



August 3, 2016

Facilities

Capital Improvement Program Report

January 1, 2016 – June 30, 2016

Minnesota State



MINNESOTA STATE

Finance Division

DATE: August 16, 2016

TO: Jay Cowles, Chair, Finance and Facilities Committee

FROM: Laura M. King *LMMK*
Vice Chancellor – Chief Financial Officer

SUBJECT: **Capital Improvement Program (CIP) Status Report**

The semi-annual Capital Improvement Program Report for the period January 1, 2016 through June 30, 2016 is available online at <http://www.finance.mnscu.edu/facilities/design-construction/cip/index.html>.

Please let me know if you have any questions.

Email Copy to: Board of Trustees
Chancellor Steven Rosenstone
Leadership Council

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EXECUTIVE SUMMARY

As of June 30, 2016, there is \$402.6 million in major capital projects in either design or construction active at colleges and universities of Minnesota State. This amount has dropped from last CIP Report due primarily to no bonding bill passing during 2016 legislative session.

General Obligation (GO) Bond Fund Capital Program accounts for 2/3 of the major capital projects.

\$277.8 million 68.9%

General Obligation (GO) Bond Fund Higher Education Asset Preservation and Replacement (HEAPR) Program represent 1/10 of the projects.

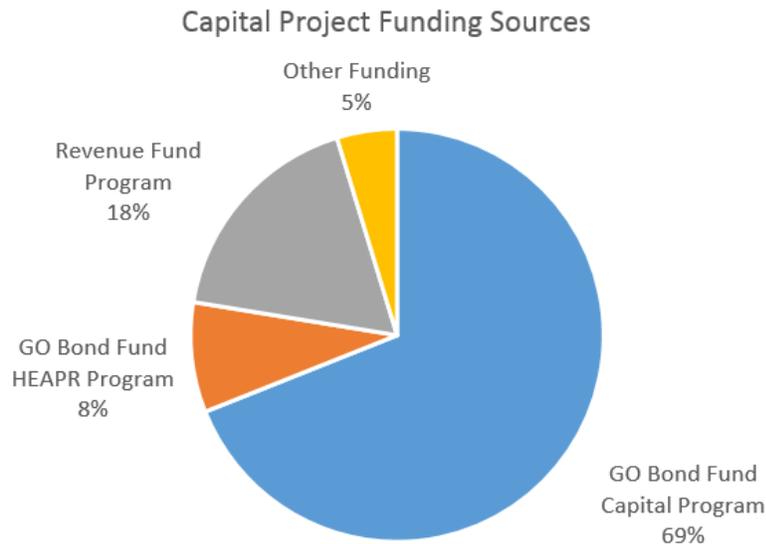
\$34.6 million 8.6%

Revenue Fund Program is the second largest funding source composing 1/5 of the major capital projects.

\$71.7 million 17.7%

Other funding augments scope of capital projects through private donations, federal and state grants, and campus general operating fund.

\$19 million 4.7%



PREFACE

This Capital Improvement Program (CIP) report summarizes the status of Minnesota State funded major capital projects under design and/or construction during the period January 1, 2016 through June 30, 2016. The next CIP reporting period is July 1, 2016 through December 31, 2016. This report is broken into three sections.

Section 1 Background begins with an overview of project delivery methods, followed by enterprise project management system summary. Next, are two lists of contracts over \$1 million dollars executed during this reporting period. The first list is Board approved contracts funded with campus resources and the second list is contracts funded by GO bond fund capital and HEAPR, and Revenue fund sources.

Section 2 Program Summaries provide background and financial updates based on four types of funding sources:

- GO Bond Fund capital projects
- GO Bond Fund HEAPR projects
- Revenue Fund project
- Other fund projects

The financial tables within each of the four program summaries includes total appropriation, number of projects (except Other Funding Program) and financial status. Financial definitions:

- “Encumbrance Percentage” identifies percentage of the total appropriation that is encumbered and not spent
- “Spent Percentage” identifies percentage of the total appropriation that is encumbered and spent in ISRS
- “Free Balance Percentage” identifies percentage of the total appropriation that is not encumbered or spent in ISRS

The GO Bond Fund Capital Program Overview and Revenue Fund Program Overview includes a list of projects active during this reporting period with their status. The GO Bond Fund HEAPR Program Overview includes distribution of program funds by 10 categories of work types.

Section 3 Project Summary includes 25 individual reports for GO Bond Fund Capital Program and Revenue Fund Program projects. These project summaries are at the end of this report arranged in alphabetical order by institution. The two page layout per project allows the sheet to be pulled out for stand-alone project information reference. This format is identical to the Capital Improvement Program Summaries (CIPS) which are updated monthly available at <http://www.finance.mnscu.edu/facilities/design-construction/projectstatus/index.html>.

SECTION 1 BACKGROUND

Project Delivery Methods

Design/Bid/Build (D/B/B) is the traditional delivery method used for the majority of our projects. Using this method, the lowest responsible bidder is awarded the project. To promote easy access of bid documents, electronic files of are posted at Minnesota State Quest CDN interface at http://qap.questcdn.com/qap/projects/prj_browse/ipp_browse_grid.html?projType=&group=70464&provider=70464

Construction Manager at Risk (CM@r) continues to gain popularity as an alternate delivery method to reduce risk for Minnesota State on large complex projects. Since CM@r was implemented in 2012, there are 28 projects that used this delivery method with construction amount totaling \$424 million. As of the end of this reporting period, a total of 18 projects have been completed or are in close out using this delivery system. This report includes 12 projects in design, construction or closeout.

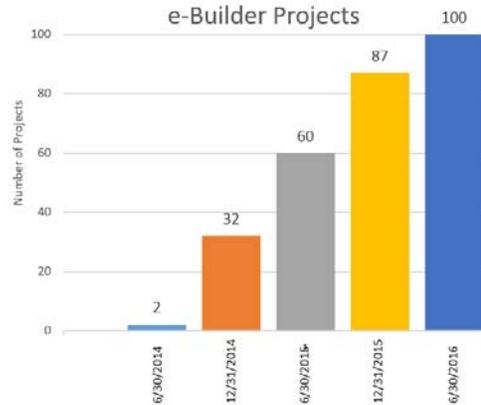
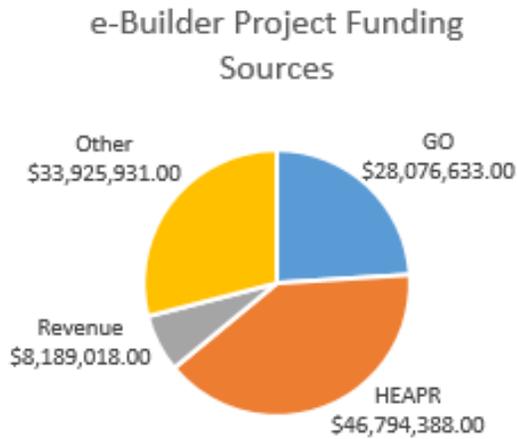
CM@r allows the construction manager (general contractor) to be selected during the design phase based on combination of qualifications and fees. After a Guaranteed Maximum Price (GMP) is established, project elements are issued for bid, to a list of subcontractors that were pre-qualified by the construction manager. Although there is additional work up front for selection of the construction manager, the benefits of their involvement in the design phase makes this method preferable for some of our significant capital projects.

Guaranteed Energy Savings Program (GESP) is an alternative means for financing and delivering energy efficiency, renewable energy and facilities renewal projects. GESP Master Contracts were established by the Minnesota Department of Commerce in response to Governor's Executive Order 11-12. Financing is via lease-purchase agreement based on a performance contract which uses guaranteed energy savings from the project to pay off the lease over a period of time. If actual savings are not realized, the GESP vendor pays the difference between actual savings and agreed upon savings.

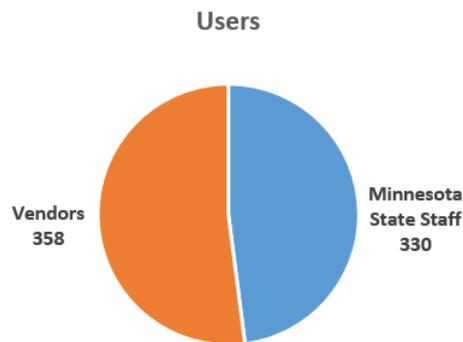
In previous reporting periods, the Board of Trustees approved GESP projects at Riverland Community College and MSU, Mankato. In this reporting period, the GESP contractor is completing construction work at Riverland Community College. MSU, Mankato plans to start bidding out work shortly.

Enterprise Project Management System

“e-Builder” has been the system’s project management platform since 2013. Effective January 2016, all new projects were required to be managed in e-Builder. At the end of this reporting period, project amounts totaled \$117 million. The 100 projects managed in e-Builder is an increase of 20% from previous reporting period.



At the end of this reporting period, there are 688 users. Number of vendor users and Minnesota State staff users are almost equal. We anticipate the number of vendors will grow while Minnesota State staff users will remain relatively constant.



As the number of projects managed in e-Builder increases, the amount of data generated from e-Builder for this report will correspondingly continue to increase. In this report, Individual Project Summaries (Section 3) for 11 projects obtained their data from e-Builder.

Contracts over One Million Dollars Funded with Campus Resources

The following Board approved contracts greater than \$1 million were executed in this reporting period with campus resources.

