

ANNUAL CONSTRUCTION REPORT: FISCAL YEAR 2016-17

Major capital projects are those that are \$1 million or greater and require Board approval. Minor capital projects are those that are greater than \$250,000 and less than \$1 million.

The Board requests a listing of these projects on an annual basis. In addition to the annual report, the Board receives quarterly construction reports reflecting current construction projects.

The report highlights two areas for the 11 major capital projects that were closed during 2016-17. These areas include planned budget and actual cost of the project. The following table also includes data for the 24 minor capital projects that were closed during the fiscal year.

The approved budgets for the projects totaled nearly \$54 million. The final cost of these projects was above \$48 million, a difference of about \$5.3 million, or 10 percent, which was returned to the appropriate units.

Project Number	Project Name	Project Type	Close Date	Consultant	Contractor	Delivery Method	Authorized Budget	Actual Costs
CP12185	MUNN ICE ARENA - ADDITION 2 - CHILLER ENCLOSURE AND HVAC UPGRADES ICE MAKING SYSTEM	Major	9/23/2016	Rossetti	Granger Construction	CM	\$ 6,500,000	\$ 6,470,942
CP15188	AG EXPO EXHIBITORS-WICK 1 - RENOVATIONS FOR HEAT	Major	9/16/2016	IPF	IPF	ICM	\$ 127,280	\$ 86,730
CP15902	SHOOTING RANGE - OPERATIONS CENTER - CONSTRUCT ORIGINAL BUILDING	Major	8/29/2016	Steadfast Construction Inc	Steadfast Construction Inc	DB	\$ 480,000	\$ 476,397
CP09297	KELLOGG CENTER - REPLACE ABSORPTION CHILLED WATER SYSTEM	Major	11/11/2016	URS Corporation	IPF	ICM	\$ 3,430,000	\$ 3,075,675
CP10356	MSU COLLEGE OF LAW - ADDITION 1 - NORTH ENTRANCE IMPROVEMENTS	Major	12/6/2016	WTA Architects	Moore-Trosper Construction Company	GC	\$ 605,000	\$ 548,094
CP12316	CHITTENDEN HALL - RENOVATION	Major	12/15/2016	HopkinsBurns Design Studio	Christman Company	CM	\$ 6,200,000	\$ 5,912,796
CP12376	STEAM DISTRIBUTION - NORTH CAMPUS - INFRASTRUCTURE IMPROVEMENTS - WEST CIRCLE DR - 2014 (PH 3 OF 4)	Major	12/5/2016	FTC&H	Granger Construction	CM	\$ 14,900,000	\$ 14,219,552
CP15104	NATURAL GAS DISTRIBUTION - INSTALL NEW PIPELINE FROM MT. HOPE RD	Major	12/9/2016	Consumers Energy	Consumers Energy	Consumers Energy	\$ 3,450,000	\$ 2,411,754
CP14275	HUBBARD HALL - EXTERIOR MASONRY REPAIR AND WINDOW REPLACEMENT - PHASE ONE	Major	3/15/2017	WTA Architects	Nielsen Commercial Construction	GC	\$ 2,500,000	\$ 2,297,999
CP15900	Sheep Barn - Addition 2 - Sheep Lambing and Research Facility	Major	3/28/2017	Steadfast Construction Inc	Steadfast Construction Inc	DB	\$ 550,000	\$ 549,196
CP15195	PARKING - LOT 89 - COMMUTER LOT - REPAVE SOUTHEAST SECTION	Major	3/29/2017	IPF	Carol's Excavating LLC	ICM	\$ 2,500,000	\$ 1,451,034
						11 projects	\$ 41,242,280	\$ 37,500,169
CP12381	STEAM DISTRIBUTION - BOGUE/SERVICE ROAD - MISCELLANEOUS REPAIRS 2014	Minor	9/9/2016	FTC&H	IPF	Shops	\$ 500,000.00	\$ 490,955
CP13319	LIFE SCIENCE - RENOVATIONS TO LABS B430 AND B431	Minor	8/16/2016	Bernath Coakley	Moore-Trosper Construction Company	GC	\$ 376,587.00	\$ 375,803
CP14298	MUNN ICE ARENA - SEATING UPDATES	Minor	9/27/2016	Rossetti	Moore-Trosper Construction Company	GC	\$ 970,000.00	\$ 858,715
CP14301	SPARTAN STADIUM - ALTERATIONS TO STUDENT SECTION SEATING	Minor	9/8/2016	VEC Engineering PLLS	Granger Construction	GC	\$ 900,000.00	\$ 877,213
CP13244	LIFE SCIENCE - REPLACE ROOFS 6, 10, 11 AND 14-16	Minor	10/13/2016	Roofing Technology Associates	Bornor Restoration	GC	\$ 300,000	\$ 193,895
CP14113	INTRAMURAL RECREATIVE SPORTS - WEST - ALTERATIONS TO ROOMS 8, 9, 226, 227, 245 AND 246	Minor	11/4/2016	TMP Associates Inc	Nielsen Commercial Construction	GC	\$ 330,000	\$ 289,347
CP14289	OWEN GRADUATE HALL - RENOVATE TWO PASSENGER ELEVATOR CARS IN WEST WING	Minor	12/12/2016	Bernath Coakley	Moore-Trosper Construction Company	GC	\$ 725,000	\$ 661,049
CP14308	FARRALL HALL - REPLACE ROOFS 3 AND 4	Minor	12/19/2016	Roofing Technology Associates	Bornor Restoration	GC	\$ 600,000	\$ 525,514
CP15076	GILTNER HALL - ALTERATIONS TO SUITE 312	Minor	10/20/2016	Bernath Coakley	Nielsen Commercial Construction	GC	\$ 284,000	\$ 277,060
CP15243	LIFE SCIENCE - REPLACE ROOFS 4, 5, 7, 8, 9, 12 AND 13	Minor	11/30/2016	Roofing Technology Associates	Bornor Restoration	GC	\$ 803,080	\$ 777,223
CP13228	BIOMEDICAL PHYSICAL SCIENCES - IMPLEMENT ENERGY CONSERVATION MEASURES	Minor	1/5/2017	IPF	Quality Air Services Inc	GC	\$ 655,800	\$ 655,799
CP15005	AKERS HALL - EAST WING MASONRY RESTORATION	Minor	1/11/2017	IPF	Ram Construction	GC	\$ 290,000	\$ 186,369
CP15304	DEMONSTRATION HALL - ALTERATIONS TO ROOM 109	Minor	1/17/2017	IPF	Nielsen Commercial Construction	GC	\$ 255,000	\$ 253,952

