Facilities, Planning & Operations Committee

October 2015

October 8, 2015

9:45 - 11:45 am

West Committee Room, McNamara Alumni Center

FAC - OCT 2015

1. Schematic Design - Review/Action

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B. Athletes Village (Twin Cities Campus)

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B. Glensheen Restoration of Tennis Court Garden Walls (Duluth Campus)

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C. Siebert Field Hitting Facility (Twin Cities Campus)

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BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Schematic Design

☐ **Review** ☒ **Review + Action** ☐ **Action** ☐ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTERS: Pamela Wheelock, Vice President, University Services
Suzanne Smith, Assistant Vice President, Capital Planning & Project Management
Lendley Black, Chancellor, University of Minnesota Duluth
Beth Goetz, Interim Director of Athletics

PURPOSE & KEY POINTS

In accordance with the Board of Regents Policy: *Reservation and Delegation of Authority,* review and approve the Schematic Plans for the following projects:

- Chemistry and Advanced Materials Science Building, Duluth Campus
- Athletes Village, Twin Cities Campus

The attached Project Data Sheets address the basis for request, project scope, cost estimate, funding, and schedule and include a map of each of these projects.

BACKGROUND INFORMATION

Chemistry and Advanced Materials Science

This project will construct a new 58,000 square foot science and engineering laboratory building on the Duluth campus. The new building will include research laboratories, instructional laboratories, teaching space, offices, and meeting space for the Swenson College of Science and Engineering.

Athletes Village

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice, Indoor Football Practice Facility, and a Football Performance Center. The Center for Excellence and the Basketball Practice Facility are combined into one building with two distinct identities.

PRESIDENT'S RECOMMENDATION

The President recommends approval of schematic design for the projects listed below and of the appropriate administrative officers proceeding with the design and construction for these projects:

- Chemistry and Advanced Materials Science Building, Duluth Campus
- Athletes Village, Twin Cities Campus

Chemistry and Advanced Materials Science Building
University of Minnesota, Duluth
Project No. 03-500-14-1036

1. Basis for Request:

The existing 1948 Chemistry building was the first building constructed at UMD and was not designed to be dedicated to Chemistry. The labs are poorly designed for the current use and the utility infrastructure is outdated and cannot support 21st century science. The current Chemistry building has numerous deficiencies which include in adequate eyewashes and showers, chemical storage space, wall space for chemical storage cabinets and gas cylinders, electrical outlets, and hood ventilation. The new Chemistry and Advanced Materials Science (CAMS) building will provide much needed facilities for the Department of Chemistry and Biochemistry and advance an emergent Material Science and Engineering program.

2. Scope of Project:

This project will construct a new 58,000 square foot (sf) science and engineering laboratory building on the Duluth Campus. The new building will include laboratory space for chemistry research (13,000 sf), chemistry instruction (5,300 sf), and applied materials science research (2,300 sf). Additional space for faculty offices and student study is also included. The research laboratory space will consist of flexible wet and dry labs with adequate utilities, environmental controls, and modern safety accommodations to serve the needs of evolving research and teaching pedagogy. The building is three stories, with a mechanical and electrical penthouse, and is connected to the rest of the campus via skyway. The project includes connections to the existing campus chilled water, steam, and electrical infrastructure.

3. Master Plan or Precinct/District Plan:

The project is in compliance with the Duluth campus master plan dated September 2013.

4. Environmental Issues:

There are no environmental issues.

5. Cost Estimate:

Construction Cost	$36,429,000
Non Construction	6,571,000
Total Project Cost	$43,000,000

6. Capital Funding:

2014 State Appropriation	1,500,000
2016 State Appropriation (anticipated)	27,167,000
University Debt	$14,333,000
Total Project Funds	$43,000,000

7. **Capital Budget Approvals:**

The project was approved, in the amount of $2,250,000 for design, in the FY2015 Annual Capital Budget at the June 2014 Board of Regents meeting. The remainder of the design and construction for the project is part of the 2016 State Capital Request.

8. **Annual Operating and Maintenance Cost:**

UMD Facilities Management estimates the average annual operating costs for this project to be $8.14 per gross square foot.

9. **Time Schedule:**

Proposed Design Completion:	November 2016
Proposed Construction Completion:	October 2017

10. **Project Team**

Architect:	BWBR Architects
Construction Manager at Risk:	McGough Construction

11. **Recommendation:**

The above described project scope of work, cost, funding, and schedule is appropriate:

Lendley Black, Chancellor

9/28/15

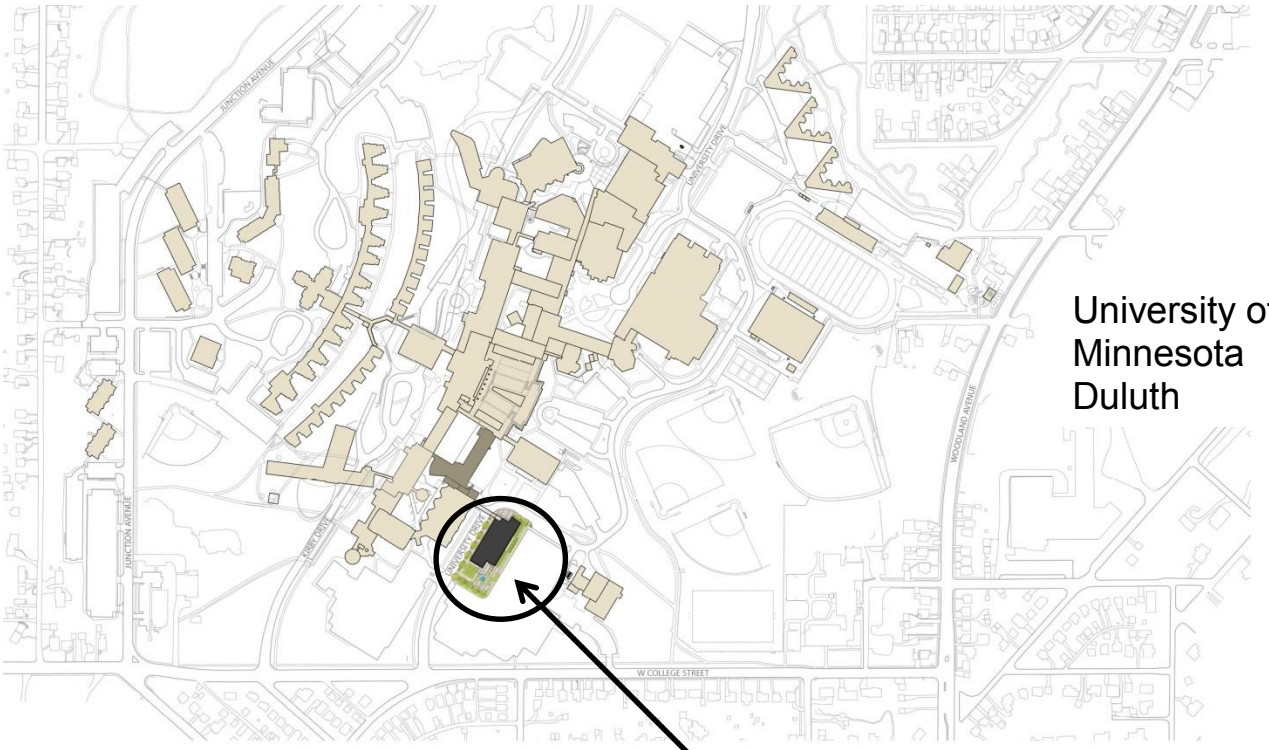
Richard Pfutzenreuter, Vice President and Chief Financial Officer

9/28/15

Pamela Wheelock, Vice President for University Services

Chemical and Advanced Materials Science Building
University of Minnesota Duluth Campus

Site Map



Chemical and Advanced Materials Science Building

Duluth Campus

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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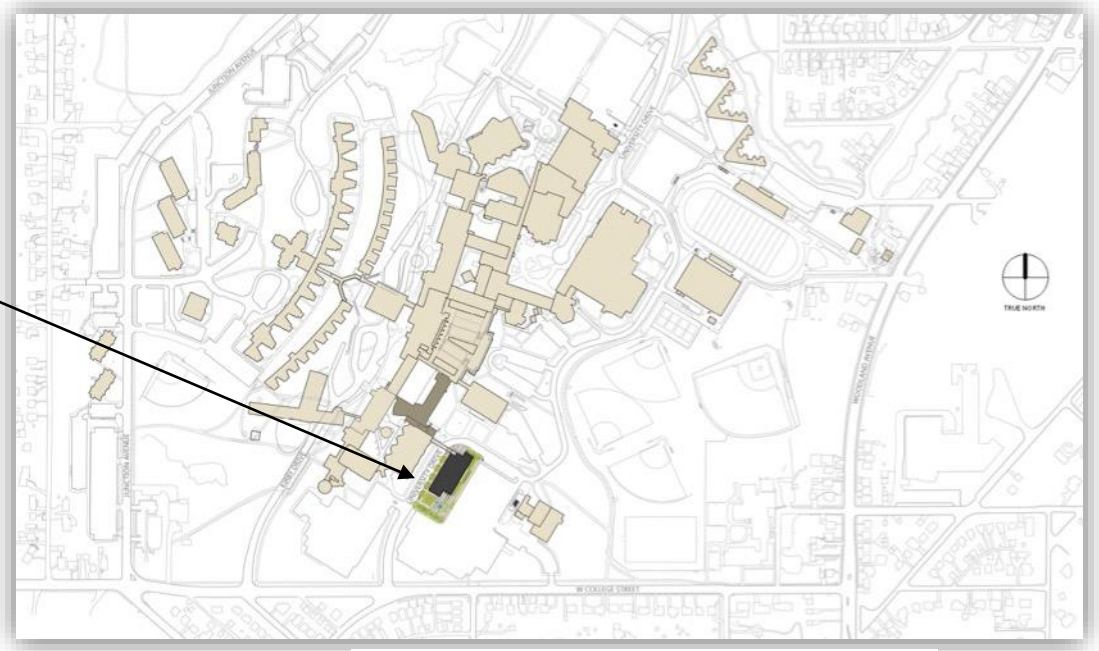
Schematic Design

