



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

COMMITTEE: Finance

DATE OF COMMITTEE MEETING: March 31, 2016

SUMMARY: This report provides information on the status of capital improvement projects system wide. Included are contract awards, completions, and detailed project schedules. The attached report reflects activity for the six-month period starting August 1, 2015 and ending January 31, 2016. Highlights include:

- One design award to a Maryland firm (\$712,898)
- Sixteen construction awards (\$210.9 million)
- Fifteen construction awards to Maryland firms (\$208.7 million)
- Five project completions (\$146.9 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: REPORT ACCEPTED FOR INFORMATION PURPOSES

DATE: 3/31/16

BOARD ACTION:

DATE:

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

PROGRESS OF CAPITAL IMPROVEMENT PROJECTS
(For the period ending
January 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 August 1, 2015 and ending January 31, 2016. Only construction projects that are \$1 million, or greater, are included in this report.

ONGOING PROJECTS:

As of January 31, 2016, there are a total of 45 projects systemwide in design or construction that are managed by the service centers.

CONTRACT AWARDS:

a. Design Awards

One design contract was awarded during the six-month period ending January 31, 2016.

	UMCP H.J. Patterson Wing 2 Mechanical Rm. Renovation	\$712,898
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b. Construction Awards, Including Design/Build and Construction Management

Sixteen construction awards for a total of \$210.9 million were made during the six-month period ending January 31, 2016.

	UMCP McKeldin Mall Infrastructure Improvements (CM pre-construction fees)	\$66,000
	UMCP Stamp Student Union Suite Renovation	\$1,498,984
	UMCP Reckord Armory Renovation for Army/Navy ROTC	\$1,144,400
	UMCP H J Patterson Wing 2 Mech Rm. Renovation (CM Pre-construction fees)	\$60,000
	UMCP Replace Synthetic Turf, Bob Smith Stadium/Shiplely Field*	\$2,126,477
	UMCP A. James Clark Hall	\$113,151,436
	UMCP New Cole Fieldhouse (CM Pre-construction fees & Bid Pkg. 1)	\$9,762,046
	UMCP H J Patterson Wing 1 Renovation	\$12,346,578
	UMCP School of Public Health Ground/1st Floor Renov. (CM Pre-construction fees)	\$25,000
	BSU James Gym HVAC Improvements, Ph 2	\$3,840,147
	TU Towson Center North Wing Renovation	\$2,786,911
	TU Newell Dining Hall Improvements (CM pre-construction fees)	\$15,760
	TU Burdick Hall Expansion	\$33,294,325
	SU Chill Water Plant Replacement Holloway Hall	\$1,538,500
	UB Replace USPS Maintenance Facility (D/B)	\$676,000
	UMBC Event Center and Arena Project	\$28,583,840

PROJECT COMPLETIONS:

Five projects for a total cost of \$146.9 million were completed in the six-month period ending January 31, 2016.

	UMCP Tawes Theater Conversion	\$15,920,000
	UMCP Bob Smith Stadium/Shiplely Field Synthetic Turf Installation*	\$2,700,000
	UMES Engineering and Aviation Sciences Facility	\$101,207,190
	UMBC Campus Traffic Safety & Circulation Improvements	\$15,103,509
	UMBC Fine Arts Bldg. Renovation	\$12,000,000

PROJECT SCHEDULE: The attached information includes schedules for ongoing activities in the FY2017 Capital Improvement Program and the FY2016 System Funded Construction Program.

*project constructed and completed during reporting cycle.

USM PROJECT STATUS REPORT ON MAJOR CONSTRUCTION PROJECTS AS OF JANUARY 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 Architect: Hellmuth, Obata & Kassabaum, DC with Design Collective of MD Contractor: Barton Malow Co., MD	1	305,392,000	State/NBF	5/12	CM-10/12	8/13	9/17	196,842,000	MCCBL 11, 12; 13; 14; 15; Cash	108,550,000
TU	New Science Facility Architect: Cannon Design, MD Contractor: Whiting Turner, MD	1	187,819,000	State	8/14	CM	7/17	5/20	5,700,000	MCCBL 12	182,119,000
UMCP	New Bioengineering Bldg. (aka A. James Clark Hall) Architect: Ballinger of PA Contractor: Clark Construction, MD	1	173,910,000	State/NBF	4/13	CM- 1/15	6/15	6/17	64,460,000	MCCBL 12, 13, 14; 15; AFBA 15; Cash	109,450,000
USG	Biomed Sc. & Eng. Ed. Facility Architect: Cooper Carry, Inc. of Georgia Contractor: Gilbane Bldg. Co., MD	1	162,544,000	State	5/14	CM	3/16	5/18	14,016,000	MCCBL 13, 14, 15	148,528,000
UMCP	Cole Fieldhouse Conversion/Expansion (aka Human Performance & Academic Research Facility) Architect: Cannon Design, MD Contractor: Gilbane, MD	2/3	155,000,000	State/NBF	6/15	CM-10/15	12/15	4/17	42,000,000	MCCBL 15; Cash	113,000,000
UMCP	Brendan Iribe Ctr. for Computer Science Architect: HDR Architecture, MD Contractor: Whiting Turner, MD	1	142,550,000	State/NBF	1/15	CM	6/16	6/18	35,000,000	Cash	107,550,000
UMBC	Interdisciplinary Life Sc. Bldg. Architect: Ballinger, PA Contractor: Whiting Turner, MD	1	123,202,000	State	4/15	CM- 4/15	4/17	4/19	10,100,000	MCCBL 14, 15	113,102,000

