

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

**COMMITTEE:** Finance

**DATE OF COMMITTEE MEETING:** September 7, 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 February 1, 2017 and ending July 31, 2017.

Highlights include:

- Three design awards (\$6.8 million)
- Nine construction awards (\$60.8 million) to Maryland firms
- Nine project completions (\$243.5 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  
July 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 February 1, 2017 and ending July 31, 2017. Only construction projects that are \$1 million, or greater, are included in this report.

ONGOING PROJECTS:

As of July 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

Three design contracts for a total of \$6.8 million were awarded for the six-month period ending July 31, 2017.

UMB	Campus Electrical Distribution	\$1,175,635
UMCP	Public Policy Bldg.	\$3,807,793
FSU	New Residence Hall	\$1,832,000

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

Nine construction awards for a total of \$60.8 million were made during the six-month period ending July 31, 2017.

UMB	Health Sciences Facility I Cooling Tower Replacement	\$2,659,000
UMB	Bressler Research Bldg. 9th Floor Renovation of cGMP Lab	\$1,435,725
UMCP	Install Cummins Generator, Atlantic Bldg. (campuswide infrastructure improvements.)	\$3,150,000
UMCP	Brendan Iribe Center, Bid Pkg. 4 and 5	\$35,377,548
UMCP	Epley Natatorium Pool System Replacement	\$2,290,414
UMCP	Engineering Lab Bldg. Lab & Office Renovation	\$1,898,970
TU	Acoustical Improvements Ctr. For Arts Music Dept.	\$1,166,767
UMBC	Interdisciplinary Life Sciences Bldg.	\$12,681,561
USMO	Southern Maryland Higher Education Center (pre-construction services)	\$195,000

PROJECT COMPLETIONS:

Nine projects for a total cost of \$243.5 million were completed in the six-month period ending July 31, 2017.

UMB	Health Sciences/Human Services Emergency Generator	\$2,300,000
UMCP	Edward St. John Learning and Teaching Ctr.	\$119,155,688
UMCP	Main Administration Chiller/Coolin Tower	\$1,250,000
BSU	Natural Sciences Bldg.	\$102,171,000
BSU	James Gym HVAC Improvements	\$4,000,000
FSU	Public Safety Facility	\$5,505,000
CSU	Pedestrian Bridge ADA Improvements	\$2,631,433
UMUC	Administration Bldg. Renovation - 1st Floor	\$4,000,000
UMBC	Sherman Hall Renovation	\$2,500,000

**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 JULY 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: Hellmuth, Obata &amp; Kassabaum, DC with Design Collective of MD</u> <u>Contractor: Barton Malow Co., MD</u>	1	305,392,000	State/NBF	5/12	CM-10/12	8/13	9/17	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: Cannon Design, MD</u> <u>Contractor: Gilbane, MD</u>	2/3	195,700,000	State/NBF	6/15	CM-10/15	12/15	12/18	91,515,000	MCCBL 15, 16, 17; Cash	104,185,000
TU	<b>New Science Facility</b> <u>Architect: Cannon Design, MD</u> <u>Contractor: Whiting Turner, MD</u>	1	183,819,000	State/NBF	8/14	CM	10/17	8/20	47,850,000	MCCBL 12,16,17; Cash	135,969,000
UMCP	<b>New Bioengineering Bldg.</b> (aka A. James Clark Hall) <u>Architect: Ballinger of PA</u> <u>Contractor: Clark Construction, MD</u>	1	168,475,000	State/NBF	4/13	CM- 1/15	6/15	9/17	164,867,000	MCCBL 12, 13, 14; 15, 16; AFBA 15, 16, 17; Cash	3,608,000
USG	<b>Biomed Sc. &amp; Eng. Ed. Facility</b> <u>Architect: Cooper Carry, Inc. of Georgia</u> <u>Contractor: Gilbane Bldg. Co., MD</u>	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: HDR Architecture, MD</u> <u>Contractor: Whiting Turner, MD</u>	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: Ballinger, PA</u> <u>Contractor: Whiting Turner, MD</u>	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

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>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	10/18	8/20-Add'n 8/21-Renov	47,670,000	38th, 39th Bond Resolutions	61,100,000
UMES	<b>School of Pharmacy and Allied Health</b>	1	86,351,000	State	9/17	CM	10/19	9/21	6,548,000	MCCBL16, 17	79,803,000
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	85,374,000	36th, 37th, 38th, 39th Bond Resolution and Cash	0.00
FSU	<b>Education and Health Sciences Center</b>	1	83,185,000	State	4/18	CM	4/20	4/22	3,500,000	MCCBL16, 17	79,685,000
USM	<b>Southern MD Regional HEC</b> <b>Architect: Cooper Cary Inc., GA</b>	1	81,961,000	State/NBF	8/16	CM	6/18	5/20	7,261,000	MCCBL 13,14,15,16; Cash	74,700,000
UMB	<b>Central Electric Substation and Electrical Infrastructure Upgrades</b> <b>Engineer: RMF Engineering, Inc., MD</b>	5	78,951,000	State	3/17	GC/CM	7/18	1/26	6,890,000	MCCBL16:17	72,061,000
UMCP	<b>School of Public Policy Bldg.</b> <b>Architect: Leo Daly, DC</b>	1	45,000,000	State/NBF	6/17	CM	6/18	1/20	3,360,000	Cash, MCCBL 17	41,640,000
CSU	<b>Percy Julian Bldg. Renovation for the College of Business</b>	3	43,231,000	State	11/17	CM	7/20	3/22	1,336,000	MCCBL 17	41,895,000