Location Map

Chemical and Advanced Materials Science



University of Minnesota Duluth

Schematic Design

Project Rationale

- Meet the needs of 21st century science
  - Existing building was not designed for Chemistry
  - Labs are poorly designed
  - Outdated infrastructure
- Advance an emergent Material Sciences Engineering program

Schematic Design

Project Description

- 58,000 sf new construction
  - Chemistry research labs
  - Chemistry instructional labs
  - Applied Materials Science research labs
  - Faculty offices
  - Student study space

Schematic Design

Project Description

- Cost Estimate

– Construction	$ 36,429,000
– Non-construction	6,571,000
Total Project Cost	$ 43,000,000

- Capital Funding:

– University Debt	$ 14,333,000
– 2014 Legislative Appropriation	1,500,000
– 2016 Legislative Appropriation (anticipated)	27,167,000
Total Project Funds	$ 43,000,000

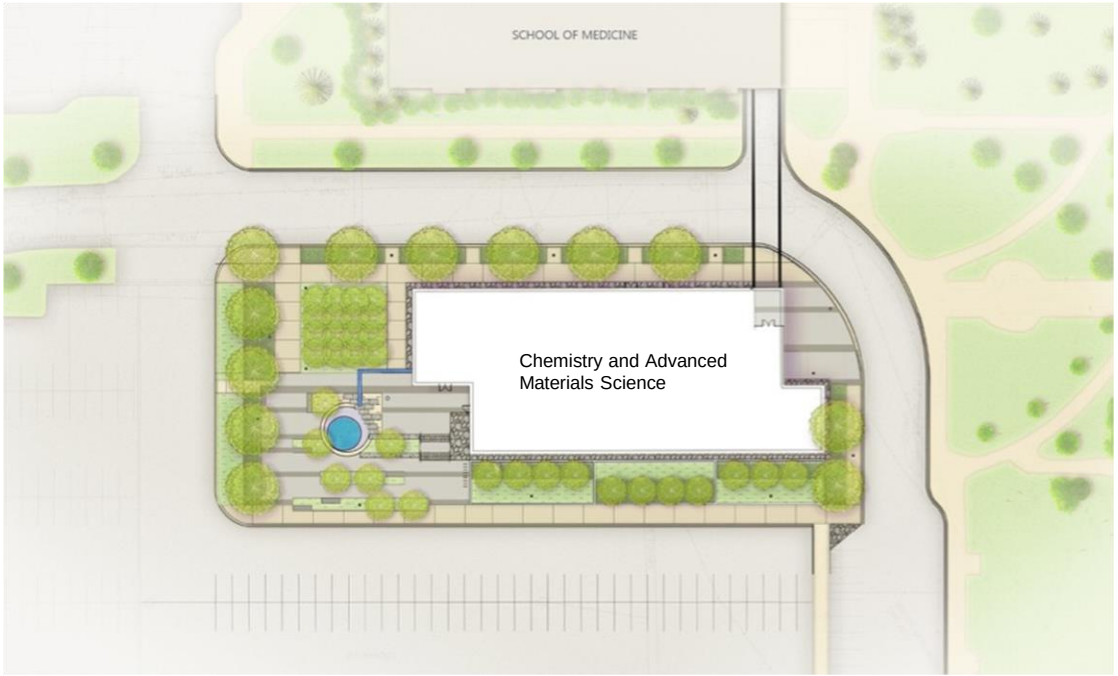
Schematic Design

Project Description

- Anticipated Completion:
  - October 2017
- Estimated Annual Operating Costs:
  - $495,000
- Architect:
  - BWBR Architects
- Construction Manager at Risk
  - McGough Construction

Schematic Design

Site Plan



Schematic Design

Building Exterior

Schematic Design

Building Exterior

Schematic Design

Building Interiors

Schematic Design

Floor Plans

First Floor

Second Floor

Third Floor

Legend

- OFFICE
- RESEARCH
- TEACHING
- CIRCULATION
- BUILDING SUPPORT

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Athletes Village
Minneapolis Campus
Project No. 01-000-15-1129

1. Basis for Request:

The Athletes Village program was initially outlined during an athletics facility needs assessment completed during 2013. The goal of the assessment was to understand how to provide student-athletes, administrators, and coaches with state of the art tools that allow everyone to share in the success of the Gopher athletic department. The study confirmed that facility deficiencies severely hamper potential success.

The proposed Athletes Village will meet current and future needs of the University's athletics programs and will advance a unified athletic department. Most importantly, the Center for Excellence creates space and an environment not currently available to our student-athletes. This space focuses on the academic, nutritional, and leadership needs and desires of all our student athletes and creates an environment that values all aspects of the student-athlete experience. The norm for NCAA Division 1-A programs is for more dedicated practice facilities. The aging facilities at Gibson Nagurski lack the necessary area for all sports that compete for practice space. Dedicated practice space results in consistent schedules and routine for athletes and coaches and allows everyone to maximize time for their sport and studies. This is also seen as an essential need as our coaches compete with other institutions during the recruiting process.

2. Scope of Project:

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice Facility, Indoor Football Practice Facility, and a Football Performance Center.

The Center for Excellence and Basketball Practice Facility are combined into one building with two distinct identities. The Center of Excellence will focus on academics, leadership development and nutrition and serves as a hub and flagship facility for the entire Athletics Department. The Basketball Practice Facility will provide separate facilities for both Men's and Women's basketball to train and practice. The Indoor Football Practice Facility will allow the University's football program to match and exceed the facilities at other Big Ten schools. The Football Performance Center will provide better support facilities for the football program.

3. Master Plan or Precinct/District Plan:

The project is in compliance with the Twin Cities Campus Master Plan dated March 2009.

4. Environmental Issues:

Identified abatement costs include two underground fuel storage tanks with an anticipated small amount of contaminated soil near these tanks and the existing rubber running track contains mercury.

5. Cost Estimate:

Construction Cost	$142,882,000
Non Construction Cost	23,118,000
Total Project Cost	$166,000,000

6. Capital Funding:

Fundraising	$76,530,000
Long Term Debt*	89,470,000
Total Capital Funding	$166,000,000

* Figure excludes an anticipated need to provide $31.1M in short term financing to bridge timing differences due to pledged funds.

7. Capital Budget Approvals:

This project was approved at the February 2015 Regents meeting, in the amount of $15,000,000 for design. Approval of the Capital Budget Amendment for this project is requested at the October 2015 Regents meeting.

8. Annual Operating and Maintenance Cost and Source of Revenue:

The annual operating and maintenance cost of the new facilities is estimated to be approximately $8.10/SF.

9. Time Schedule: (Additional milestone maybe added or substituted if appropriate.)

Proposed Design Completion	July 2016
Proposed Construction Completion	January 2018

10. Project Team

Architect/Engineer Team:	BWBR Architects
Construction Manager:	Mortenson Construction

11. Recommendation:

The above described project scope of work, cost, funding, and schedule is appropriate:

Beth Goetz, Interim Director of Athletics

9/28/15

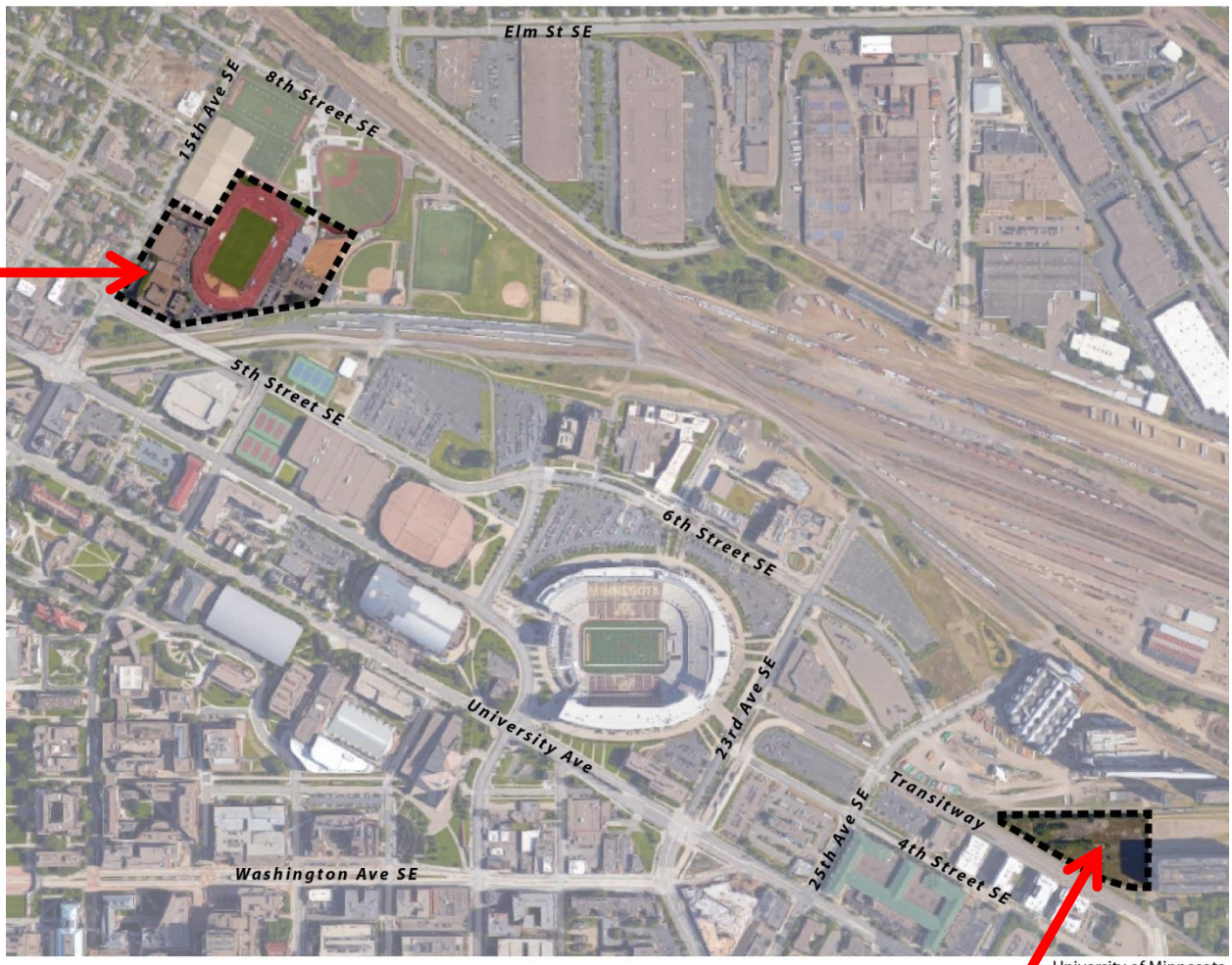
Richard Pfutzenreuter, Vice President and Chief Financial Officer

9/28/15

Pamela Wheelock, Vice President for University Services

Athletes Village
University of Minnesota Twin Cities Campus

Site Map



Athletes Village

Temporary Throws

Athletes Village

Twin Cities Campus

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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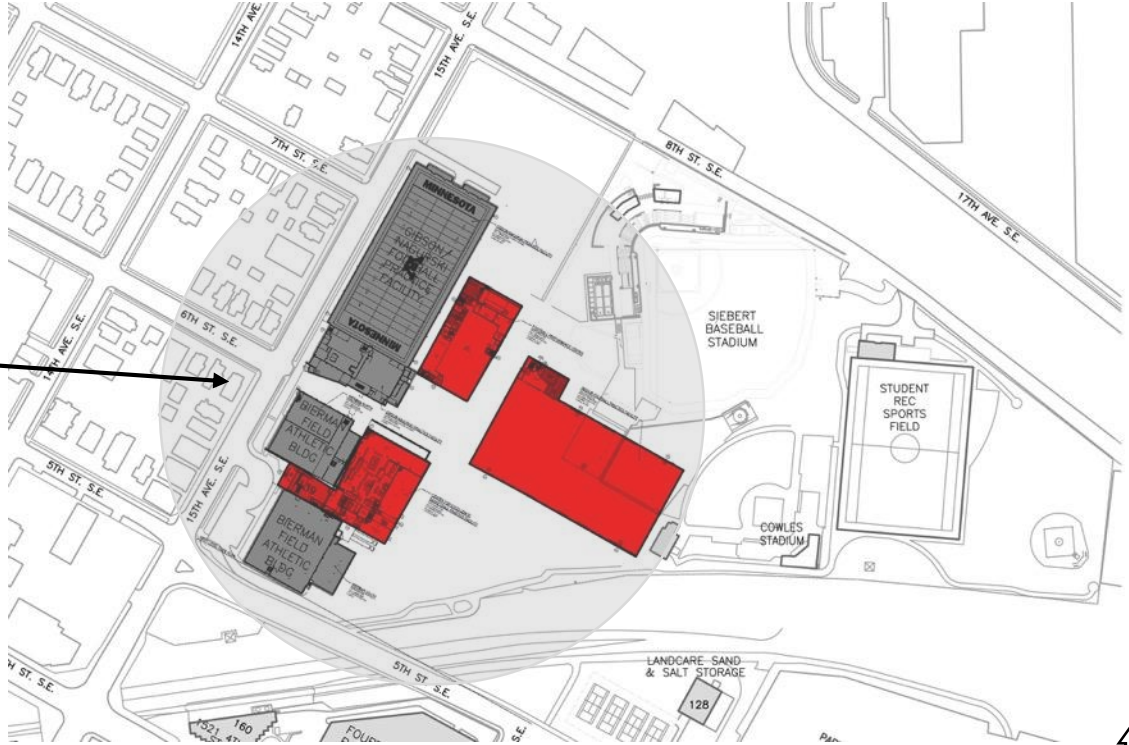
Schematic Design and Capital Budget Amendment

Location Map – Athletes Village



Schematic Design and Capital Budget Amendment

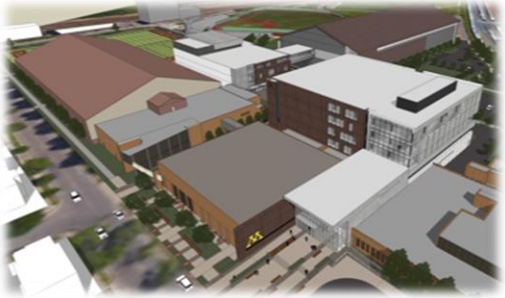
Project Rationale

- Existing facility deficiencies
- Limited options available for scheduling practices in existing venues
- Critical for recruitment
- Provides state-of-the-art tools to student-athletes, administrators, and coaches
- Create a hub for the entire Athletics Department and 725 student-athletes

Schematic Design and Capital Budget Amendment

Project Description

- 320,000 sf Athletes Village includes:
  - Center for Excellence / Basketball Practice Facility
  - Indoor Football Practice Facility
  - Football Performance Center
  - Site Work
- Temporary Throws



Project Description

- Cost Estimate:
  - Construction $142,882,000
  - Non-construction 23,118,000

  Total Project Cost $166,000,000

- Capital Funding:
  - Fundraising $76,530,000
  - University Issued Debt* 89,470,000

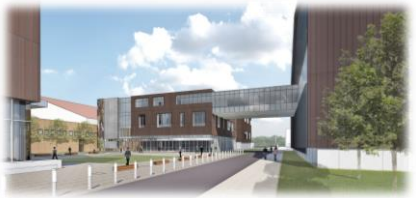
  Total Project Funds $166,000,000

*Figure excludes an anticipated need to provide $36.6M in short term financing to bridge timing differences due to pledged funds.