College/University	Project Name	Contract Type & Amount (1)	Vendor Name
Inver Hills Community College	Activities Building Renovation Phase I	Construction \$1,008,200	Parkos Construction Co.
St Cloud State University	Mitchell Hall Plumbing Updates	Construction \$1,126,013	Versacon, Inc.
Minnesota State University Moorhead	Snarr Hall South Renovation	Est. Construction \$ 6,400,000	McGough Construction
Vermilion Community College	Residence Hall	Construction \$1,430,517 (2)	Kraus Anderson Construction Co.

Note: (1) Amount identified is original contract amount and does not reflect any change orders.

(2) Project funds include: \$4,500,000 Revenue, \$1,100,000 MFHA grant, \$350,000 IRRRB grant, and \$500,000 campus funds totaling \$6,450,000. Construction contract totals \$5,546,600 of which \$1,423,000 are grants and campus funds. See table at bottom of page.

Contracts over One Million Dollars Funded with GO bond fund, HEAPR and Revenue fund

The following contracts greater than \$1 million were executed in this reporting period funded by GO bond fund, HEAPR and Revenue Fund. Contract approval was part of the Board's overall program approval.

College/University	Project Name	Contract Type & Amount (1)	Vendor Name
Anoka Technical College	Manufacturing and Auto Technology Hub Renovation	Construction \$1,603,000	Ebert, Inc.
Dakota County Technical College	Transportation and Emerging Technologies, PH II	Construction \$5,966,000	Jorgenson Construction, Inc.
St Cloud State University	Replace Exterior Brick, Stewart Hall	Construction \$1,438,000	Innovative Masonry Restoration, LLC
Saint Paul College	Health & Science Alliance Center	Construction \$14,250,000	Knutson Construction Service, Inc.
St Cloud Technical & Community College	HSB Envelope Replacement	Construction \$1,111,428	Donlar Construction Co.
Vermilion Community College	Residence Hall	Construction \$4,031,650 (2)	Kraus Anderson Construction Co.

Note: (1) Amount identified is original contract amount and does not reflect any change orders.

(2) Project funds include: \$4,500,000 Revenue, \$1,100,000 MFHA grant, \$350,000 IRRRB grant, and \$500,000 campus funds totaling \$6,450,000. Construction contract totals \$5,546,600 of which \$4,123,600 is Revenue funds. See table at top of page.

SECTION 2 PROGRAM SUMMARIES

General Obligation (GO) Bond Fund Capital Program Summary

General Obligation (GO) bonds provide funding for the majority of capital projects on Minnesota State campuses and can be used to acquire, construct, renovate and demolish academic facilities. These bonds are an obligation of the state and backed by the full faith and credit of the State of Minnesota. They are typically issued for 20 years. The state requires higher education systems to pay one-third the cost of debt service of the bonds associated with these major capital projects. For Minnesota State, this one-third debt service is split between the campus and the system with each paying one-sixth of the overall debt service.

Higher Education Asset Preservation and Repair (HEAPR) is also funded out of GO bond proceeds, but the state carries the entire cost of the debt service. The HEAPR Program is covered in greater detail in the next section. Supplemental funding for these major capital projects may come from private donors, federal and state grants, and campus general operating funds.

GO Bond Fund Capital Program Financial Spending Table for 2002-2015 Appropriations

Year	Appropriation Amount	Number of Projects	Encumbrance Percentage	Spent Percentage	Free Balance Percentage
2002	\$98,847,000	11	100%	100%	0%
2003	\$59,615,000	18	100%	100%	0%
2005	\$172,864,465	75	100%	100%	0%
2006	\$162,211,711	46	100%	100%	0%
2008	\$181,125,090	45	100%	100%	0%
2009	\$1,767,550	2	100%	100%	0%
2010	\$52,416,971	17	100%	100%	0%
2010C	\$1,952,029	12	100%	100%	0%
2011	\$101,118,887	7	100%	99.6%	0%
2011C	\$467,113	3	100%	90.5%	0%
2012	\$108,793,754	21	99.9%	99.7%	0.06%
2012C	\$3,332,246	16	65.7%	52.6%	34.4%
2014	\$117,134,230	26	93.8%	80.3%	6.2%
2014C	\$177,770	3	18.3%	18.3%	81.7%
2015	\$31,943,000	5	76.3%	5.9%	23.7%

Note: "C" indication after year identifies GO funds converted to HEAPR

General Obligation (GO) Bond Fund Capital Project List

The following is a list of 20 General Obligation bond fund capital projects that were active during this reporting period of January 1, 2016 – June 30, 2016. Status of each project as of June 30, 2016 is noted.

At the end of this report is an Appendix with individual project summaries (two-page pull out sheets) arranged alphabetically by college and university. The two-page, front-to-back project layout allows the sheet to be pulled out for stand-alone project information reference.

Minnesota State College/University

Campus/Project	Status
Anoka Technical College	
Manufacturing and Automotive Technical Lab Renovation	<i>Construction</i>
Bemidji State University	
Academic Learning Center, Campus Renovations and Hagg Sauer Demolition	<i>Design</i>
Memorial, Decker Renovation, Sanford Hall Demolition	<i>Closeout</i>
Century College	
Digital Fab Lab Renovation, Kitchen Space Renovation and Renewal, Solar Technician Lab Renovation	<i>Closeout</i>
Dakota County Technical College	
Transportation and Emerging Technical Lab Renovation – Phase II	<i>Construction</i>
Lake Superior College	
Allied Health (86' Wing) Renovation	<i>Closeout</i>
Metropolitan State University	
St. Paul Science Education Center New Construction	<i>Closeout</i>
Minneapolis Community and Technical College	
Workforce Program Phase 2 Renovation	<i>Closeout</i>
Minnesota State Community and Technical College	
Moorhead Transportation Center Addition, Renovation and Demolition	<i>Construction</i>
Minnesota State University, Mankato	
Clinical Science Facility New Construction and Renovation	<i>Construction</i>

Minnesota State College/University	Status
Campus/Project	
Minnesota West Community Technical College	
Canby Englund Hall HVAC Upgrades	<i>Design</i>
Jackson Powerline Technician Training Facility	<i>Bid/Award</i>
NHED-Hibbing Community College	
Campus Renovation and Rightsizing	<i>Design</i>
NHED-Itasca Community College	
Biomass Boiler System	<i>Construction</i>
NHED-Vermilion Community College	
Art Classroom and Natural Science Labs Renovation	<i>Closeout</i>
Natural Science Labs Renovation	
Northland Community and Technical College	
Thief River Falls Aviation Maintenance Facility Addition and Demolition	<i>Closeout</i>
Rochester Community and Technical College	
Memorial and Plaza Halls Demolition Design and Renovation	<i>Design</i>
St. Cloud State University	
Student Health and Academic Renovation, Eastman Hall	<i>Design</i>
Saint Paul College	
Health and Science Alliance Center Addition	<i>Construction</i>
Winona State University	
Education Village Phase I & II Renovation	<i>Design</i>

**General Obligation (GO) Bond Fund
Higher Education Asset Preservation and Replacement (HEAPR)
Program Summary**

HEAPR funds are provided through GO bonding and are allocated to campuses to perform repair and replacement of major building systems. As required by Minnesota Statute 135A.046, capital budget expenditures for HEAPR projects must be for one or more of the following: code compliance including health and safety, Americans with Disabilities Act requirements, hazardous material abatement, access improvement, air quality improvement, building energy efficiency improvements using current best practices, building or infrastructure repairs necessary to preserve the interior and exterior of existing buildings, or renewal to support the existing programmatic mission of the campuses.

HEAPR Program Financial Spending Table for 2002-2015 Appropriations

Year	Appropriation Amount	Number of Projects	Encumbrance Percentage	Spent Percentage	Free Balance Percentage
2002	\$59,999,254	171	100%	100%	0%
2003	\$101,000	1	100%	100%	0%
2005	\$41,500,000	80	100%	100%	0%
2006	\$40,153,878	101	100%	100%	0%
2008	\$59,599,910	137	100%	100%	0%
2009	\$40,000,000	159	100%	100%	0%
2010	\$52,000,000	154	100%	100%	0%
2010C	\$1,952,029	12	100%	100%	0%
2011	\$30,000,000	132	100%	100%	0%
2011C	\$467,113	3	100%	90.5%	0%
2012	\$20,000,000	70	100%	99.5%	0%
2012C	\$3,332,246	16	65.7%	52.6%	34.4%
2014	\$42,500,000	73	85.7%	73.8%	14.3%
2014C	\$177,770	3	18.3%	18.3%	81.7%

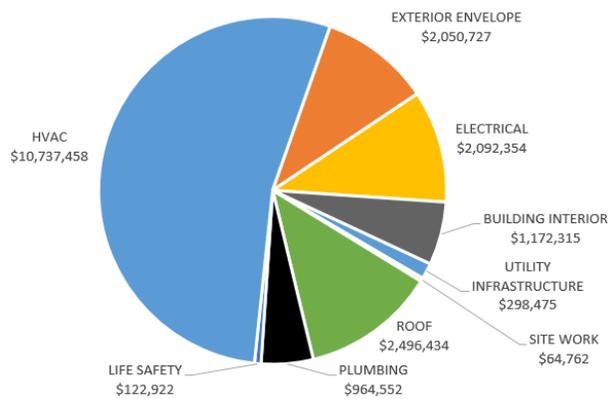
Note: "C" indication after year identifies GO funds converted to HEAPR

General Obligation (GO) Bond Fund Higher Education Asset Preservation and Replacement (HEAPR) Categories of work types

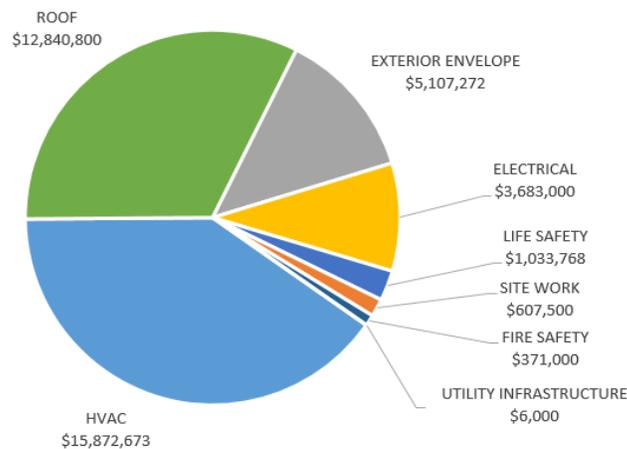
HEAPR 10 work categories distribution are shown below for 2012 and 2014 HEAPR appropriations.

