

**SUMMARY OF ITEM FOR ACTION,
INFORMATION OR DISCUSSION**

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.

COMMITTEE RECOMMENDATION: ACCEPTED FOR INFORMATION

DATE: 3/30/17

BOARD ACTION:

DATE:

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

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	Health Sciences Facility III <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	New Science Facility <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	New Bioengineering Bldg. (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	Biomed Sc. & Eng. Ed. Facility <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	Cole Fieldhouse Conversion/Expansion (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	Brendan Iribe Ctr. for Computer Science <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	Interdisciplinary Life Sc. Bldg. <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	Edward St. John Learning & Teaching Ctr. <u>Architect:</u> Ayers St. Gross of MD <u>Contractor:</u> Clark Construction Group of MD	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	Union Addition/Renovation <u>Architect:</u> Design Collective, MD <u>Contractor:</u> Barton Mallow, MD	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	Natural Sciences Bldg. <u>Architect:</u> Perkins and Will of GA <u>Contractor:</u> Clark Construction, MD	1	102,171,000	State	4/13	CM	3/15	3/17	102,171,000	MCCBL 12,13,14,15,16	0.00
UMES	School of Pharmacy and Allied Health	1	86,185,000	State	9/17	CM	10/19	9/21	3,500,000	MCCBL16	82,685,000
UMBC	Event Center and Arena <u>Architect:</u> Cannon Design, MD <u>Contractor:</u> Barton Malow, MD	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	Education Professions and Health Sciences Center	1	83,185,000	State	7/17	CM	7/19	7/21	2,500,000	MCCBL16	80,685,000
USM	Southern MD Regional HEC <u>Architect:</u> Cooper Cary Inc., GA	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	Central Electric Substation and Electrical Infrastructure Upgrades	5	79,412,000	State	9/16	GC/CM	7/18	1/26	4,000,000	MCCBL16	75,412,000
UMCP	School of Public Policy Bldg.	1	46,150,000	State/NBF	4/17	CM	4/18	12/19	947,000	Cash	45,203,000
TU	Recreation Bldg., Ph 2 (Add'n to Burdick Hall) <u>Architect:</u> 360 Architecture, Inc., Kansas City, MO	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	Residence Tower Renovation <u>Architect:</u> Design Collective, MD <u>Contractor:</u> Turner Construction, MD	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	New Residence Hall	1	32,580,000	SFCP	5/17	D/B	6/18	11/19	1,500,000	Cash/Bonds	31,080,000
UB	Langsdale Library Renovation <u>Architect:</u> Behnisch Architekten, Boston <u>Contractor:</u> Plano-Coudon, MD	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	Athletic Complex Renovation (multi-phased) <u>Architect:</u> GWWO, Inc. of MD <u>Contractor:</u> Whiting Turner, MD	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	Dorchester Residence Hall Renovation <u>Architect:</u> RCG, MD <u>Contractor:</u> Quandt/J. Vinton Schafer, MD	3	10,300,000	SFCP	8/16	On-Call CM	12/17	7/18	10,300,000	38th Bond Resolution	0.00
UB	Replace USPS Maintenance Facility <u>Contractor:</u> Whiting Turner, MD	3	8,800,000	SFCP	8/15	D/B	9/17	5/18	848,707	Cash	7,951,293
UMCP	HJP Wing 2 Mech Rm. (part of Campuswide Bldg. System and Infrastructure Improvements) <u>Architect:</u> Design Collective, MD <u>Contractor:</u> J. Vinton Schafer, MD	5	6,600,000	State	11/15	CM-12/15	1/18	12/18	6,000,000	MCCBL 14; FR	600,000