Schematic Design and Capital Budget Amendment

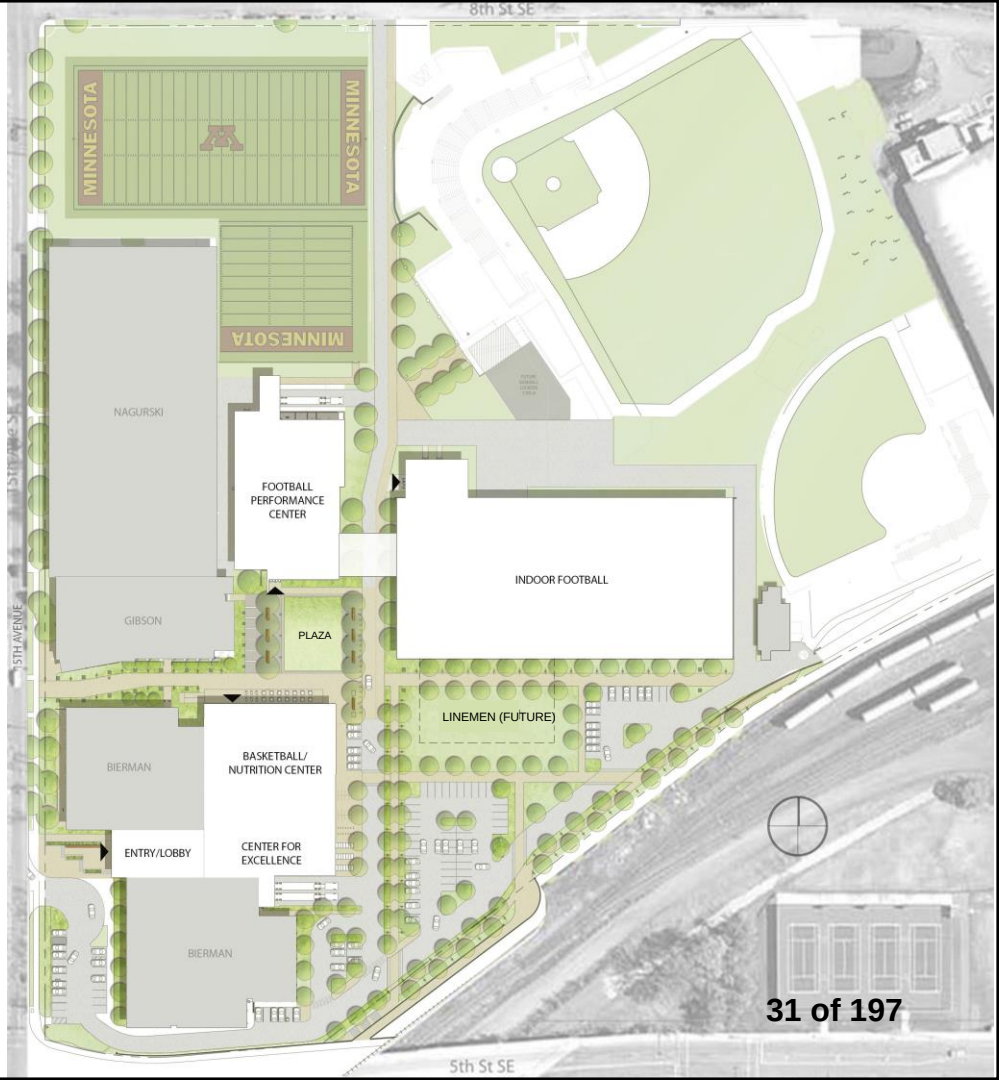
Project Description

- Anticipated Completion:
  - January 2018
- Estimated Annual Operating Costs:
  - $2,600,000
- Architect:
  - BWBR Architects
- Construction Manager at Risk
  - M. A. Mortenson



Schematic Design and
Capital Budget Amendment

Site Plan



PROJECT NORTH

TRUE NORTH

Schematic Design and Capital Budget Amendment

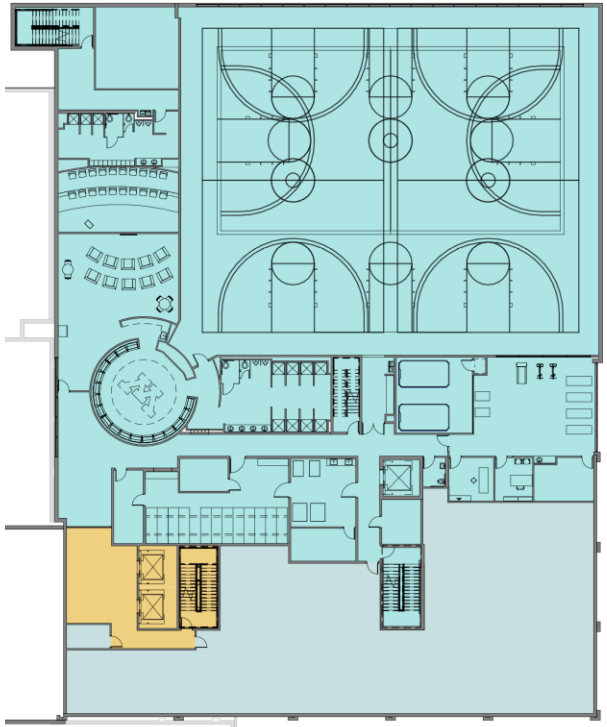
Athletes Village – Combined 1st Floor

Schematic Design and Capital Budget Amendment

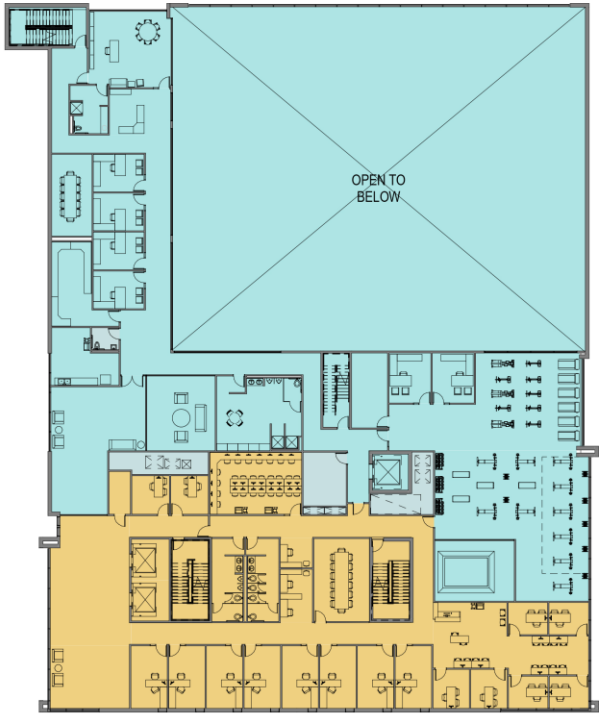
Center for Excellence / Basketball Practice

Legend

- BASKETBALL PRACTICE FACILITY
- CENTER FOR EXCELLENCE
- BUILDING SUPPORT



2nd Floor



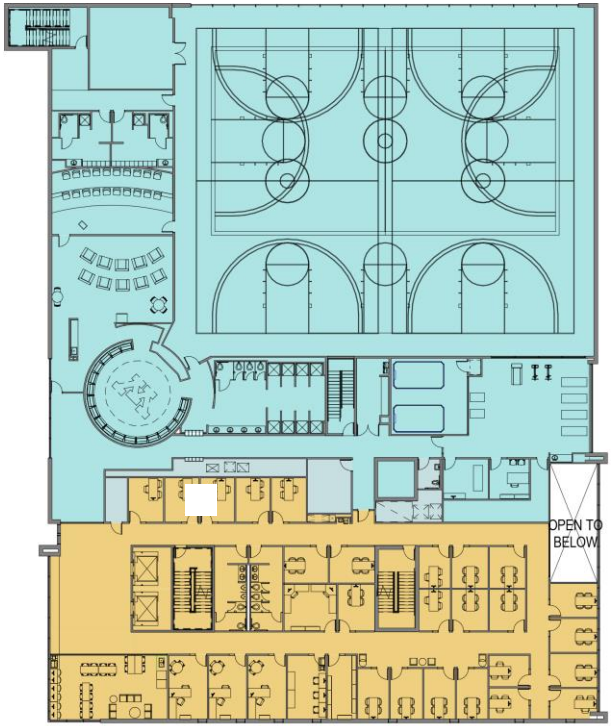
3rd Floor

Schematic Design and Capital Budget Amendment

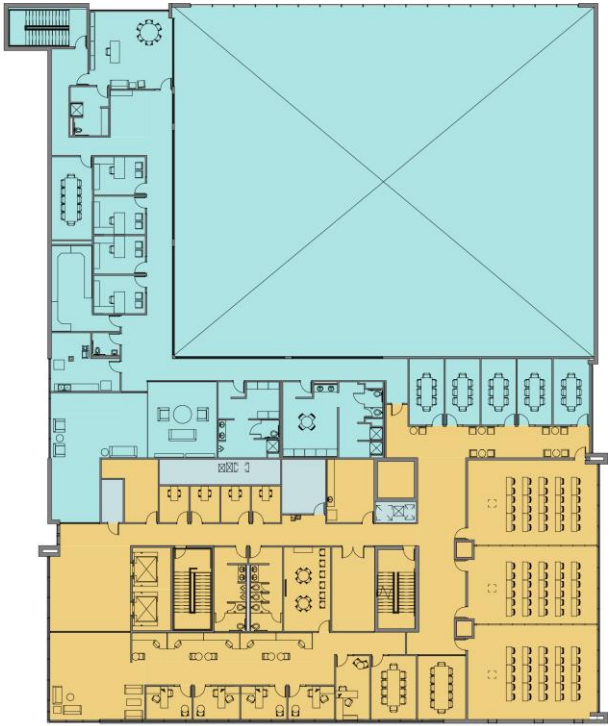
Center for Excellence / Basketball Practice