- Building interior
- Electrical
- Exterior envelope
- Fire Safety
- HVAC
- Life Safety
- Plumbing
- Roof Replacement
- Site Work
- Utility Infrastructure

2012 HEAPR by Category



2014 HEAPR by Category



Revenue Fund Program Summary

The Board of Trustees of the Minnesota State maintains statutory authority to issue revenue bonds to provide funding for construction, renovation, and renewal of Revenue Fund facilities. Revenue Fund facilities include, but are not limited to, residence halls, student unions, health and wellness centers, recreational facilities, and parking structures. Both colleges and universities can participate in the Revenue Fund.

Debt obligations of the Revenue Fund, unlike capital appropriations for academic facilities, are backed solely by the revenue generated from the physical assets in the Revenue Fund and are not debt obligations of the State of Minnesota.

Revenue Fund Financial Spending Table for 2002-2015

Year	Appropriation Amount	Number of Projects	Encumbrance Percentage	Spent Percentage	Free Balance Percentage
2002	\$36,275,000	14	102.0%	102.0%	0%
2005	\$45,320,000	6	112.0%	112.0%	0%
2007	\$43,070,000	4	103.7%	103.7%	0%
2008	\$41,020,000	3	100.7%	100.7%	0%
2009	\$35,810,000	6	100.2%	100.2%	0%
2011 A&B	\$85,800,000	10	100.2%	100.2%	0%
2011 C	\$12,000,000	1	100.1%	100.1%	0%
2013	\$60,382,798	7	97.6%	96.7%	2.6%
2015	\$46,040,080	4	78.1%	58.1%	12.5%

Note: The final percentage of expenditures will always be greater than 100% due to accruing investment interest.

Revenue Fund Program Project List

The following is list of five active Revenue Fund Program Projects that were active during this reporting period of January 1, 2016 – June 30, 2016. Status of each project as of June 30, 2016 is noted.

At the end of this report is an Appendix with individual project summaries (two-page pull out sheets) arranged alphabetically by college and university. The two-page, front-to-back project layout allows the sheet to be pulled out for stand-alone project information reference.

Minnesota State College/University

Campus/Project	Status
Metropolitan State University	
St. Paul Parking Ramp	<i>Closeout</i>
St. Paul Student Center	<i>Closeout</i>
Minnesota State University, Mankato	
Dining Services Building	<i>Construction</i>
Minnesota State University Moorhead	
Comstock Memorial Union Addition and Renovation	<i>Closeout</i>
NHED-Vermilion Community College	
Student Housing	<i>Construction</i>

Other Fund Summary

Other funds include funds from private donations, federal and state grants, and campus general operating funds. Some of these funding sources supplement GO Bond Fund Capital and HEAPR, and Revenue Bond Fund projects and some become standalone projects.

Other Fund Program Financial Spending Table for 2002-2016

Fiscal Year	Amount	Spent Percentage	Free Balance Percentage
2002	\$4,197,261	100%	0%
2005	\$200,265	100%	0%
2006	\$8,625,506	100%	0%
2008	\$3,366,341	100%	0%
2010	\$1,476,957	100%	0%
2012	\$4,643,648	100%	0%
2013	\$374,333	100%	0%
2014	\$13,158,200	79.4%	5.4%
2015	\$2,590,579	86%	6.4%
2016	\$3,997,819	54%	0%

The significant increase in 2014 is primarily due to city sales tax for shared athletic and CTECH facilities at Rochester Community & Technical College.

The significant increase in 2016 is primarily due to financing for Guaranteed Energy Saving Program at Riverland Community College and a special Housing grant for Northland Community and Technical College.

SECTION 3 PROJECT SUMMARIES

Appendix

The following 25 individual project summaries (two-page pull out sheets) funded by General Obligation Bond Fund Capital Program and Revenue Fund Program arranged alphabetically by college and university. Data is current as of June 30, 2016. Project summaries are updated monthly and available at <http://www.finance.mnscu.edu/facilities/design-construction/projectstatus/index.html>.

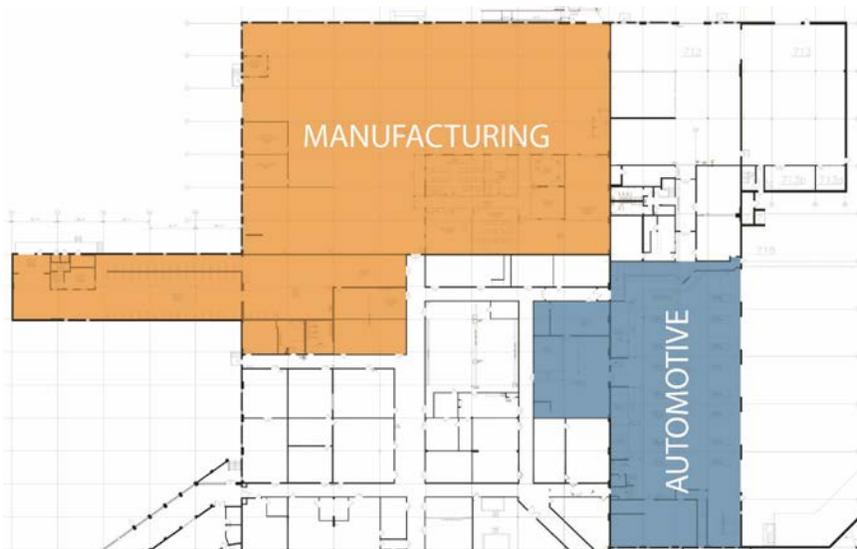
ANOKA TECHNICAL COLLEGE

Manufacturing and Automotive Technical Lab Renovation



CAMPUS PLAN

Campus website: www.anokatech.edu



PROJECT DESCRIPTION

The Manufacturing Technology Hub creates a workspace conducive to collaboration between Anoka Tech's Machine Trades, Welding and Mechanical Drafting and Design Technology programs. The proposed renovation will provide a collaborative environment where Design and Manufacturing students will interact while building on each other's abilities and skills. Upgrades in acoustics and mechanical systems will improve overall safety. The Automotive Technology Renovation will update classrooms and shop areas in order to accommodate the increased demand in the program and update curriculum to stay ahead of industry demand.

Students will benefit from training in real-world setting with 9 newly renovated classrooms/labs.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

September 2016

PROJECT FUNDING

\$ 2,114,000 2015 State G.O. Bonds (Design & Construction)

\$ 2,114,000 Total

PROJECT HIGHLIGHTS

Area: 42,000 GSF
 Estimated Construction Cost: \$1,585,000.00
 Construction Bid Award: \$1,603,000.00
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Roger Freeman
 SO Program Manager: Karen Huiett
 Architect/Engineer: Stanley Consultants, Inc.
 Contractor: Ebert Construction
 Owner's Representative: Knight Inspection Service

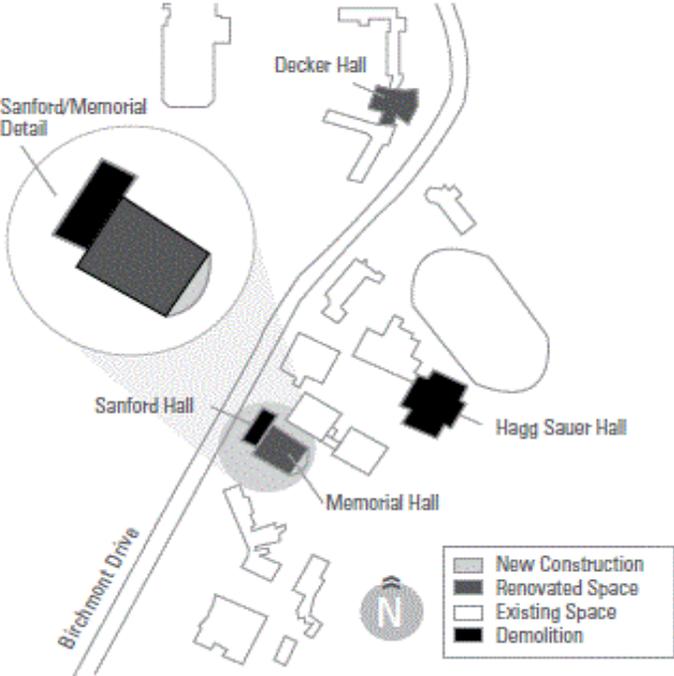
PROJECT SCHEDULE

2015												2016											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
								AE	SD			DD	CD	BA				CON				CO	

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

BEMIDJI STATE UNIVERSITY

Academic Learning Center, Campus Renovation and Hagg Sauer Demolition



CAMPUS PLAN - Bemidji

Campus website: www.bemidjistate.edu



Hagg Sauer Hall

PROJECT DESCRIPTION

This project provides for the demolition and replacement of Hagg-Sauer Hall, a 82,500 GSF severely outdated classroom and office space building, with a state-of-the-art 25,000 GSF classroom and learning center. Additionally, significant renovation of 72,100 GSF of existing space on campus will occur in: Bensen

Hall, Sattgast Hall, Bridgeman Hall, Bangsford Hall, and A.C. Clark Library.

