: Cooper Cary Inc., GA</b>	1	81,961,000	State/NBF	8/16	CM	11/18	10/20	7,261,000	MCCBL 13,14,15,16; Cash	74,700,000
UMB	<b>Central Electric Substation and Electrical Infrastructure Upgrades</b>	5	79,412,000	State	9/16	GC/CM	7/18	1/26	4,000,000	MCCBL16	75,412,000
UMCP	<b>School of Public Policy Bldg.</b>	1	46,150,000	State/NBF	4/17	CM	4/18	12/19	947,000	Cash	45,203,000
TU	<b>Recreation Bldg., Ph 2 (Add'n to Burdick Hall)</b> <b>Architect: 360 Architecture, Inc., Kansas City, MO</b>	2	42,120,000	SFCP	4/14	CM	8/15	11/17	40,520,000	35th, 36th, 37th Bond Resolutions	1,600,000

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
TU	<b>Residence Tower Renovation</b> <u>Architect: Design Collective, MD</u> <u>Contractor: Turner Construction, MD</u>	3	33,860,000	SFCP	7/15	CM- 10/15	11/16	12/17	22,560,000	37th, 38th Bond Resolution	11,300,000
FSU	<b>New Residence Hall</b>	1	32,580,000	SFCP	5/17	D/B	6/18	11/19	1,500,000	Cash/Bonds	31,080,000
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	12/17	17,075,000	MCCBL 13,14,16; Cash	6,750,000
SU	<b>Athletic Complex Renovation (multi-phased)</b> <u>Architect: GWWO, Inc. of MD</u> <u>Contractor: Whiting Turner, MD</u>	3	18,900,000	SFCP	4/14	CM	9/15	8/17-Soccer & IM Fields; 1/18-Grounds Bldg.	13,900,000	Cash	5,000,000
UMCP	<b>Dorchester Residence Hall Renovation</b> <u>Architect: RCG, MD</u> <u>Contractor: Quandt/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
UB	<b>Replace USPS Maintenance Facility</b> <u>Contractor: Whiting Turner, MD</u>	3	8,800,000	SFCP	8/15	D/B	9/17	5/18	848,707	Cash	7,951,293
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	1/18	12/18	6,000,000	MCCBL 14; FR	600,000
FSU	<b>Public Safety Facility</b> <u>Architect: Design Collective, MD</u> <u>Contractor: Harbel Inc., MD</u>	3	5,505,000	State	8/14	GC	3/16	2/17	5,505,000	MCCBL 14, 15	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>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, MD	3	4,130,000	SFCP	7/13	GC, D/B	1/14	1/18	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	4,000,000	SFCP	1/14	On call CM	1/17	9/17	4,000,000	FR, Cash	0.00
SU	<b>Severn Hall Architectural Renovation</b> <b>Architect:</b> Ayers St. Gross, MD	3	4,000,000	SFCP	8/16	GC	5/17	11/17	4,000,000	Cash/Bonds	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	9/17	4,000,000	Cash	0.00
UMB	<b>620 West Lexington St., 6th Fl Renovation for Facilities Mgmt. Offices</b>	3	4,000,000	SFCP	3/17	D/B	3/17	2/18	4,000,000	Cash	0.00
UMCP	<b>ERC-Natatorium PoolPak Units Replacement</b> <b>Architect:</b> UMCP Service Center In House Design <b>Contractor:</b> Plano Coudon, MD	3	4,000,000	State	9/15	GC	3/17	8/17	4,000,000	FR/Cash	0.00
BSU	<b>James Gym HVAC Improvements, Ph 2</b> <b>Contractor:</b> Rich Moe Enterprises, MD	3	4,000,000	State/NBF		GC	11/15	3/17	4,000,000	MCCBL 13; AFBA; Cash	0.00
UMUC	<b>Administration Building Renovation - First Floor</b> <b>Architect:</b> Little Diversified Arch. <b>Contractor:</b> Kalmia Construction, MD	3	4,000,000	NBF		CM	12/16	4/17	4,000,000	Cash	0.00

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UMCP	<b>McKeldin Mall Landscape Renewal</b> <b>Architect: Mahan Rykiel Associates, MD</b> <b>Contractor: J. Vinton Schafer, MD</b>	5	3,000,000	SFCP	5/14	CM	TBD	TBD	3,000,000	Cash	0.00
UMB	<b>Health Sciences Facility I - Cooling Tower Replacement</b> <b>Engineer: MS Engineering</b>	5	2,900,000	State/NBF	6/14	GC	3/17	9/17	2,900,000	CFR/Cash	0.00
CSU	<b>Pedestrian Bridge ADA Improve.</b> <b>Architect: Cho Benn Holbeck</b> <b>Contractor: Jeffrey Brown Contracting, MD</b>	3	2,631,433	State	1/14	GC	8/15	3/17	2,631,433	MCCBL 13; Grants	0.00
UMBC	<b>Sherman Hall Renovation</b> <b>Contractor: J. Vinton Schafer, MD</b>	3	2,500,000	SFCP	10/15	CM	5/16	4/17	2,500,000	Cash/Bonds	0.00
UMB	<b>Health Sciences &amp; Human Services Emergency Generator</b> <b>Engineer: RMF Engineering</b> <b>Contractor: North Point Builders, MD</b>	5	2,300,000	State/NBF	4/15	GC	4/16	3/17	2,300,000	CFR/Cash	0.00
UMCP	<b>Campus Creek Restoration</b> <b>Architect: A. Morton Thomas, MD</b>	5	1,995,000	State; Grant; NBF	6/15	TBD	3/18	7/18	1,995,000	Cash; FR	0.00
UMBC	<b>Replacement of Communication Tower</b> <b>Architect: Carroll Engineering, MD</b> <b>Contractor: Schaefer Construction, MD and Sabre Systems, MD</b>	5	1,697,500	SFCP	6/13	D/B	9/14	7/17	1,697,500	33rd Bond Resolution, Cash	0.00
UMCP	<b>Relocate Tennis Courts (Cole spin off project)</b> <b>Architect: Wallace Montgomery &amp; Associates, MD</b>	3	1,650,000	State	7/15	GC	5/17	9/17	1,650,000	Cole Spin Off Project 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	
TU	<b>Demolish and Replace Glen Towers Pedestrian Bridge</b> <b>Contractor: Emjay Engineering, MD</b>	5	1,512,848	SFCP		GC	4/17	8/17	1,512,848	Cash	0.00	
UMCP	<b>Main Administration Chiller &amp; Cooling Tower</b> <b>Architect: Whitman Requardt, MD</b> <b>Contractor: M&amp;E Sales, Inc.</b>	5	1,250,000	SFCP	2/16	On Call Contractor	9/16	3/17	1,250,000	FR	0.00	
UMB	<b>737 Lombard St. Elevator Replacement</b>	5	1,200,000	SFCP	9/16	GC	7/17	6/18	1,200,000	Cash	0.00	
Total Program (State and non-State/ Auxiliary)			\$2,269,825,469	Estimated Economic Impact (full-time jobs):				8,512	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: Total estimated project cost including planning, construction & equipment.  
Start design: Date of BPW approval of architect/engineer.  
Construction Start: Date of BPW approval of contractor.  
Completion: 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