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	Recreation Bldg., Ph 2 (Add'n to Burdick Hall) <i>Architect: 360 Architecture, Inc., Kansas City, MO</i> <i>Contractor: Lewis Contractors, MD</i>	2	42,120,000	SFCP	4/14	CM	8/15	1/18	42,120,000	35th, 36th, 37th Bond Resolutions, Cash	0.00
FSU	New Residence Hall	1	36,580,000	SFCP	5/17	D/B	4/18	11/19	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	1/18	33,860,000	37th, 38th, 39th Bond Resolutions, Cash	0.00
UB	Langsdale Library Renovation <i>Architect: Behnisch Architekten, Boston</i> <i>Contractor: Plano-Coudon, MD</i>	3	23,825,000	State/NBF	6/14	CM	6/16	12/17	23,825,000	MCCBL 13,14,16; 17; Cash	0.00
SU	Athletic Complex Renovation (multi-phased) <i>Architect: GWWO, Inc. of MD</i> <i>Contractor: Whiting Turner, MD</i>	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
UB	Replace USPS Maintenance Facility <i>Contractor: Whiting Turner, MD</i>	3	13,180,000	SFCP	8/15	D/B	9/17	7/18	13,180,000	Cash	0.00
UMCP	Dorchester Residence Hall Renovation <i>Architect: RCG, MD</i> <i>Contractor: Quandel/J. Vinton Schafer, MD</i>	3	10,300,000	SFCP	8/16	On-Call CM	12/17	7/18	10,300,000	38th Bond Resolution	0.00
UMB	Construct Interprofessional Education Ctr.	4	9,300,000	SFCP	10/17		9/18	3/20	3,000,000	Cash	6,300,000