PROJECT STATUS

Design

PROJECT CONSTRUCTION COMPLETION DATE

October 2018

PROJECT FUNDING

\$ 1,000,000 2014 State G.O. Bonds (Demolition)

\$ 18,097,000 Planned 2016 State G.O. Bonds (Construction)

\$ 19,097,000

PROJECT HIGHLIGHTS

Area: Remodel 72,100 GSF
 New 25,000 GSF
 Demolition 82,500 GSF

Estimated Construction Cost: \$ 15,000,000
 Construction Bid Award: \$ TBD
 Project Delivery Method: Construction Manager at Risk (CM@r)

PROJECT TEAM

Campus Project Manager: Karen Snorek
 SO Program Manager: Kent Dirks
 Architect/Engineer: Bentz / Thompson / Rietow Architects
 Contractor: Terra General Contractors
 Owner's Representative: AFO Consultants

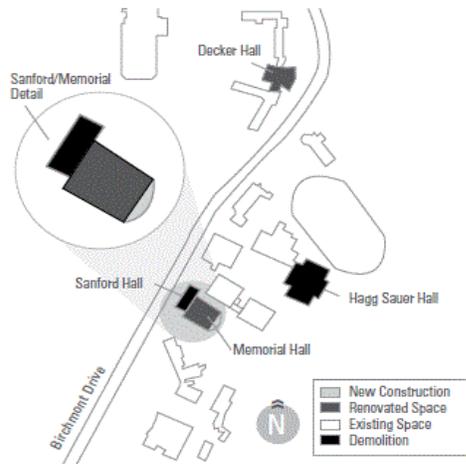
PROJECT SCHEDULE

2015				2016				2017				2018				2019																			
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
	AE		SD		DD	CD	CD	BA				CON								CO															

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

BEMIDJI STATE UNIVERSITY

Memorial, Decker Renovation, Sanford Hall Demolition



CAMPUS PLAN - Bemidji

Campus website: www.bemidjistate.edu



Memorial Hall



Decker Hall

PROJECT DESCRIPTION

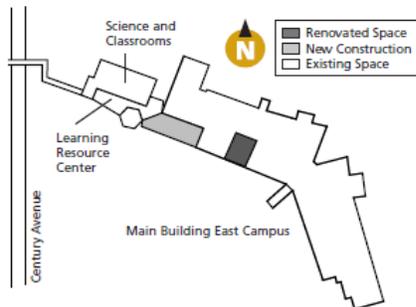
This project provides for the renovation of Memorial and Decker Halls, the demolition of Maple and Sanford Halls and a small addition to Memorial Hall. Design funding for the entire project and funds to demolish Maple Hall have been included in the 2012 Capital Bonding bill. A future capital bonding request for remaining demolition and construction will be requested in 2014.

Memorial Hall renovation addition will accommodate the relocation of the College of Business from Decker Hall (located in the residential area of campus), back into the academic heart of the University. Newly renovated Memorial Hall will give the business program the visibility and corporate image it needs to continue its growth.

Demolition of Maple Hall is an important phase of the long range residential life facilities plan. Student service functions currently in Sanford Hall will be moved to a remodeled Decker Hall. Decker Hall will bring together student life and student support services into a location which is central to instructional facilities and the residence halls.

CENTURY COLLEGE

Digital Fab Lab Renovation
Kitchen Space Renovation and Renewal
Solar Technician Lab Renovation



CAMPUS PLAN – White Bear Lake

Campus website: www.century.edu



PROJECT DESCRIPTION

This project bundles three initiatives together for efficiency and to lower costs for design and construction. The combined project renovates a large section of the second floor east campus, which previously housed several classrooms, a vacated dental lab and an underutilized classroom kitchen. With the renovation of 3,450 square feet, the new Fabrication and Innovation Lab combines the original “Kitchen/Classroom” proposal with the “Fab Lab” proposal into an integrated classroom and lab space. In addition to the Fabrication and Innovation Lab, the space will include a classroom and a lab for Engineering. The FAB lab’s flexibility, safety and usability will be improved and expanded, allowing broader use of the lab across multiple disciplines within the College and with various College partners. The College will invest campus funds make improvements to the service kitchen. By eliminating obsolete kitchen facilities and renovating to new active learning classrooms, the proposed project maximized the efficient use of space and demonstrates an investment to preserve and project facilities, infrastructure, and reduces operating costs. The Solar Lab project will renovate 1,200 square feet of space on the first floor vacated by the Fab Lab. The new space will provide opportunities for improved instructional techniques through the use of mobile workstations that reproduces the work environment of photovoltaic solar installers and makes better use of the limited space.

The restrooms adjacent to the current kitchen, which is the main restrooms for the east wing, will be upgraded with College funds as part of the project. The College also intends to improve the appearance of the corridor adjacent to the Fabrication and Innovation Lab.

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

March 2016

PROJECT FUNDING

\$2,020,000 2014 State G.O. Bonds (Design/Construction)
\$1,200,000 Campus Funds
 \$3,220,000 Total

PROJECT HIGHLIGHTS

Renovation: 17,700 GSF
 Estimated Construction Cost: \$1,806,000
 Construction Bid Award: \$1,967,200
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Pat Opatz
 SO Program Manager: Jim Morgan
 Architect/Engineer: LHB
 Contractor: Morcon Construction
 Owner's Representative: NA

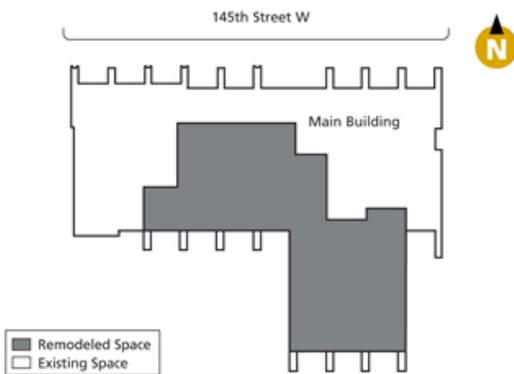
PROJECT SCHEDULE

2014												2015												2016											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
					AE		AE			DSN		BA					CON						CO												

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

DAKOTA COUNTY TECHNICAL COLLEGE

Transportation and Emerging Technical Lab Renovation



CAMPUS PLAN - Rosemount

Campus website: www.dctc.edu



PROJECT DESCRIPTION

This project is phase 2 for renovation of the Heavy Duty Truck program, Heavy Construction Equipment program, multiuse classrooms, and common use spaces. New space will be recovered for possible new and existing emerging technology programs such as Mass Transit Technologies, Biomedical Equipment, Nanoscience Technology and Energy Technical Specialists. This project remodels instructional spaces that augment high-wage and high-demand transportation programs. The project will alleviate cramped spaces, improve wayfinding, and provide student gathering spaces that are appropriate for a higher education institution. Completion of this project will allow DCTC to accomplish significant components of the master plan. This project renovates areas of the college that have not undergone a remodel since its original construction in 1973. More than 1200 students will benefit from the improved classrooms and laboratory spaces. All of DCTC's 2,232 students will enjoy the enhanced collegiate environment in the Commons area.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

Phase 2A, August, 2016. Phase 2B, August, 2017.

