



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

COMMITTEE: Finance

DATE OF COMMITTEE MEETING: September 8, 2016

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, 2016 and ending July 31, 2016.

Highlights include:

- Twelve construction awards to Maryland firms (\$66.7 million)
- Ten project completions (\$194.8 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: Joseph F. Vivona (301) 445-1923

PROGRESS OF CAPITAL IMPROVEMENT PROJECTS
(For the period ending
July 31, 2016)

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

ONGOING PROJECTS:

As of July 31, 2016, there are a total of 43 projects systemwide either pending design, or in design or construction, which are managed by the service centers.

CONTRACT AWARDS:

a. Design Awards

No design contracts were awarded for the six-month period ending July 31, 2016.

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

Twelve construction awards for a total of \$66.7 million were made during the six-month period ending July 31, 2016.

UMB	Renovation to Pine St. Station and Annex	\$1,455,772
UMB	Medical School Teaching Facility Auditorium	\$2,398,000
UMCP	School of Public Health Labs and Studio Renovation	\$2,244,771
UMCP	McKeldin Mall Infrastructure/Storm Drainage	\$1,890,320
UMCP	Jimenez Hall South Side Ground and 1st Floor HVAC Renovation	\$1,421,784
BSU	James Physical Ed. Complex HVAC Improvement	\$3,793,752
TU	Newell Dining Hall Improvement	\$3,460,183
TU	Residence Tower Renovation (pre-construction services)	\$153,300
FSU	Public Safety Facility	\$4,073,700
SU	Athletic Complex Renovations	\$3,195,923
UMBC	Event Center and Arena Project	\$40,550,928
UMBC	Erickson & Harbor Halls Renovation	\$2,113,829

PROJECT COMPLETIONS:

Ten projects for a total cost of \$194.8 million were completed in the six-month period ending July 31, 2016.

UMCP	Stamp Student Union Ph 5 Renovation	\$3,000,000
UMCP	Reckord Armory Renovation for Army/Navy ROTC	\$1,656,555
UMCP	Cambridge Hall Renovation	\$15,100,000
UMCP	Remote Library Storage	\$9,167,000
TU	Renovate Towson Center North Wing	\$2,786,911
TU	West Village Housing, Ph 3, 4	\$100,150,000
SU	Holloway Hall Chilled Water Plant Replacement	\$1,600,000
SU	East Campus Athletic Stadium	\$19,400,000
UMCES	Truitt Lab (aka Environmental Sustainability Lab)	\$21,852,636
USG	New Parking Garage II at Shady Grove	\$20,107,794

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 JULY 31, 2016

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	7/17	5/20	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	163,648,000	State	5/14	CM	6/16	11/18	50,716,000	MCCBL 13, 14, 15, 16	112,932,000
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	125,688,000	State	4/15	CM- 4/15	4/17	4/19	17,740,000	MCCBL 14, 15, 16	107,948,000
SU	Academic Commons (New Library) <u>Designer/Contractor:</u> Gilbane of MD	1/3	117,088,000	State/NBF	4/13	D/B	5/14	8/16	117,088,000	MCCBL 12,13,14,15; AFBA 15; 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	Edward St. John Learning & Teaching Ctr. Architect: Ayers St. Gross of MD Contractor: Clark Construction Group of MD	2/3	112,630,000	State/NBF	7/12	CM	6/14	1/17	112,630,000	MCCBL 12,13, 14, 15, 16; Cash	0.00
TU	Union Addition/Renovation	2/3	103,770,000	SFCP	10/16		10/17	7/19-Add'n 7/20-Renov	8,670,000	38th Bond Resolution	95,100,000
BSU	Natural Sciences Bldg. Architect: Perkins and Will of GA Contractor: Clark Construction, MD	1	102,171,000	State	4/13	CM	2/15	3/17	102,171,000	MCCBL 12,13,14,15,16	0.00
FSU	Education Professions and Health Sciences Center	1	85,795,000	State	7/17	CM	7/19	7/21	2,500,000	MCCBL16	83,295,000
UMES	School of Pharmacy and Allied Health	1	85,500,000	State	7/17		8/19	8/21	3,500,000	MCCBL16	82,000,000
UMBC	Event Center and Arena Architect: Cannon Design, MD Contractor: Barton Malow, MD	1	85,000,000	SFCP	7/14	CM	12/15	11/17	74,000,000	36th, 37th, 38th Bond Resolution and Cash	11,000,000
USM	Southern MD Regional HEC	1	81,961,000	State/NBF	8/16	CM	9/18	9/20	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		7/18	1/26	4,000,000	MCCBL16	75,412,000
UMCP	School of Public Policy Bldg.	1	45,000,000	State/NBF	1/17	CM	3/18	12/19	947,000	Cash	44,053,000
TU	Recreation Bldg., Ph 2 (Add'n to Burdick Hall) Architect: 360 Architecture, Inc., Kansas City, MO	2	40,520,000	SFCP	4/14	CM	8/15	11/17	40,520,000	35th, 36th, 37th Bond Resolutions	0.00
FSU	New Residence Hall	1	32,580,000	SFCP	1/17		12/18	12/20	1,500,000	Cash	31,080,000