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	Glen Dining Hall Renovation	3	8,800,000	SFCP	1/18	GC	1/19	1/20	8,800,000	Cash	0.00
UMCP	School of Public Health Labs and Studios Renovation	3	8,185,835	SFCP		CM	9/17	4/18	8,185,835	Cash	0.00
UMCP	HJP Wing 2 Mech Rm. (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
TU	Glen Plaza Renovation	5	4,400,000	SFCP	8/18		5/20	7/21	4,400,000	Cash	0.00
SU	3D Arts Building Renovation	3	4,400,000	SFCP	8/17		3/18	11/18	4,400,000	Cash	0.00
UMB	Elevator/Fire Alarm Improve. in Various Garages (including Pearl St. Garage) <u>Architect: UMB in-house design</u> <u>Contractor(s): Maranto &amp; Sons, QSS, Brawer Builders, MD</u>	3	4,130,000	SFCP	7/13	GC, D/B	1/14	1/19	4,130,000	35th Bond Resolution	0.00
UMCP	Main Administration South Wing Renovation, 1st & 2nd Flrs. <u>Architect: Marshall Craft Assoc., MD</u> <u>Contractor: Kinsley Construction, PA</u>	3	4,000,000	SFCP	1/14	On call CM	1/17	11/17	4,000,000	FR, Cash	0.00
SU	Severn Hall Architectural Renovation <u>Architect: Ayers St. Gross, MD</u>	3	4,000,000	SFCP	8/16	GC	5/17	11/17	4,000,000	Cash/Bonds	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>HSFIII Generator</b> <u>Architect: HOK w/Design Collective</u> <u>Contractor: Barton Malow of MD</u>	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> <u>Contractor: North Point Builders, MD</u>	3	4,000,000	SFCP	7/17	D/B	7/17	3/18	4,000,000	Cash	0.00
UMCP	<b>ERC-Natatorium PoolPak Units Replacement</b> <u>Architect: UMCP Service Center In House Design</u> <u>Contractor: Plano Coudon, MD</u>	3	4,000,000	State	9/15	On-Call CM	3/17	8/17	4,000,000	FR/Cash	0.00
UMCP	<b>Animal Sciences Wing 3 Replace Air Handlers</b> (part of Campuswide Infrastructure Improvements)	5	3,400,000	State	9/16	On-Call GC	4/18	4/18	3,400,000	MCCBL 13, 14	0.00
UMBC	<b>Stadium Improvements</b>	4	3,200,000	SFCP	10/17	CM	5/18	8/19	3,200,000	Cash	0.00
UMCP	<b>McKeldin Mall Landscape Renewal</b> <u>Architect: Mahan Rykiel Associates, MD</u> <u>Contractor: J. Vinton Schafer, MD</u>	5	3,000,000	SFCP	5/14	CM	TBD	TBD	3,000,000	Cash	0.00
UMB	<b>Howard Hall/Bressler Research Bldg. Substation</b> <u>Engineer: RMF Engineering, MD</u>	5	3,000,000	SFCP	8/17	GC	7/18	7/20	3,000,000	Cash	0.00
UMB	<b>Health Sciences Facility I - Cooling Tower Replacement</b> <u>Engineer: MS Engineering, MD</u> <u>Contractor: Emjay Engineering, MD</u>	5	2,900,000	State/NBF	6/14	GC	3/17	9/18	2,900,000	CFR/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	School of Nursing Building HVAC Upgrades	5	2,700,000	SFCP	10/17		6/18	2/19	2,700,000	Cash	0.00
UMCP	Chemistry Wing 2 AHU Replacement	5	2,500,000	SFCP	6/17		4/18	9/18	2500000	Cash	0.00
UMB	Emergency Exit Upgrades	5	2,300,000	SFCP	4/17		11/17	7/18	2,300,000	Cash	0.00
UMB	Howard Hall Exhaust System	5	2,000,000	SFCP	9/17		8/18	3/19	2,000,000	Cash	0.00
UMCP	CASL 2 Chiller Replacement	5	1,908,160	SFCP	7/17	On-Call GC	12/17	5/18	1,908,160	Cash	0.00
UMB	Bressler Research Bldg. - 9th Fl. Renovation <i>Architect: UMB In-house design</i> <i>Contractor: Emjay Engineering, MD</i>	3	1,900,000	SFCP	6/16	GC	3/17	2/18	1,900,000	Cash	0.00
UMB	Howard Hall Heat Exchangers	5	1,800,000	SFCP	9/17	GC	4/18	9/18	1,800,000	Cash	0.00
UMB	108 N. Greene Street Chiller Replacement	5	1,800,000	SFCP	2/17	GC	1/18	12/18	1,800,000	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
UMBC	<b>Replacement of Communication Tower</b> <b>Architect:</b> Carroll Engineering, MD <b>Contractor:</b> Schaefer Construction, MD and Sabre Systems, MD	5	1,697,500	SFCP	6/13	D/B	9/14	12/17	1,697,500	33rd Bond Resolution, Cash	0.00
UMCP	<b>Relocate Tennis Courts (Cole spin off project)</b> <b>Architect:</b> Wallace Montgomery & Associates, MD	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> <b>Architect:</b> A. Morton Thomas, MD	5	1,495,000	State; Grant; NBF	6/15	TBD	3/18	7/18	1,495,000	Cash; FR	0.00
UMB	<b>Biomedical Research Bldg. Air Handler</b> <b>Contractor:</b> Min Engineering, MD	5	1,400,000	SFCP	10/17		TBD	TBD	1,400,000	Cash	0.00
UMB	<b>Medical School Teaching Facility - Replace Condensate Removal System</b> <b>Engineer:</b> RMF Engineering, MD	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>	5	1,400,000	SFCP	6/17	GC	11/17	5/19	1,400,000	Cash	0.00
TU	<b>Acoustical Improvements Ctr. for Arts Music Dept.</b> <b>Contractor:</b> Jeffrey Brown Contractors, LLC, MD	3	1,300,000	SFCP	7/16	GC	5/17	8/17	1,300,000	Cash	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

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	Pine St. Station HVAC and Electrical Power Upgrades	5	1,100,000	SFCP	9/17		6/18	12/18	1,100,000	Cash	0.00
TU	Demolish and Replace Glen Towers Pedestrian Bridge <i>Contractor: Emjay Engineering, MD</i>	5	1,000,000	SFCP	4/17	GC	6/17	8/17	1,000,000	Cash	0.00
UMB	School of Social Work 1st Floor Renovation	3	1,000,000	SFCP	2/17	GC	10/18	7/18	1,000,000	Cash	0.00
Total Program (State and non-State/ Auxiliary)			\$2,197,318,495	Estimated Economic Impact (full-time jobs):			8,240	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      Total cost:      Total estimated project cost including planning, construction & equipment.  
2 Addition/Expansion/Extension      Start design:      Date of BPW approval of architect/engineer.      CM = Construction Management  
3 Renovation or Replacement      Construction Start:      Date of BPW approval of contractor.      D/B = Design/Build  
4 Alterations and Addition      Completion:      Date of substantial completion/beneficial occupancy.      GC = General Contractor  
5 Infrastructure      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