PROJECT FUNDING

\$ 200,000 2008 State G.O. Bonds (Design) Phase 1 & 2
 \$ 7,230,000 2012 State G.O. Bonds (Design & Construction) Phase 1
\$ 7,430,000 2015 State G.O. Bonds (Design & Construction) Phase 2
 \$14,860,000

PROJECT HIGHLIGHTS

Area: Remodel 68,000 GSF
 Addition 2,962 GSF

Estimated Construction Cost: \$6,070,000
 Construction Bid Award: \$5,966,000
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Paul DeMuth
 SO Program Manager: Karen Huiett
 Architect/Engineer: TKDA Architects and Engineers
 Contractor: Jorgenson Construction
 Owner's Representative: AFO Consultants

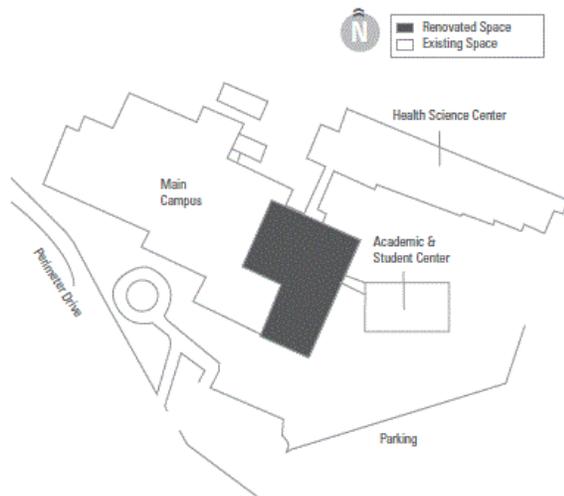
PROJECT SCHEDULE

2015												2016												2017											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
					AE	SD	DD	CD	BA	CON	CO																		CON	CO					

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction Phases 2A,2B
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

LAKE SUPERIOR COLLEGE

Allied Health ('86 Wing) Renovation



CAMPUS PLAN - Duluth

Campus website: www.lsc.edu



PROJECT DESCRIPTION

Design, renovate, furnish and equip the Allied Health (86'Wing). This is Phase 2 of the Health Science Center, which renovates, remodels and updates approximately 41,000 GSF of classrooms and labs in the Allied Health and Science programs in the '86 Wing of the main building. Phase 1 was completed in August of 2011. The renovation will create opportunities for hands-on training in Physical Therapist Assistant, Dental Hygiene, Massage Therapist, Nursing Assistant and Radiologic Technology. The project focuses on updating outdated facilities by upgrading technology to meet 2014 educational standards, as well as to simulate current technology used within Allied Health and science facilities. The project will also provide larger general classrooms to improve utilization ratios, and general use/support spaces to accommodate continued high enrollment in allied health programs.

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

August 2015

PROJECT FUNDING

\$ 77,000 2006 State G.O. Bonds (Design)
 \$ 127,000 2010 State G.O. Bonds (Design)
\$ 5,226,000 2014 State G.O. Bonds (Design/Construction)
 \$ 5,430,000 Total

PROJECT HIGHLIGHTS

Area: Remodel 41,000 GSF
 Estimated Construction Cost: \$4,048,000
 Construction Bid Award: \$3,872,000
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Gary Adams
 SO Program Manager: Jim Morgan
 Architect/Engineer: LHB Architects and Engineers
 Contractor: Kraus Anderson
 Owner's Representative: Pegasus Group

PROJECT SCHEDULE

2014												2015												2016											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
DD					CD															CON												CO			

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

METROPOLITAN STATE UNIVERSITY

St. Paul Parking Ramp



CAMPUS PLAN – St. Paul

Campus website: www.metrostate.edu



PROJECT DESCRIPTION

This project designs, constructs, and equips a new 750 stall parking ramp on the Metropolitan State University campus. This is designed to address accommodate current as well as future growth of the university. The new parking ramp will be located mid-block along Bates and be oriented east west with an entrance/exit onto Bates and entrance to and exit from Maria. The Bates edge will consist of four levels of parking while the portion near Maria will be five levels, accommodating approximate 750 cars that would allow for a future 5th deck and a phase 2 addition, to create a total of approximately 1,090 parking stalls. Additionally, approximately 123 stalls of surface parking will be developed in conjunction with the ramp. Design of the parking ramp will be coordinated with the design of a new student center.

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

July 2015

PROJECT FUNDING

\$19,199,000 2013 Revenue Bonds (Design/Construction)
\$ 2,201,000 Campus Revenue Reserves
\$21,300,000 Total

PROJECT HIGHLIGHTS

Area: New 240,000 GSF
 Estimated Construction Cost: \$14,937,417
 Construction Bid Award: \$14,584,000
 Project Delivery Method: Construction Manager at Risk

PROJECT TEAM

Campus Project Manager: Dan Hambrock
 SO Program Manager: Jim Morgan
 Architect/Engineer: Miller Dunwiddie
 Construction Manager: Adolphson & Peterson Construction
 Owner's Representative: CPMI

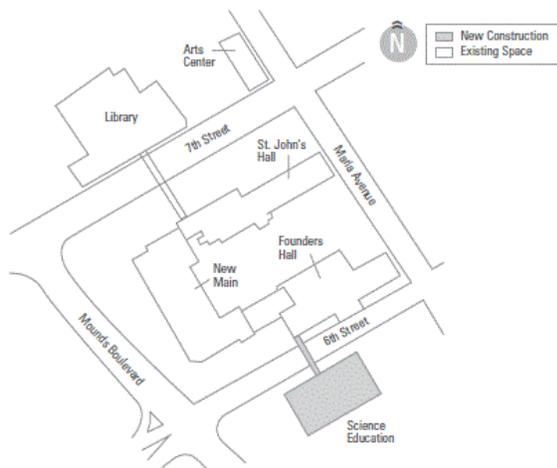
PROJECT ACTUAL/FORECAST SCHEDULE

2014					2015					2016													
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
	D	CD	B		CON					CO													

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

METROPOLITAN STATE UNIVERSITY

St. Paul Science Education Center New Construction



CAMPUS PLAN – St. Paul

Campus website: www.metrostate.edu



PROJECT DESCRIPTION

This Project consists of design, construct, furnish and equip a new 59,000 gross square foot Science Education Center Building. Included in the scope of work is remodeling of 3,600 assignable square feet of existing in the lower level of New Main. The Science Education Center will be linked to the other campus buildings by a skyway for safety and efficient use of inter-departmental space sharing.

Science Education Center will provide the science facilities necessary to support our rapidly growing Nursing and Health Science programs. Metropolitan State currently offers three Science degrees (Biology (BA); Biology (BS); and Life Sciences Teaching (BS)) and two minors (Chemistry and Physics), taught in under-equipped and under-sized labs on two campuses. It will support five additional degrees: Earth and Space Teaching (BS), Earth Science (BS), Chemistry Teaching (BS), Chemistry (BS), and Environmental Studies (BA).

METROPOLITAN STATE UNIVERSITY

St. Paul Student Center



CAMPUS PLAN – St. Paul

Campus website: www.metrostate.edu



PROJECT DESCRIPTION

To design, construct, and equip a new Student Center on the Metropolitan State University campus. The Student Center building will be approximately of 27,500 sf on two levels, located along East 7th Street, between Maria Avenue to the west and Bates Avenue to the east. The Student Center will provide students a unique set of services and spaces that currently do not exist on the St. Paul campus, such as Informal Lounge/Study space, food service operations featuring a combination of grab and go foods as well as freshly prepared food options, a Flexible Programming Space for events, a Workout Room, and a Student Involvement Suite.

MINNEAPOLIS COMMUNITY AND TECHNICAL COLLEGE

Workforce Program Phase 2 Renovation



CAMPUS PLAN - Minneapolis

Campus website: www.minneapolis.edu



PROJECT DESCRIPTION

The project will provide air conditioning for the lower levels of the T Building and Bowman Hall. The project also includes security system upgrades at the lower level access, repairs to the deteriorating T Building street level masonry planters, and rehabilitation to the receiving dock drive, walkway, security, drainage, and enclosing masonry walls. This project will enhance learning environment with improved outside air delivery and increase overall human comfort in the Workforce Program and Athletics spaces. This project address a significant amount of deferred maintenance in the two buildings.

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

August 2015

PROJECT FUNDING

\$ 400,000 2008 State G.O. Bonds (Design Phase 1 & Phase 2)
\$3,600,000 2012 State G.O. Bonds (Design/Construction)
 \$4,000,000 Total

PROJECT HIGHLIGHTS

Area: Renovate 90,470 GSF
 Estimated Construction Cost: \$2,900,000
 Construction Bid Award: \$2,836,467
 Project Delivery Method: Construction Manager at Risk

PROJECT TEAM

Campus Project Manager: Roger Broz
 SO Program Manager: Jim Morgan
 Architect/Engineer: Cunningham Group
 Construction Manager: Mortenson
 Owner's Representative: Pegasus Group

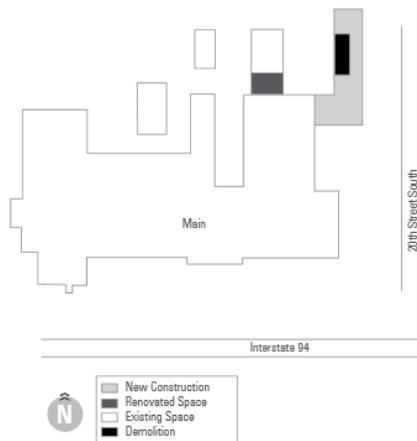
PROJECT SCHEDULE

2008			2009					2010-2013					2014					2015					2016																			
S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
AE				SD																																						

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

MINNESOTA STATE COMMUNITY AND TECHNICAL COLLEGE

Moorhead Transportation Center Addition, Renovation and Demolition



CAMPUS PLAN - Moorhead

Campus website: www.minnesota.edu



PROJECT DESCRIPTION

This project is to design and construct of an expansion to the Transportation Center for the automotive and diesel technology programs on the Moorhead campus of Minnesota State Community and Technical College. This project consists of two new laboratories of approximately 21,191 square feet and renovation of 1,017 square feet of existing laboratory space. The two new laboratories will be used by the diesel technology program to accommodate modern larger diesel agriculture, construction and transportation equipment, and to relieve unsafe congestion in the existing laboratories.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