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	32,560,000	SFCP	7/15	CM- 10/15	11/16	12/17	22,560,000	37th, 38th Bond Resolution	10,000,000
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	9/17	17,075,000	MCCBL 13,14,16; Cash	6,750,000
UMBC	Residential/Community Renovations: West Hill Apts. <u>Architect:</u> Grimm & Parker, MD <u>Contractor:</u> Plano-Coudon, MD	3	22,700,000	SFCP	4/13	CM	10/14	9/16	22,700,000	Cash/Bonds	0.00
UMCP	HJ Patterson, Wing 1 Renovation <u>Architect:</u> Design Collective, MD <u>Contractor:</u> J. Vinton Schafer, MD	3	18,250,500	State/Other	7/13	CM	10/15	11/16	18,250,500	MCCBL 13; 14 Grant; Cash; FR; AFBA 14	0.00
SU	Athletic Complex Renovation (multi-phased) <u>Architect:</u> GWWO, Inc. of MD <u>Contractor:</u> Whiting Turner, MD	3	15,900,000	SFCP	4/14	CM	9/15	2/16 Tennis Bldg. Other: 1/17	9,900,000	Cash	6,000,000
UMCP	Dorchester Residence Hall Renovation	3	10,300,000	SFCP	8/16		12/17	7/18	10,300,000	38th Bond Resolution	0.00
UMB	Construct Interprofessional Education Center (former Ronald McDonald House)	4	9,300,000	SFCP	10/16		1/18	2/19	3,000,000	Cash	6,300,000
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	6,000,000	State	11/15	CM-12/15	3/17	3/18	6,000,000	MCCBL 14; FR	0.00
FSU	Public Safety Facility <u>Architect:</u> Design Collective, MD <u>Contractor:</u> Harbel Inc.	3	5,505,000	State	8/14	GC	3/16	2/17	5,505,000	MCCBL 14, 15	0.00
TU	Newell Dining Hall Renovation <u>Architect:</u> GWWO, Inc. of MD <u>Contractor:</u> Jeffrey Brown Contracting, LLC of MD	3	5,000,000	SFCP	5/15	CM-12/15	5/16	12/16	5,000,000	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
TU	Burkshire Elevators <u>Contractor:</u> Lewis Contractors, MD	5	5,000,000	SFCP	2/14	CM	8/14	8/16	5,000,000	Cash	0.00
UMB	Elevator/Fire Alarm Improve. in Various Garages <u>Architect:</u> UMB in-house design <u>Contractor(s):</u> Maranto & Sons, QSS	3	4,130,000	SFCP	7/13	GC, D/B	1/14	1/17	4,130,000	35th Bond Resolution	0.00
UMCP	Main Administration South Wing Renovation, 1st & 2nd Flrs. <u>Architect:</u> Marshall Craft Assoc., MD	3	4,000,000	SFCP	1/14		1/17	9/17	4,000,000	FR, Cash	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		11/16	9/17	4,000,000	Cash	0.00
UMCP	ERC-Natorium PoolPak Units Replacement <u>Architect:</u> UMCP Service Center In House Design	3	4,000,000	State	9/15	GC	1/17	8/17	110,000	FR	3,890,000
BSU	James Gym HVAC Improvements, Ph 2 <u>Contractor:</u> Rich Moe Enterprises, MD	3	4,000,000	State/NBF		GC	11/15	2/17	4,000,000	MCCBL 13; AFBA; Cash	0.00
UMCP	School of Public Health Labs & Studios Renovation <u>Architect:</u> WDG, MD <u>Contractor:</u> J. Vinton Schafer, MD	4	3,285,835	SFCP	10/14	CM-10/15	6/16	11/16	3,285,835	Cash	0.00
UMCP	McKeldin Mall Landscape Renewal <u>Architect:</u> Mahan Rykiel Associates, MD <u>Contractor:</u> J. Vinton Schafer	5	3,000,000	SFCP	5/14	CM	TBD	TBD	3,000,000	Cash	0.00
UMCP	McKeldin Mall Infrastructure/Storm Drainage (part of Campuswide Bldg. and Infrastructure Improvements) <u>Architect:</u> Mahan Rykiel Assoc. <u>Contractor:</u> J. Vinton Schafer, MD	5	3,000,000	State	6/15	CM-12/15	5/16	8/17	2,000,000	AFBA 15; FR	1,000,000

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	Jimenez Mods & Upgrade of HVAC System (part of Campus Wide Bldg. & Infrastructure Improvements) Architect: Whitman Requardt Contractor: Rich Moe, MD	5	2,859,576	State		GC	3/16	8/16	2,859,576	37th Bond Resolution	0.00
CSU	Pedestrian Bridge ADA Improve. Architect: Cho Benn Holbeck Contractor: Jeffrey Brown Contracting, MD	3	2,631,433	State	1/14	GC	8/15	8/16	2,631,433	MCCBL 13; Grants	0.00
UMB	Health Sciences Facility I - Cooling Tower Replacement Engineer: MS Engineering	5	2,500,000	State/NBF	6/14	GC	3/16	7/17	2,500,000	CFR/Cash	0.00
UMB	Health Sciences & Human Services Emergency Generator Engineer: RMF Engineering Contractor: North Point Builders, MD	5	2,300,000	State/NBF	4/15	GC	4/16	2/17	2,300,000	CFR/Cash	0.00
UMCP	Campus Creek Restoration Architect: A. Morton Thomas, MD	5	1,995,000	State; Grant; NBF	6/15	TBD	9/17	2/18	495,000	Cash; FR	1,500,000
UMBC	Replacement of Communication Tower Architect: Carroll Engineering, MD Contractor: Schaefer Construction, MD and Sabre Systems, MD	5	1,697,500	SFCP	6/13	D/B	9/14	8/16	1,697,500	33rd Bond Resolution, Cash	0.00
Total Program (State and non-State/ Auxiliary)			\$2,413,738,844	Estimated Economic Impact (full-time jobs):			9,052	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