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
SU	Academic Commons (New Library) <u>Designer/Contractor: Gilbane of MD</u>	1/3	117,088,000	State/NBF	4/13	D/B	5/14	6/16	117,088,000	MCCBL 12,13,14,15; AFBA 15; /Cash	0.00
UMCP	Edward St. John Learning & Teaching Ctr. <u>Architect: Ayers St. Gross of MD</u> <u>Contractor: Clark Construction Group of MD</u>	2/3	112,030,000	State/NBF	7/12	CM	6/14	1/17	106,930,000	MCCBL 12,13, 14, 15; Cash	5,100,000
BSU	Natural Sciences Bldg. <u>Architect: Perkins and Will of GA</u> <u>Contractor: Clark Construction, MD</u>	1	102,171,000	State	4/13	CM	2/15	3/17	70,670,000	MCCBL 12,13,14,15	31,501,000
TU	West Village Housing, Ph 3, 4 <u>Architect: Ayers St. Gross, MD</u> <u>Contractor: Whiting Turner, MD</u>	1	100,150,000	SFCP	11/13	CM	8/14	7/16	100,150,000	35th, 36th, 37th Bond Resolutions, Cash	0.00
UMBC	Event Center and Arena <u>Architect: Cannon Design, MD</u> <u>Contractor: Barton Malow, MD</u>	1	85,000,000	SFCP	7/14	CM	1/16	11/17	38,400,000	36th, 37th Bond Resolution and Cash	46,600,000
USM	Southern MD Regional HEC	1	78,676,000	State/NBF	5/16	CM	6/18	6/20	3,950,000	MCCBL 13,14,15; Cash	74,726,000
TU	Recreation Bldg., Ph 2 (Add'n to Burdick Hall) <u>Architect: 360 Architecture, Inc., Kansas City, MO</u> <u>Contractor: Lewis Contractors, MD</u>	2	40,520,000	SFCP	4/14	CM	8/15	11/17	40,520,000	35th, 36th, 37th Bond Resolutions	0.00
TU	Residence Tower Renovation <u>Architect: Design Collective, MD</u>	3	32,560,000	SFCP	7/15	CM	11/16	11/17	2,960,000	37th Bond Resolution	29,600,000
UMUC	Renovation of the UMUC Inn & Conference Center (in phases) <u>Contractor: Holder Construction, VA</u>	3	31,000,000	SFCP		9/12-CM		On Hold	31,000,000	Cash	0.00