June 2016

PROJECT FUNDING

\$6,544,000 2014 State G.O. Bonds (Design and Construction)
\$6,544,000

PROJECT HIGHLIGHTS

Area: New 21,191 GSF Renovation 1,017
 Estimated Construction Cost: \$ 4,882,657
 Construction Bid Award: \$4,111,000
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Matt Sheppard
 SO Program Manager: Kent Dirks
 Architect/Engineer: JLG Architects
 Contractor: Gast General Contractors
 Owner's Representative: CPMI

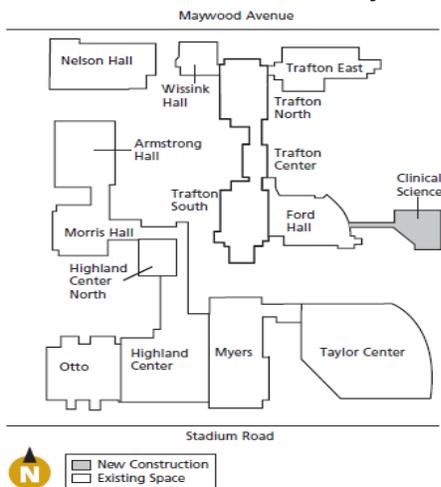
PROJECT SCHEDULE

2014					2015					2016													
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
				AE	SD	DD	CD	BA	CON					CO									

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

MINNESOTA STATE UNIVERSITY, MANKATO

Clinical Sciences Facility New Construction and Renovation



CAMPUS PLAN - Mankato

Campus website: www.mnsu.edu



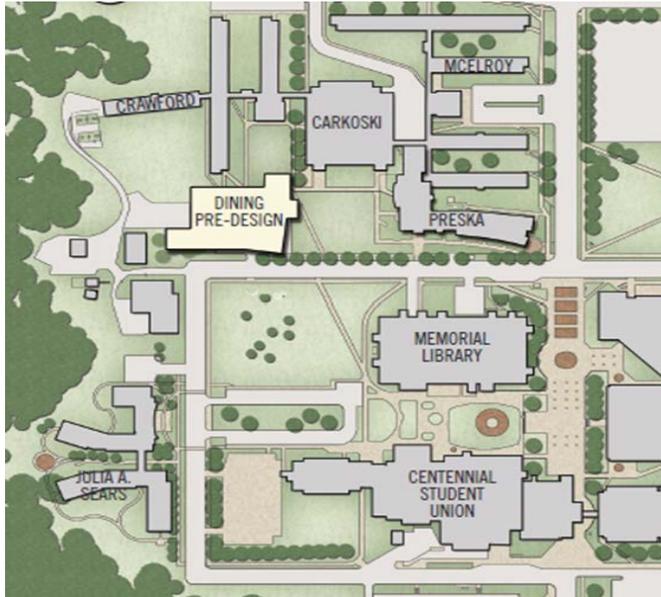
PROJECT DESCRIPTION

This project designs, constructs, furnishes and equips a new Clinical Science Building to support the programs of the college of Allied Health and Nursing. The project includes new classroom and laboratory building spaces and remodeling of vacated and occupied spaces after construction of the new facility. The project will consolidate portions of academic programs from eight separate buildings across the campus into a new building to improve working and learning relationships among multiple related departments in the University.

The project will provide faculty and administrative offices, teaching laboratories, classrooms, student/faculty interaction spaces, and some new space types currently not available. Existing spaces vacated in various campus buildings will be renovated into laboratory, office and classroom spaces to alleviate overall campus shortfall of these space types. The project plan will complete design of both the new facility and the remodeled areas with funds appropriated from the 2012 legislative session. Bidding and construction funds for the new building were appropriated from the 2014 legislative session and bidding and construction funds for the remodeling are anticipated from the 2016 legislative session.

MINNESOTA STATE UNIVERSITY, MANKATO

Dining Services Building



CAMPUS PLAN - Mankato

Campus website: www.mnsu.edu



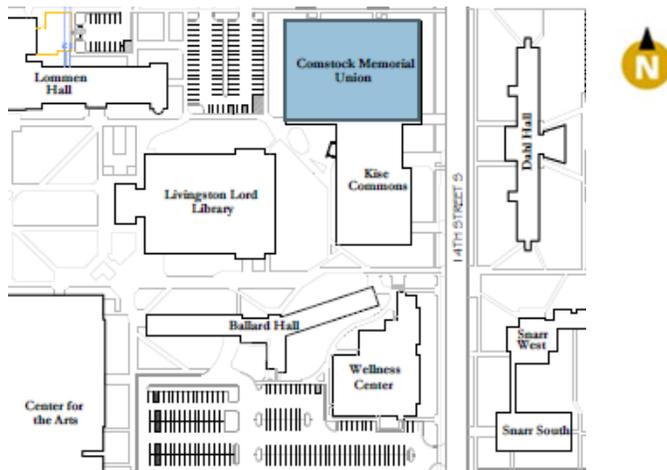
PROJECT DESCRIPTION

This project consists of the design and construction of a new residential Dining Services Building on the Minnesota State University, Mankato Campus of approximately 60,600 GSF.

The project includes a variety of dining venues, servery, kitchen, food storage, bakery, loading and receiving, residential life maintenance/repair and support shops and related utilities and support spaces. The existing dining facility, the Carkoski Commons building, will remain in place until 2019 or later, when it will be demolished to make room for the next phase of student housing.

MINNESOTA STATE UNIVERSITY MOORHEAD

Comstock Memorial Union Addition and Renovation



CAMPUS PLAN - Moorhead

Campus website: www.mnstate.edu



PROJECT DESCRIPTION

This project designs, furnishes and equips a 5,500 gross square feet addition and 37,000 gross square feet of renovation of Comstock Memorial Union. While providing gathering and socializing spaces, the new and renovated spaces will; improve visual connections throughout the building to student involvement programs, update finishes, lighting, HVAC, fires alarm systems and improve ADA accessibility throughout.

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

April 2016

PROJECT FUNDING

\$4,500,000 2015 Revenue Bonds (Design & Construction)
\$4,384,808 Campus Funds (Design & Construction)
 \$8,884,808 Total

PROJECT HIGHLIGHTS

Area: New 5,500 GSF Remodel 37,000 GSF
 Estimated Construction Cost: \$6,549,995
 Construction Bid Award: \$6,319,372
 Project Delivery Method: Construction Manager at Risk

PROJECT TEAM

Campus Project Manager: Jeff Goebel
 SO Program Manager: Kent Dirks
 Architect/Engineer: Cunningham Group
 Construction Manager: Terra Construction
 Owner's Representative: CPMI

PROJECT SCHEDULE

2014				2015				2016				2017																							
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
AE		SD		DD	CD	BA	CON				CO																								

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

MINNESOTA WEST COMMUNITY AND TECHNICAL COLLEGE

Canby Campus Englund Hall HVAC Upgrades

CAMPUS

Campus website: www.mnwest.edu



PROJECT DESCRIPTION

This project provides for the design and construction of a geothermal HVAC system for Englund Hall at the Canby Campus. The project will remove existing obsolete HVAC systems and install new water-to-air replacement heating and cooling systems. The project addresses deferred maintenance at the Canby Campus due to the replacement of these obsolete mechanical systems. Funds were appropriated for the design and construction work by the 2015 special legislative session.

PROJECT STATUS

Design

PROJECT CONSTRUCTION COMPLETION DATE

To Be Determined

PROJECT FUNDING

\$ 857,000 2015 State G.O. Bonds

\$ 857,000 Total

PROJECT HIGHLIGHTS

Area: Not Applicable
 Estimated Construction Cost: TBD
 Construction Bid Award: TBD
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Lori Voss
 SO Program Manager: Barry Schaub
 Architect/Engineer: Burns & McDonnell
 Contractor: TBD
 Owner's Representative: TBD

PROJECT SCHEDULE

2015												2016												2017											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
							AE		SD										DD/CD		BA														

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Closeout
CD	Construction Document Phase		

MINNESOTA WEST COMMUNITY AND TECHNICAL COLLEGE

Jackson Powerline Technician Training Facility

CAMPUS

Campus website: www.mnwest.edu

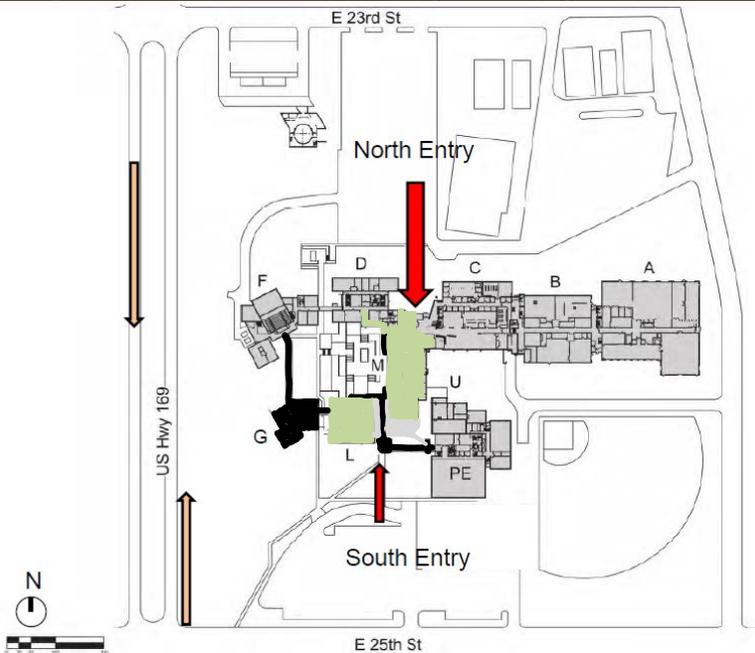


PROJECT DESCRIPTION

This project provides for the demolition of existing obsolete Building B wing on the Jackson Main campus and the subsequent design and construction of a new Powerline Technician Training Facility on the same location. The new training facility will house indoor training spaces to teach and train students in power pole installation and removal, pole climbing techniques, installation and removal of pole hardware, safe operation of auger/derrick and bucket trucks, and other maintenance techniques used by powerline workers. This indoor facility will replace the current outdoor training facility, located off campus. The project also addresses deferred maintenance at the Jackson Main Campus from the demolished Building B wing and removes under-utilized spaces. Funds were appropriated for the design and construction work by the 2015 special legislative session.