FSU	Public Safety Facility <u>Architect:</u> Design Collective, MD <u>Contractor:</u> Harbel Inc., MD	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	Elevator/Fire Alarm Improve. in Various Garages (including Pearl St. Garage) <u>Architect:</u> UMB in-house design <u>Contractor(s):</u> 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	Main Administration South Wing Renovation, 1st & 2nd Flrs. <u>Architect:</u> Marshall Craft Assoc., MD <u>Contractor:</u> 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	Severn Hall Architectural Renovation <u>Architect:</u> Ayers St. Gross, MD	3	4,000,000	SFCP	8/16	GC	5/17	11/17	4,000,000	Cash/Bonds	0.00
UMB	HSFIII Generator <u>Architect:</u> HOK w/Design Collective <u>Contractor:</u> Barton Malow of MD	5	4,000,000	SFCP	4/14	CM	11/16	9/17	4,000,000	Cash	0.00
UMB	620 West Lexington St., 6th Fl Renovation for Facilities Mgmt. Offices	3	4,000,000	SFCP	3/17	D/B	3/17	2/18	4,000,000	Cash	0.00
UMCP	ERC-Natatorium PoolPak Units Replacement <u>Architect:</u> UMCP Service Center In House Design <u>Contractor:</u> Plano Coudon, MD	3	4,000,000	State	9/15	GC	3/17	8/17	4,000,000	FR/Cash	0.00
BSU	James Gym HVAC Improvements, Ph 2 <u>Contractor:</u> 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	Administration Building Renovation - First Floor <u>Architect:</u> Little Diversified Arch. <u>Contractor:</u> Kalmia Construction, MD	3	4,000,000	NBF		CM	12/16	4/17	4,000,000	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
UMCP	McKeldin Mall Landscape Renewal <u>Architect:</u> Mahan Rykiel Associates, MD <u>Contractor:</u> J. Vinton Schafer, MD	5	3,000,000	SFCP	5/14	CM	TBD	TBD	3,000,000	Cash	0.00
UMB	Health Sciences Facility I - Cooling Tower Replacement <u>Engineer:</u> MS Engineering	5	2,900,000	State/NBF	6/14	GC	3/17	9/17	2,900,000	CFR/Cash	0.00
CSU	Pedestrian Bridge ADA Improve. <u>Architect:</u> Cho Benn Holbeck <u>Contractor:</u> Jeffrey Brown Contracting, MD	3	2,631,433	State	1/14	GC	8/15	3/17	2,631,433	MCCBL 13; Grants	0.00
UMBC	Sherman Hall Renovation <u>Contractor:</u> J. Vinton Schafer, MD	3	2,500,000	SFCP	10/15	CM	5/16	4/17	2,500,000	Cash/Bonds	0.00
UMB	Health Sciences & Human Services Emergency Generator <u>Engineer:</u> RMF Engineering <u>Contractor:</u> North Point Builders, MD	5	2,300,000	State/NBF	4/15	GC	4/16	3/17	2,300,000	CFR/Cash	0.00
UMCP	Campus Creek Restoration <u>Architect:</u> A. Morton Thomas, MD	5	1,995,000	State; Grant; NBF	6/15	TBD	3/18	7/18	1,995,000	Cash; FR	0.00
UMBC	Replacement of Communication Tower <u>Architect:</u> Carroll Engineering, MD <u>Contractor:</u> Schaefer Construction, MD and Sabre Systems, MD	5	1,697,500	SFCP	6/13	D/B	9/14	7/17	1,697,500	33rd Bond Resolution, Cash	0.00
UMCP	Relocate Tennis Courts (Cole spin off project) <u>Architect:</u> Wallace Montgomery & Associates, MD	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	Demolish and Replace Glen Towers Pedestrian Bridge Contractor: Emjay Engineering, MD	5	1,512,848	SFCP		GC	4/17	8/17	1,512,848	Cash	0.00
UMCP	Main Administration Chiller & Cooling Tower Architect: Whitman Requardt, MD Contractor: M&E Sales, Inc.	5	1,250,000	SFCP	2/16	On Call Contractor	9/16	3/17	1,250,000	FR	0.00
UMB	737 Lombard St. Elevator Replacement	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	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				