Legend

- BASKETBALL PRACTICE FACILITY
- CENTER FOR EXCELLENCE
- BUILDING SUPPORT



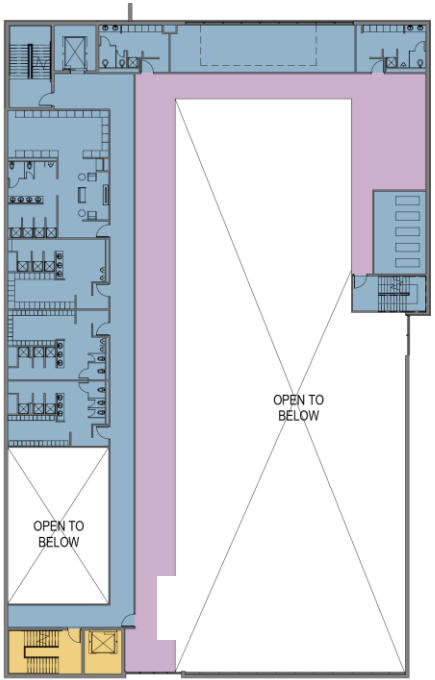
4th Floor



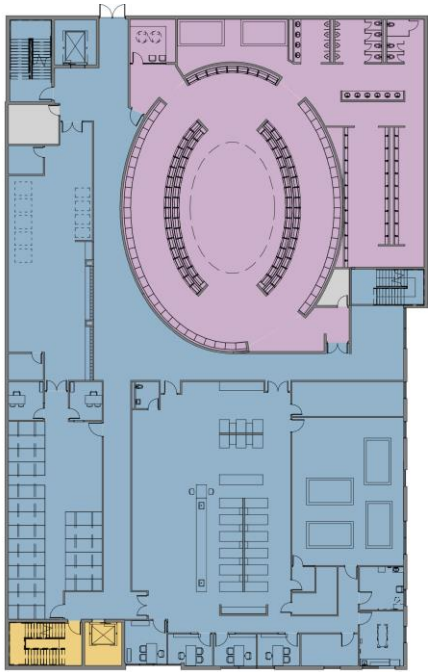
5th Floor

Schematic Design and Capital Budget Amendment

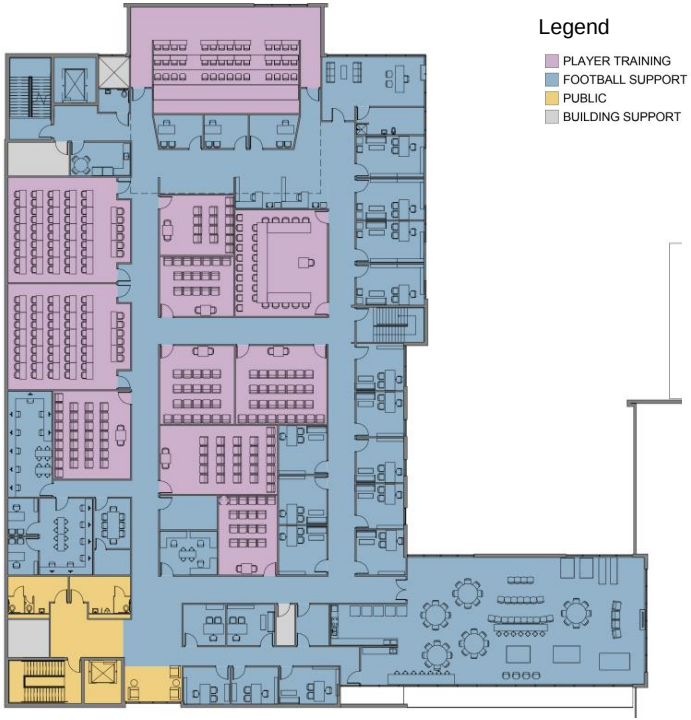
Football Performance Center



Mezzanine



2nd Floor



3rd Floor

Schematic Design and Capital Budget Amendment

Center for Excellence

Schematic Design and Capital Budget Amendment

Basketball Practice Facility

Schematic Design and Capital Budget Amendment

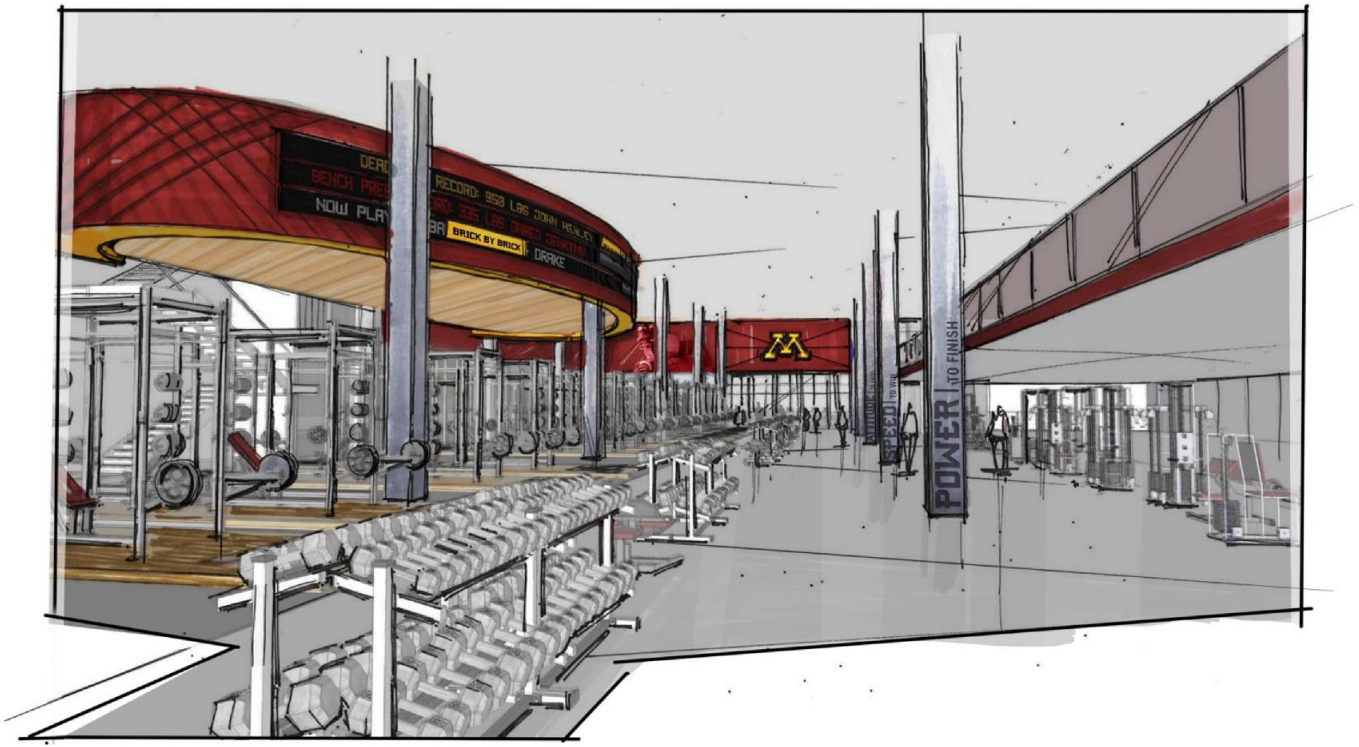
Football Performance Facility

Schematic Design and Capital Budget Amendment

Football Performance and Practice Facilities

Schematic Design and Capital Budget Amendment

Strength Training - Football Performance



Schematic Design and Capital Budget Amendment

Training Table – Center for Excellence

President's Recommendation

- Approval of Schematic Design and Capital Budget Amendment for total project cost of $166 million
- Reservation of $20 million in debt capacity as a source of financing for project budgets associated with a competition-level track facility on the East Bank of the Minneapolis campus and other investments to promote gender equity and Title IX within Intercollegiate Athletics on the Twin Cities campus

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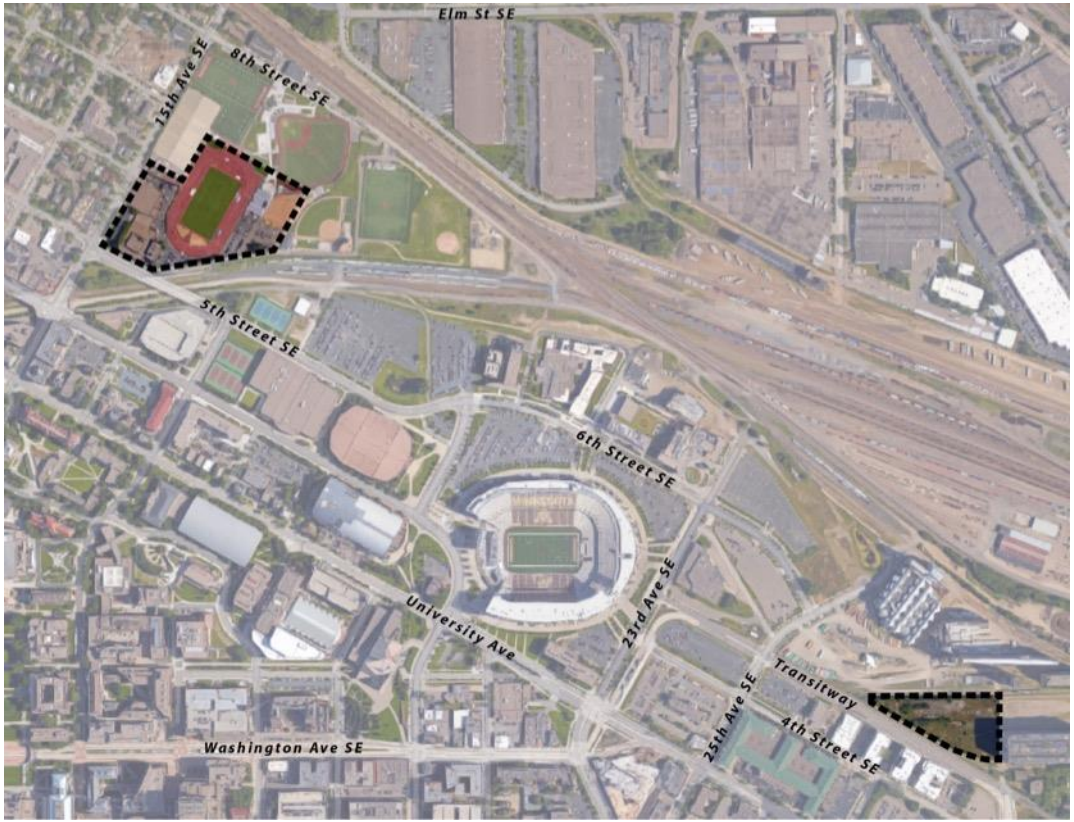
Schematic Design and Capital Budget Amendment