Project Number	Project Name	Project Type	Close Date	Consultant	Contractor	Delivery Method	Authorized Budget	Actual Costs
CP15064	NISBET - ALTERATIONS TO SUITE 220	Minor	1/25/2017	Engineering Applications Inc	J Perez Construction Inc	GC	\$ 828,264	\$ 672,778
CP15260	ANTHONY HALL - REFURBISH COOLING TOWERS 1 AND 2	Minor	2/21/2017	IPF	IPF	Shops	\$ 250,000	\$ 141,929
CP15135	HOLDEN HALL - REPLACE DOMESTIC WATER PIPING	Minor	3/31/2017	IPF	Allied Mechanical Services	GC	\$ 338,000	\$ 315,728
CP14119	CONRAD HALL - ALTERATIONS TO ROOMS 100	Minor	5/1/2017	Bernath Coakley	Moore-Trosper Construction Company	GC	\$ 547,000	\$ 546,344
CP16073	TB SIMON POWER PLANT - EMERGENCY REPAIRS TO STACK	Minor	5/12/2017	IPF	Gerard Chimney Co	DB	\$ 600,000	\$ 422,954
CP12153	ENG RESEARCH COMPLEX - ALTERATIONS TO LAB A38	Minor	5/17/2017	Diclemente Siegel Engineering	J Perez Construction Inc	GC	\$ 625,000	\$ 556,044
CP14290	MASON ABBOT HALL - MASONRY RESTORATION AND DOWNSPOUT REPLACEMENT	Minor	6/2/2017	IPF	D.C. Byers Company	GC	\$ 400,000	\$ 362,607
CP15097	HOLMES HALL - ALTERATIONS TO ROOMS E5, E6 AND E26A	Minor	6/2/2017	IPF	Nielsen Commercial Construction	GC	\$ 405,000	\$ 333,026
CP15272	CASE HALL - ALTERATIONS TO ROOM 337	Minor	6/14/2017	IPF	Moore-Trosper Construction Company	GC	\$ 385,000	\$ 332,451
CP14351	PLANT BIOLOGY - REPLACE FIRE ALARM SYSTEM AND SMOKE DETECTION	Minor	6/15/2017	IPF	IPF	DB	\$ 759,000	\$ 538,122
CP15287	WHARTON - GREAT HALL - REPLACE STAGE FLY RAIL	Minor	6/20/2017	IPF	Secoa, Inc.	GC	\$ 390,000	\$ 253,265
						24 projects	\$ 12,516,731	\$ 10,898,142
Major & Minor Totals							\$ 53,759,011	\$ 48,398,311

Budget for Closed Projects	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17
Authorized Budget:	\$ 84,843,838.00	\$ 52,410,475.00	\$ 236,944,478.00	\$ 244,564,890.00	\$ 149,759,600.00	\$154,275,164.00	\$53,759,011.00
Final Cost:	\$ 80,362,824.00	\$ 48,451,752.00	\$ 226,396,069.00	\$ 237,428,564.00	\$ 139,028,879.00	\$143,339,743.00	\$48,398,311.00
Total Returned:	\$ 4,481,014.00	\$ 3,958,723.00	\$ 10,548,409.00	\$ 7,136,326.00	\$ 10,730,721.00	\$10,935,421.00	\$5,360,700.00
Total % Returned:	5.3%	7.6%	4.5%	2.9%	7.2%	7.1%	10.0%
Contract:	\$ 59,054,199.00	\$ 33,789,257.00	\$ 155,668,557.00	\$ 164,735,416.00	\$ 102,757,439.00	\$95,518,261.00	\$38,531,616.00
Number of Projects Closed	41	41	44	47	47	46	35