NHED - HIBBING COMMUNITY COLLEGE

Campus Renovation and Rightsizing



CAMPUS PLAN – Hibbing, MN

Campus website: www.hibbing.edu



Demolition



South Entry Addition

PROJECT DESCRIPTION

Demolish obsolete and underutilized space in Buildings G, the southwest wing of Building F and covered walkways for Buildings C, D, F, G and M. Renovate Building L and M to provide a one-stop service hub for student services, learning resources and continuing education, and construct new building to improve circulation, accessibility and create a new recognizable main entry to campus. The project will relocate and right size the existing library and relocate customized training and associated support spaces to improve overall utilization and reduce operating costs, provide access to improved technology, flexible classrooms, and modern learning environments. Current learning spaces have limited technology capabilities – sloped fixed seating classrooms of irregular shapes with low seat capacities. These variables constrain teaching opportunities and techniques. Construct a new main entry which will be highly visible and enhance the image of the campus.

PROJECT STATUS

Design

PROJECT CONSTRUCTION COMPLETION DATE

September 2017

PROJECT FUNDING

\$ 387,000 2014 State G.O. Bonds (Design)
\$ 9,958,000 Planned 2016 State G.O. Bonds (Construction)
 \$10,345,000 Total

PROJECT HIGHLIGHTS

Area: New 5,100 GSF
 Renovation 33,321 GSF
 Demolition 17,120 GSF

Estimated Construction Cost: \$7,800,000
 Construction Bid Award: TBD
 Project Delivery Method: CM@r

PROJECT TEAM

Campus Project Manager: Karen Kedrowski
 SO Program Manager: Jim Morgan
 Architect/Engineer: RRTL Architects
 Contractor: Max Gray Construction
 Owner's Representative: Hansen Construction Consulting

PROJECT SCHEDULE

2015					2016					2017					2018																				
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
AE	SD				DD		CD	BA	CA					CO																					

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

NHED - ITASCA COMMUNITY COLLEGE

Biomass Boiler System



CAMPUS PLAN – Grand Rapids, MN

Campus website: www.itasca.edu



PROJECT DESCRIPTION

Design and install a new woody biomass boiler system for the purpose of creating a national woody biomass energy demonstration and educational site in support of Minnesota's wood product industry. This project will replace ICC's existing outdated wood boiler with "state of the art" woody biomass energy conversion equipment and will position ICC to serve as a regional and national model for the effective use of woody biomass, to further develop educational opportunities and training in renewable energies, and serve as a potential applied research lab for evaluating woody biomass fuel products.

Additional 2014 HEAPR funds have been provided to replace the 48 year old steam boiler, which have exceeded their live expectancy, with two condensing hot water condensing boilers. This will simplify the central plant operations by converting everything to hot water verses partial hot water with the new Biomass boiler and steam to hot water conversion with the existing gas boilers.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

October 2016

PROJECT FUNDING

\$ 965,000 2014 State G.O. Bonds (Design & Construction)

\$ 778,757 HEAPR (Design & Construction)

\$1,743,757 Total

PROJECT HIGHLIGHTS

Area: Remodel 1,859 GSF
 Estimated Construction Cost: \$1,500,000
 Construction Bid Award: \$1,460,900
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Chad Haatvedt
 SO Program Manager: Jim Morgan
 Architect/Engineer: Stanley Consultants
 Contractor: JK Mechanical Contractors, Inc.

PROJECT SCHEDULE

2014				2015				2016				2017											
J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
	AE			DSN						BA				CON				CO					

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

PROJECT STATUS

Closeout

PROJECT CONSTRUCTION COMPLETION DATE

August 2015

PROJECT FUNDING

\$1,050,000 2014 State G.O. Bonds (Design & Construction)

\$1,050,000 Total

PROJECT HIGHLIGHTS

Area: Remodel 7,142 GSF
 Estimated Construction Cost: \$800,000
 Construction Bid Award: \$769,000
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Dave Marshall
 SO Program Manager: Jim Morgan
 Architect/Engineer: Architectural Resources, Inc.
 Contractor: T.L. Construction, Inc.
 Owner's Representative: NA

PROJECT SCHEDULE

2014												2015												2016											
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
								AE			DSN								BA			CON												CO	

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

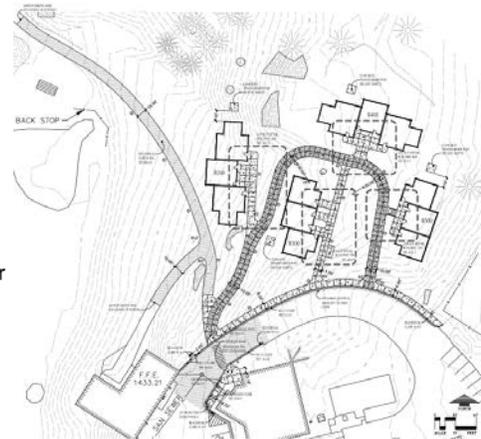
NHED - VERMILION COMMUNITY COLLEGE

Student Housing



Institution Buildings

- 1 - Residence Hall
- 2 - Modular Units
- 3 - Boiler Plant/Maintenance
- 4 - Natural Sciences
- 5 - Learning Resource Center
- 6 - Administrative Offices
- 7 - Food Service
- 8 - Connecting Link
- 9 - General Classrooms
- 10 - Performing Arts
- 11 - Physical Education



CAMPUS PLAN – Ely, MN

Campus website: www.vcc.edu



PROJECT DESCRIPTION

This project is to design and construct student housing to replace 11 existing modular housing units that have exceeded their useful lifecycle. The new Student Housing will consist of 12 townhouses, each townhouse will have the capacity for 10 students. Three townhouses are combined to form a building and there are four buildings that make up the total complex, with a total bed count of 120.

The entire project is structural wood framing placed on a cast in place concrete foundation wall and the first floor is slab on grade. A typical townhouse will have a kitchen/dining area, living room, four double occupancy bedrooms, two bathrooms (with the exception of ADA units which will have an additional bathrooms off the bedroom), coat closet and a storage room. A mechanical room for each townhouse will be accessible from the exterior only.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

June 2017

PROJECT FUNDING

2015 Revenue Bonds:	\$4,500,000 (Design & Construction)
MFHA Grant (GO BOND):	\$1,100,000 (Design & Construction)
2015 Campus Funds:	\$ 500,000 (Design & Construction)
IRRRB Grant:	\$ 350,000 (Design & Construction)
TOTAL:	\$6,450,000

PROJECT HIGHLIGHTS

Area:	Remodel 25,760 GSF
Estimated Construction Cost:	\$5,462,167
Construction Bid Award:	\$5,546,600
Project Delivery Method:	Design/Bid/Build

PROJECT TEAM

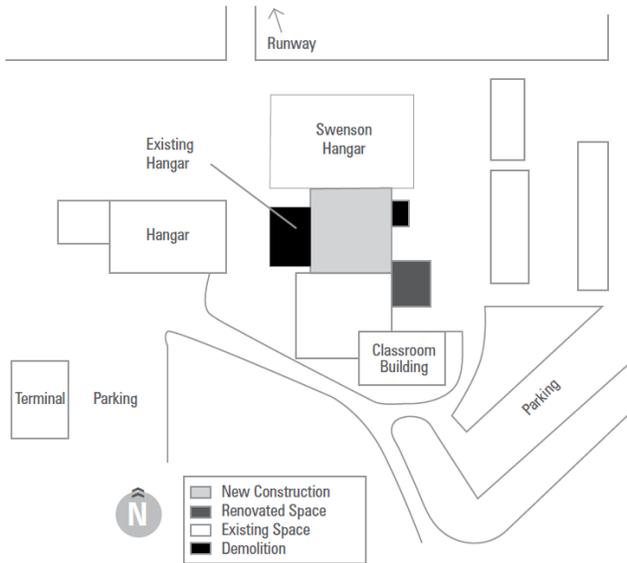
Campus Project Manager:	Dave Marshall
SO Program Manager:	Jim Morgan
Architect/Engineer:	Rafferty Rafferty Tollefson Lindeke Architects
Contractor:	Kraus-Anderson Construction
Owner's Representative:	NA

PROJECT SCHEDULE

2014					2015					2016					2017																				
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D