Location Map – Temporary Throws



North

BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Capital Budget Amendments

☐ **Review** ☒ **Review + Action** ☐ **Action** ☐ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTERS: Pamela Wheelock, Vice President, University Services
Suzanne Smith, Assistant Vice President, Capital Planning & Project Management
Lendley Black, Chancellor, University of Minnesota Duluty
Beth Goetz, Interim Director of Athletics

PURPOSE & KEY POINTS

In accordance with the Board of Regents Policy: *Reservation and Delegation of Authority,* review and approve amendments to the FY2016 Capital Budget for the following projects:

- Athletes Village, Twin Cities Campus
- Glensheen - Restoration of Tennis Court Garden Walls, Duluth Campus
- Siebert Field Hitting Facility, Twin Cites Campus

The attached Project Data Sheets address the basis for request, project scope, cost estimate, funding, schedule, and include a site map for each of these projects.

BACKGROUND INFORMATION

Athletes Village, Twin Cities Campus

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice, Indoor Football Practice Facility, and a Football Performance Center. The Center for Excellence and the Basketball Practice Facility are combined into one building with two distinct identities.

Glensheen - Restoration of Tennis Court Garden Walls, Duluth Campus

This project will restore a damaged wall and associated elements at Glensheen as a result of a storm event on May 12-13, 2014.

Siebert Field – Hitting Facility, Twin Cities Campus

The new hitting facility will include the construction of a 4,700 square feet building with three indoor batting tunnels, an equipment storage area, and a unisex bathroom.

PRESIDENT'S RECOMMENDATION

The President recommends approval of amendments to the FY2016 Capital Budget for the projects listed below and of the appropriate administrative officers proceeding with the completion of the design and construction for these projects:

- Athletes Village, Twin Cities Campus
- Glensheen - Restoration of Tennis Court Garden Walls, Duluth Campus
- Siebert Field Hitting Facility, Twin Cites Campus

The President also recommends that the University reserve $20 million in debt capacity as a source of financing for project budgets associated with a competition-level track facility on the East Bank of the Twin Cities campus and other investments to promote gender equity and Title IX within Intercollegiate Athletics on the Twin Cities campus.

Athletes Village
Minneapolis Campus
Project No. 01-000-15-1129

1. Basis for Request:

The proposed Athletes Village will meet current and future needs of the University's athletics programs and will advance a unified athletic department. Most importantly, the Center for Excellence creates space and an environment not currently available to our student-athletes. This space focuses on the academic, nutritional, and leadership needs and desires of all our student athletes and creates an environment that values all aspects of the student-athlete experience. The norm for NCAA Division 1-A programs is for more dedicated practice facilities. The aging facilities at Gibson Nagurski lack the necessary area for all sports that compete for practice space. Dedicated practice space results in consistent schedules and routine for athletes and coaches and allows everyone to maximize time for their sport and studies. This is also seen as an essential need as our coaches compete with other institutions during the recruiting process.

A Capital Budget Amendment for this project is requested so that the project may proceed. This project was approved at the February 2015 Regents meeting, in the amount of $15,000,000, for design while fundraising continued to be pursued.

2. Scope of Project:

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice Facility, Indoor Football Practice Facility, and a Football Performance Center.

The Center for Excellence and Basketball Practice Facility are combined into one building with two distinct identities. The Center of Excellence will focus on academics, leadership development, and nutrition and serves as a hub and flagship facility for the entire Athletics Department. The Basketball Practice Facility will provide separate facilities for both Men's and Women's basketball to train and practice. The Indoor Football Practice Facility will allow the University's football program to match and exceed the facilities at other Big Ten schools. The Football Performance Center will provide better support facilities for the football program.

3. Master Plan or Precinct/District Plan:

The project is in compliance with the Twin Cities Campus Master Plan dated March 2009.

4. Environmental Issues:

Identified abatement costs include two underground fuel storage tanks with an anticipated small amount of contaminated soil near these tanks and the existing rubber running track contains mercury.

5. Cost Estimate:

Construction Cost	$142,882,000
Non Construction Cost	23,118,000
Total Project Cost	$166,000,000

6. Capital Funding:

Fundraising	$76,530,000
Long Term Debt*	89,470,000
Total Capital Funding	$166,000,000

* Figure excludes an anticipated need to provide $31.1M in short term financing to bridge timing differences due to pledged funds.

7. Capital Budget Approvals:

This project was approved at the February 2015 Regents meeting, in the amount of $15,000,000 for design while fundraising continued to be pursued. A Capital Budget Amendment for this project is requested so that the project may proceed.

8. Annual Operating and Maintenance Cost and Source of Revenue:

The annual operating and maintenance cost of the new facilities is estimated to be approximately $8.10/sf.

9. Time Schedule: (Additional milestone maybe added or substituted if appropriate.)

Proposed Design Completion	July 2016
Proposed Construction Substantial Completion	January 2018

10. Project Team

Architect/Engineer Team:	BWBR Architects
Construction Manager:	Mortenson Construction

11. Recommendation:

The above described project scope of work, cost, funding, and schedule is appropriate:

Beth Goetz, Interim Director of Athletics

9/28/15

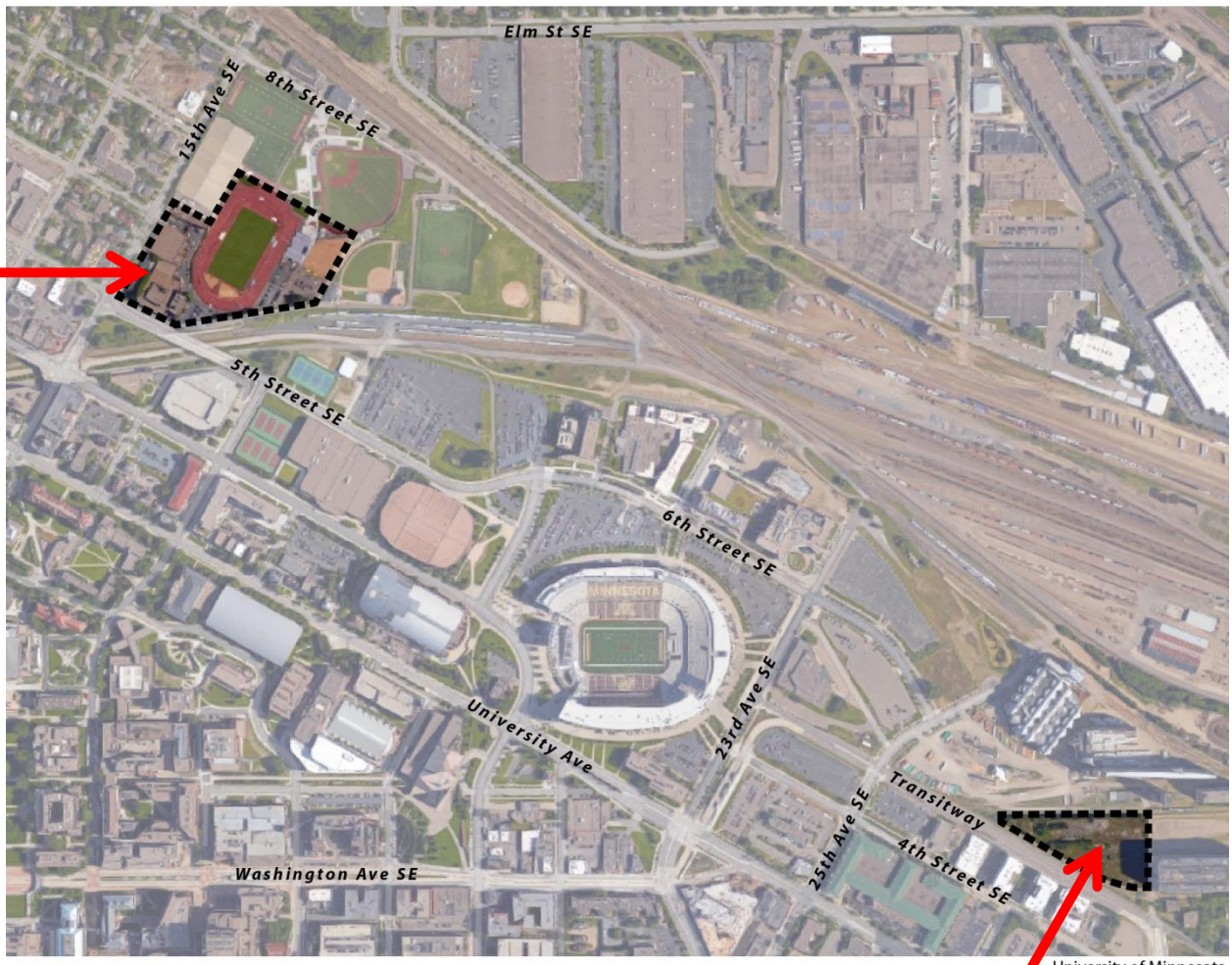
Richard Pfutzenreuter, Vice President and Chief Financial Officer