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UB	Langsdale Library Renovation Architect: Behnisch Architekten, Boston Contractor: Plano-Coudon, MD	3	23,825,000	State/NBF	6/14	CM	6/16	9/17	3,775,000	MCCBL 13,14; Cash	20,050,000
UMBC	Residential/Community Renovations: West Hill Apts. Architect: Grimm & Parker, MD Contractor: Plano-Coudon, MD	3	22,700,000	SFCP	4/13	CM	10/14	8/16	22,700,000	Cash/Bonds	0.00
UMCES	Truitt Lab (aka New Environmental Sustainability Lab) Architect: Richter Cornbrooks, MD Contractor: Lewis Contractors, MD	3	21,852,636	State	1/13	CM	9/14	3/16	21,852,636	MCCBL: 12,13,14,15; 1988GCL/Constr'n Contingency Fund	0.00
USG	New Parking Garage II Designer/Contractor: Donley's LLC of Virginia	1	20,107,794	SFCP (Reimbursed by Cty. Grant)	12/13	D/B	2/15	2/16	20,107,794	County Grant; Cash	0.00
SU	East Campus Athletic Stadium Architect: GWWO, Inc., MD Contractor: Whiting Turner, MD	1	19,400,000	SFCP	11/13	CM	1/15	3/16	19,400,000	Cash	0.00
UMCP	HJ Patterson, Wing 1 Renovation Architect: Design Collective, MD Contractor: J. Vinton Schafer, MD	3	18,250,500	State/Other	7/13	CM	10/15	2/17	18,250,500	MCCBL 13; 14 Grant; Cash; FR; AFBA 14	0.00
SU	Athletic Complex Renovation (multi-phased) Architect: GWWO, Inc. of MD Contractor: Whiting Turner, MD	3	15,900,000	SFCP	4/14	CM	9/15	2/16 Tennis Bldg.	8,600,000	Cash	7,300,000
UMCP	Cambridge Hall Renovation Architect: Design Collective, MD Contractor: Turner Construction, VA	3	15,100,000	SFCP	1/11	CM	7/15	7/16	15,100,000	35th Bond Resolution/Cash	0.00
UMCP	Remote Library Storage Architect: WDG Architecture, DC Contractor: Whiting Turner, MD	3	9,167,000	State/Cash	11/12	CM	1/15	2/16	9,167,000	MCCBL 12,13/Cash	0.00
UB	Replace USPS Maintenance Facility Contractor: Whiting Turner, MD	3	8,800,000	SFCP	815	D/B	8/16	1/18	676,000	Cash	8,124,000

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	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	2/17	1/18	3,332,864	MCCBL 14; FR	2,667,136
FSU	Public Safety Facility <u>Architect:</u> Design Collective, MD	3	5,505,000	State	8/14	GC	3/16	1/17	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
TU	Burkshire Elevators <u>Contractor:</u> Lewis Contractors, MD	5	5,000,000	SFCP	2/14	CM	8/14	7/16	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
UMB	HSFIII Generator <u>Architect:</u> HOK w/Design Collective <u>Contractor:</u> Barton Malow of MD	5	4,000,000	SFCP	4/14		7/16	4/17	4,000,000	Cash	0.00
UMCP	ERC-Natatorium 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	9/16	4,000,000	MCCBL 13; AFBA; Cash	0.00
UMCP	McKeldin Mall Landscape Renewal <u>Architect:</u> Mahan Rykiel Associates, MD	5	3,000,000	SFCP	5/14	CM	TBD	TBD	3,000,000	Cash	0.00
UMCP	Stamp Student Union Ph 5 Renovation <u>Architect:</u> UMCP Service Center In House Design <u>Contractor:</u> Kalmia Construction	3	3,000,000	SFCP	2/14	OnCall Contractor	12/15	7/16	3,000,000	FR, 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 Infrastructure/Storm Drainage (part of Campuswide Bldg. and Infrastructure Improvements) Architect: Mahan Rykiel Assoc. Contractor: J. Vinton Schafer, MD	5	3,000,000	State	6/15	CM-12/15	6/16	8/17	1,000,000	AFBA 15	2,000,000
TU	Renovate Towson Center North Wing Contractor: Jeffrey Brown, MD	3	2,786,911	SFCP			11/15	5/16	2,786,911	Cash	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	7/16	2,631,433	MCCBL 13; Grants	0.00
UMCP	School of Public Health Labs & Studios Renovation Architect: WDG, MD Contractor: J Vinton Schafer, MD	4	2,630,000	SFCP	10/14	CM-10/15	3/16	8/16	2,630,000	Cash	0.00
UMB	Health Sciences Facility I - Cooling Tower Replacement Engineer: MS Engineering	5	2,500,000	State/NBF	6/14	GC	3/16	7/16	2,500,000	CFR/Cash	0.00
UMB	Health Sciences & Human Services Emergency Generator Engineer: RMF Engineering	5	2,300,000	State/NBF	4/15	GC	4/16	10/16	2,300,000	CFR/Cash	0.00
UMES	Tanner Hall Renovation Architect: RCG Architects, MD	3	2,200,000	State/Grant	2/14	GC	TBD	TBD	558,000	FR	1,642,000
UMCP	Campus Creek Restoration Architect: A. Morton Thomas, MD	5	1,995,000	State; Grant; NBF	6/15	TBD	8/16	12/16	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

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	Holloway Hall Chilled Water Plant Replacement Contractor: Whiting Turner, MD	3	1,600,000	State/NBF		GC	10/15	7/16	1,600,000	AFBA; Cash	0.00
UMCP	Reckord Armory Renovation for Army/Navy ROTC Contractor: Baltimore Contractors, MD	5	1,144,400	SFCP			12/15	4/16	1,144,400	Cash	0.00
Total Program (State and non-State/ Auxiliary)			\$2,192,835,174	Estimated Economic Impact (full-time jobs):			8,223	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