NORTHLAND COMMUNITY AND TECHNICAL COLLEGE

Thief River Falls Aviation Maintenance Facility Addition and Demolition



CAMPUS PLAN – Thief River Falls

Campus website: www.mnstate.edu

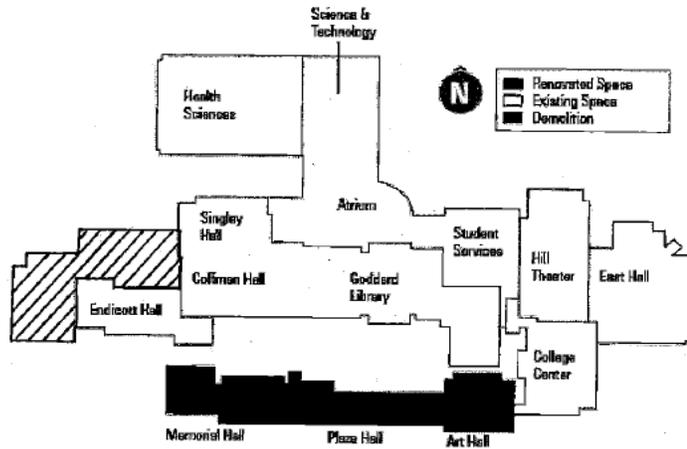


PROJECT DESCRIPTION

This project designs and renovates the existing Aviation Maintenance Technology (AMT) facilities at the NCTC airport campus. Existing facility is inadequately designed to support the future needs of the Unmanned Aerial Systems (UAS) and Imagery Analyst (IA) programming and need to be replaced. Additionally, campus airport facilities must be brought in line with today's technology standards in order to properly interface with the equipment needed for the AMT, UAS and IA training programs. To meet these needs, both the Arctic and Composite hangers will be demolished. A new multi-purpose structure connecting the Aviation Classroom Building with the Swenson Hangar will be constructed. The existing Recip Hangar will be renovated to be used as consolidated storage space. This project will allow for future training and partnerships within the industry; and, ultimately ensure that NCTC will have a significant influence in the UAS and aviation industry.

ROCHESTER COMMUNITY AND TECHNICAL COLLEGE

Memorial and Plaza Halls Demolition Design and Renovation



CAMPUS PLAN - Rochester

Campus website: www.rctc.edu



PROJECT DESCRIPTION

This project provides for the demolition design of the existing Memorial and Plaza Halls and related facilities. These halls house a large number of faculty offices, Anatomy and Physiology labs with lab preparation spaces, flexible classrooms, and support spaces in the two badly deteriorated halls. The project also includes the design for renovated and replacement spaces to relocate building occupants to improved facilities. The project also includes major campus infrastructure improvements to replace an obsolete grounds building, fuel storage and a new central chiller plant for the east campus. Funds were appropriated for the design work by the 2014 legislative session. The system expects to request additional funding in 2016 to complete the demolition, renovation, and construction of new spaces for replacement of offices, medical program labs, and classrooms.

PROJECT STATUS

Design

PROJECT CONSTRUCTION COMPLETION DATE

TBD

PROJECT FUNDING

\$ 1,000,000 2014 State G.O. Bonds (Design)
\$20,385,000 Planned 2016 Capital Budget Request (Construction)
 \$21,385,000 Total

PROJECT HIGHLIGHTS

Area: New 20,000 GSF; Remodel 11,000 GSF;
 Demolition 38,000 GSF
 Estimated Construction Cost: \$14,462,000
 Construction Bid Award: TBD
 Project Delivery Method: Design/Bid/Build

PROJECT TEAM

Campus Project Manager: Shayn Jensson
 SO Program Manager: Barry Schaub
 Architect/Engineer: Bentz, Thompson, Rietow, Inc.
 Contractor: TBD
 Owner's Representative: TBD

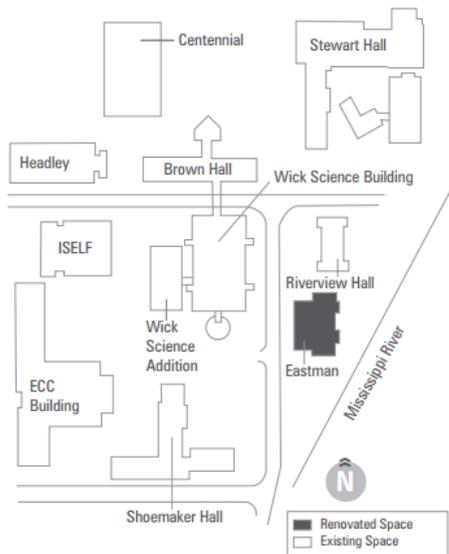
PROJECT SCHEDULE

2015					2016					2017					2018																				
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
			AE		SD					DD	CD	BA	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

ST. CLOUD STATE UNIVERSITY

Student Health and Academic Renovation, Eastman Hall



CAMPUS PLAN – St. Cloud

Campus website: www.stcloudstate.edu



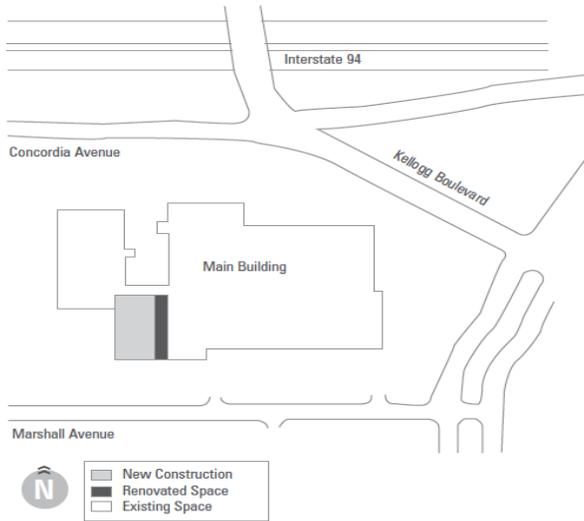
PROJECT DESCRIPTION

Renovation of Eastman Hall will create greater integration of academic and student service programs. The location of School of Health and Human Services, Human Performance Lab, Student Health Services, and the U-Choose Program in Eastman Hall will serve a growing, diverse student population as well as develop collaborative interdisciplinary programs to support workforce demands in health and human services. Improving these professional spaces will allow existing academic programs, such as radiologic technology, to offer more real world experiences to students.

- Co-locates 4 student health services programs in a facility currently not in use
- Renovates 43,291 GSF
- Constructs 15,562 GSF in mezzanine area, while keeping the building's footprint the same
- Eliminates \$3.8 million of deferred maintenance backlog
- Strengthens ties with local medical communities
- Utilizes existing space for additional square footage without creating new footprint

SAINT PAUL COLLEGE

Health and Science Alliance Center Addition



CAMPUS PLAN – St. Paul

Campus website: www.saintpauledu



PROJECT DESCRIPTION

This project designs, constructs, furnishes and equips a new classroom and laboratory building located on the westerly end of the existing campus facilities. The new building will address the growing demand for health and science programs offered by the College in partnership with public and private programs in nursing, medical lab technology, chemistry and allied careers. The project will also include a walkway/entry component to connect to the new west end parking ramp and serve as a major entry to the campus.

New space will include faculty and administrative offices, teaching laboratories, classrooms and student/faculty interaction spaces. The completed project will also address issues of life safety, air quality, deferred maintenance, sustainability and energy efficiency, preservation of assets, space shortages and space use constraints. The design was largely complete with the funds appropriated from the 2012 legislative session. Bidding and construction funds were appropriated from the 2015 special legislative session.

PROJECT STATUS

Construction

PROJECT CONSTRUCTION COMPLETION DATE

April 2017

PROJECT FUNDING

\$ 1,500,000 2012 State G.O. Bonds (Design)

\$ 18,829,000 2015 State G.O. Bonds (Construction)

\$ 20,329,000 Total

PROJECT HIGHLIGHTS

Area: New 39,037 GSF; Remodel 5,630 GSF
 Estimated Construction Cost: \$14,250,000
 Construction Bid Award: TBD
 Project Delivery Method: Construction Management at Risk

PROJECT TEAM

Campus Project Manager: Scott Wilson
 SO Program Manager: Barry Schaub
 Architect/Engineer: Oliver and Associates
 Construction Manager: Knutson Construction
 Owner's Representative: Hansen Construction Consulting

PROJECT SCHEDULE

2012				2013				2014				2015				2016				2017															
J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
			AE				SD				DD				CD				CD				BA				CON				CO				

AE	Architectural/Engineering Design Consultant Selection	BA	Bidding and Award
SD	Schematic Design Phase	CON	Construction
DD	Design Development Phase	CO	Project Close out
CD	Construction Document Phase		

WINONA STATE UNIVERSITY

Education Village, Phase I & II, Renovation

PROJECT CONSTRUCTION COMPLETION DATE

Phase I – August, 2017

Phase II – October, 2019 (pending legislative funding in 2016)

Campus website: www.winona.edu



PROJECT DESCRIPTION

The WSU Education village includes the wise reuse of three buildings renovated into a modern, integrated space that supports a truly transformative plan - purposefully-designed specialty labs and classrooms for all education programs. Phase I includes the design of both phases with partial exterior renovation of Wabasha Hall and Cathedral School. Phase II includes the majority of the renovation and new construction in Cathedral School, Net Gym and Wabasha Hall. The project eliminates \$8 million of deferred maintenance backlog by demolishing the Annex and a portion of Wabasha Rec.

The project impacts more than 20 classrooms/labs, improves accessibility, and includes observation rooms, and faculty offices to create a holistic learning and mentoring environment.