9/28/15

Pamela Wheelock, Vice President for University Services

Athletes Village
University of Minnesota Twin Cities Campus

Site Map



Athletes Village

Temporary Throws

Glensheen Restoration of Tennis Court Garden Walls
University of Minnesota Duluth Campus
Project No. 03-567-15-1092

1. Basis for Request:

The University of Minnesota Duluth Glensheen Historic Estate (Glensheen) experienced property damage caused by 1.5 inches of water during a single storm event on May 12-13, 2014. The storm water damaged the garden wall between the clay tennis court and the formal garden area, causing portions of the wall to bow and collapse. Additionally, a portion of the tall fence around the clay tennis court collapsed. Glensheen is listed on the National Register of Historic Places and is a Partner Place of the National Trust for Historic Preservation. Glensheen stewardship requires compliance with the Board of Regents 2010 Historic Preservation Policy, and applicable federal and state laws and regulations. The form and detailing of materials are important defining elements of Glensheen's overall character, and must be retained and preserved. A capital budget amendment is requested so the restoration project may proceed.

2. Scope of Project:

This project will restore a damaged wall and associated elements at Glensheen as a result of a storm event on May 12-13, 2014. The length of the concrete retaining wall to be restored is approximately 166 feet and is located between the clay tennis court and the formal garden to the south. Additional elements for repair include the integral stairs and handrails at the concrete retaining wall and approximately 256 feet of metal fencing.

3. Master Plan:

This project is in compliance with the University of Minnesota Duluth 2005 Campus Master Plan and updates dated 2009. This project addresses building features that are defined as contributing in the 2011 Historic Structures Report.

4. Environmental Issues:

There are no known environmental issues.

5. Cost Estimate:

Construction Cost	$660,000
Non Construction Cost	198,000
Total Project Cost	$858,000

6. Capital Funding:

University Risk Management Insurance Property Loss Claim	$ 858,000
Total Project Funds	$858,000

7. **Capital Budget Approvals:**

This project was not included in the FY2015 Capital Budget as forensic analysis of the damage was still underway. Therefore, a Capital Budget Amendment is requested so the project may proceed.

8. **Annual Operating and Maintenance Cost:**

There is no significant change to the existing operating cost.

9. **Time Schedule:**

Proposed Design Completion	September 2015
Proposed Construction Completion	December 2015

10. **Project Team:**

Architect:	Miller Dunwiddie Architects
Contractor:	TBD

11. **Recommendation:**

The above described project scope of work, cost, funding, and schedule is appropriate:

Lendley Black, Chancellor

9/28/15

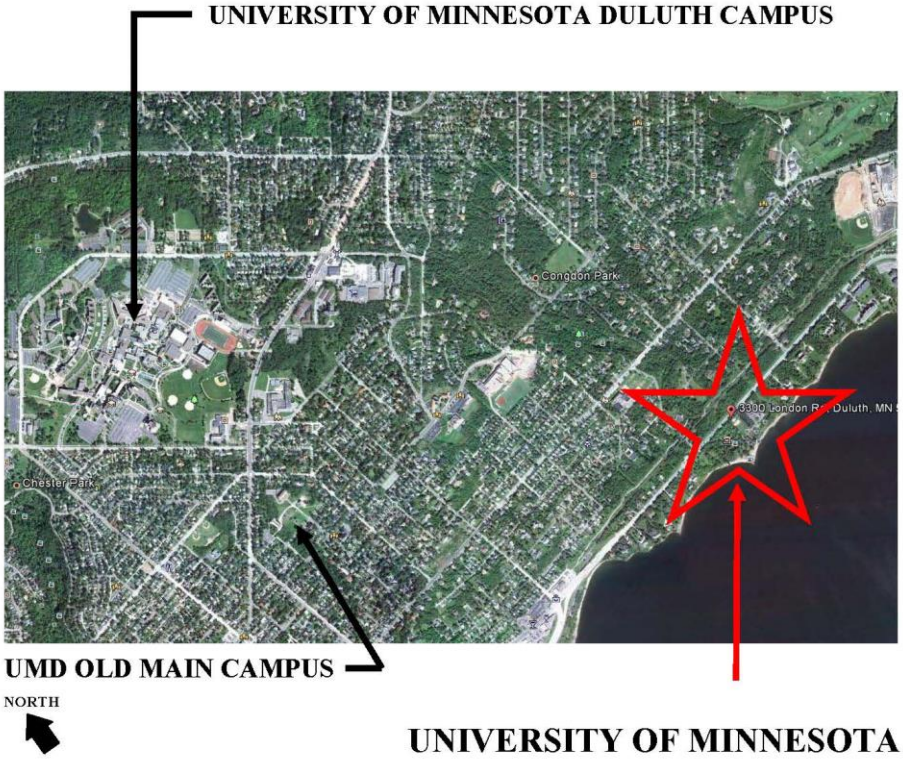
Richard Pfutzenreuter, Vice President and Chief Financial Officer

9/28/15

Pamela Wheelock, Vice President for University Services

Glensheen Restoration of Tennis Court Garden Walls
University of Minnesota Duluth Campus

Site Map



Restoration of Glensheen Tennis Court Garden Walls

Duluth Campus

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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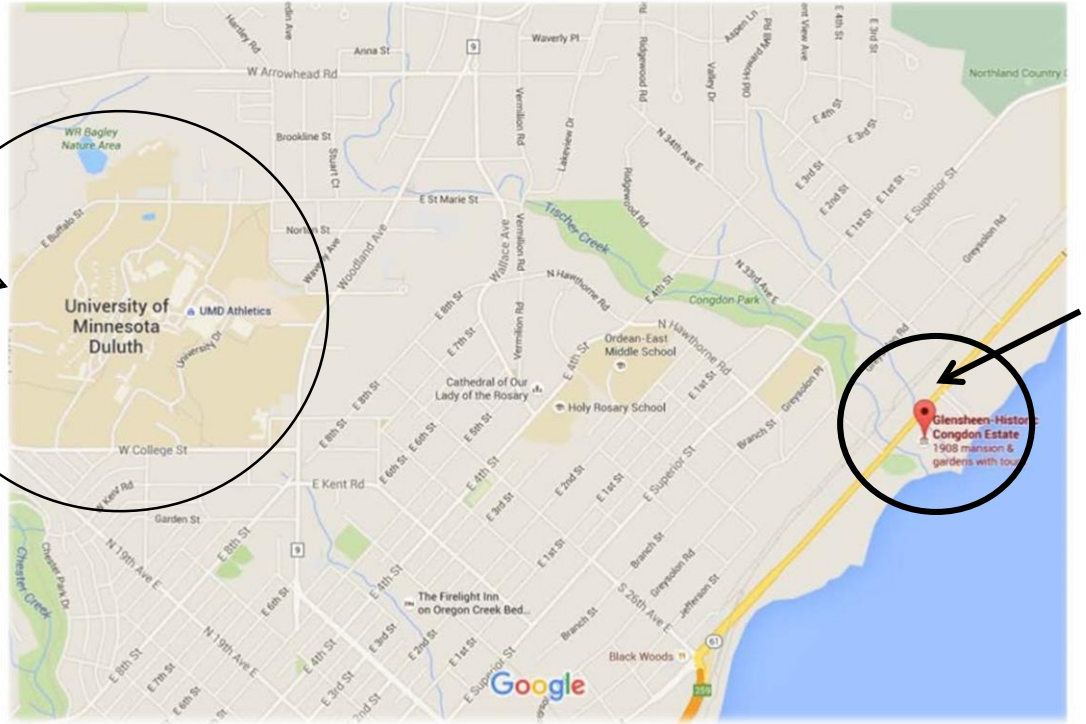
Capital Budget Amendment

Location Map

UMD Main Campus



UMD Glensheen Historic Estate

NORTH

Capital Budget Amendment

Project Rationale

- Extensive damage due to severe storm May 12-13, 2014
  - Overall character must be retained and preserved
    - National Register of Historic Places requirements
  - Retaining wall collapse and fence damage

Capital Budget Amendment

Project Description

- Restore damaged wall and associated elements
  - Concrete retaining wall
  - Integral stairs and handrails
  - Tennis court metal fencing

Capital Budget Amendment

Project Description

- Cost Estimate
  - Construction $ 660,000
  - Non-construction $ 198,000

  Total Project Cost $ 858,000

- Capital Funding:
  - Insurance Funds $ 858,000

  Total Project Funds $ 858,000

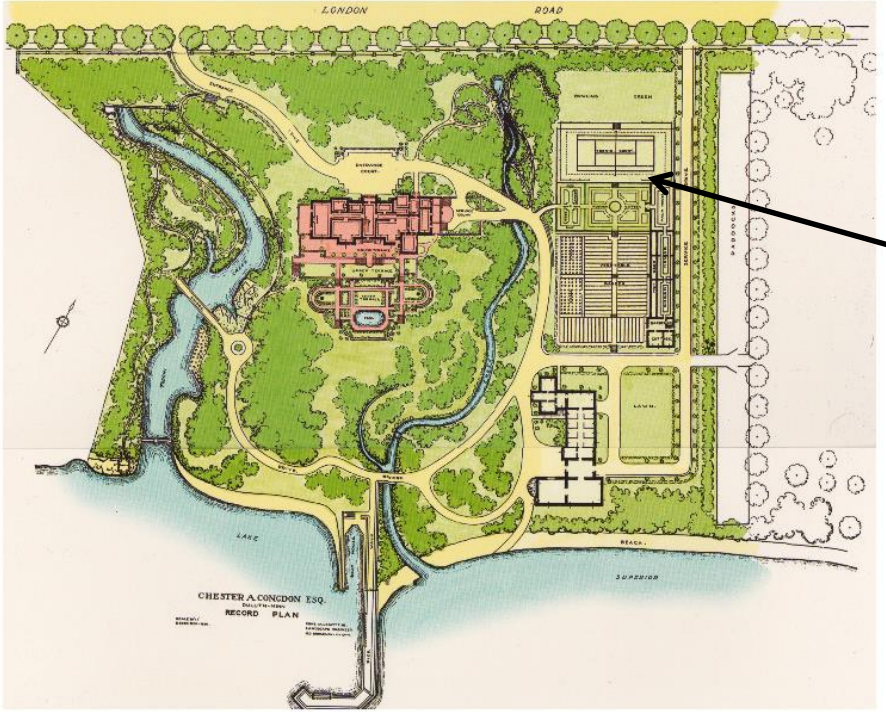
Capital Budget Amendment

Project Description

- Anticipated Completion:
  - December 2015
- Estimated Annual Operating Costs:
  - No change
- Architect:
  - Miller Dunwiddie Architects
- General Contractor
  - TBD

Capital Budget Amendment

Site Plan



Wall location

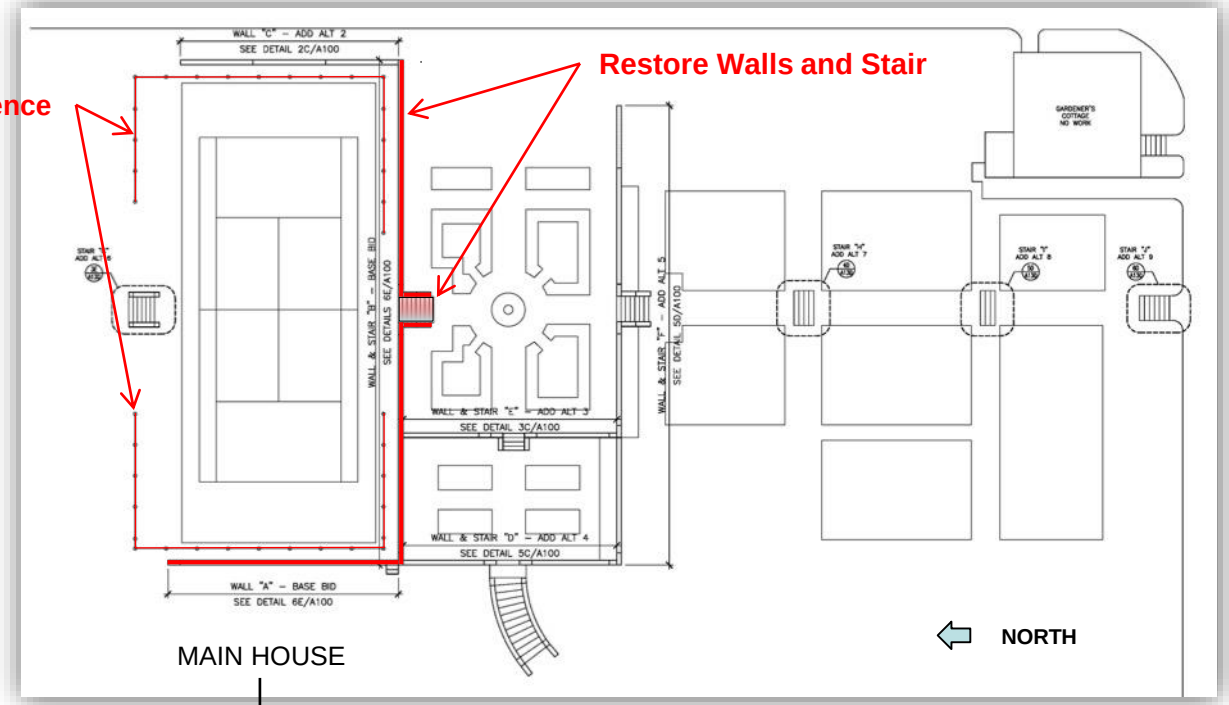
NORTH

Capital Budget Amendment

Floor Plan

Restore Tall Fence

Restore Walls and Stair



LAKE SUPERIOR →

MAIN HOUSE ↓

UNIVERSITY OF MINNESOTA

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Athletes Village

Twin Cities Campus

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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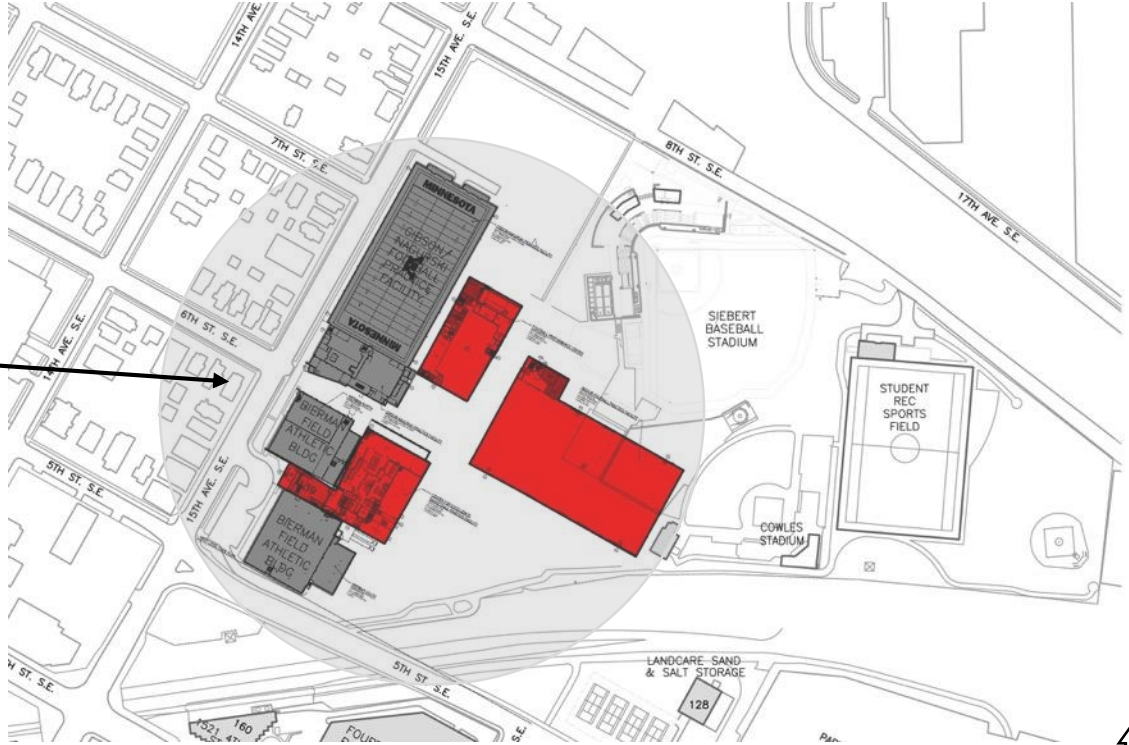
Schematic Design and Capital Budget Amendment

Location Map – Athletes Village



Schematic Design and Capital Budget Amendment

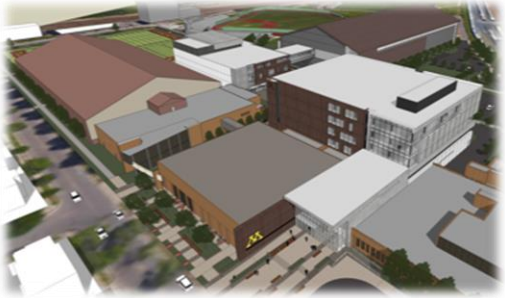
Project Rationale

- Existing facility deficiencies
- Limited options available for scheduling practices in existing venues
- Critical for recruitment
- Provides state-of-the-art tools to student-athletes, administrators, and coaches
- Create a hub for the entire Athletics Department and 725 student-athletes

Schematic Design and Capital Budget Amendment

Project Description

- 320,000 sf Athletes Village includes:
  - Center for Excellence / Basketball Practice Facility
  - Indoor Football Practice Facility
  - Football Performance Center
  - Site Work
- Temporary Throws



Project Description

- Cost Estimate:
  - Construction $142,882,000
  - Non-construction 23,118,000

  Total Project Cost $166,000,000

- Capital Funding:
  - Fundraising $76,530,000
  - University Issued Debt* 89,470,000

  Total Project Funds $166,000,000

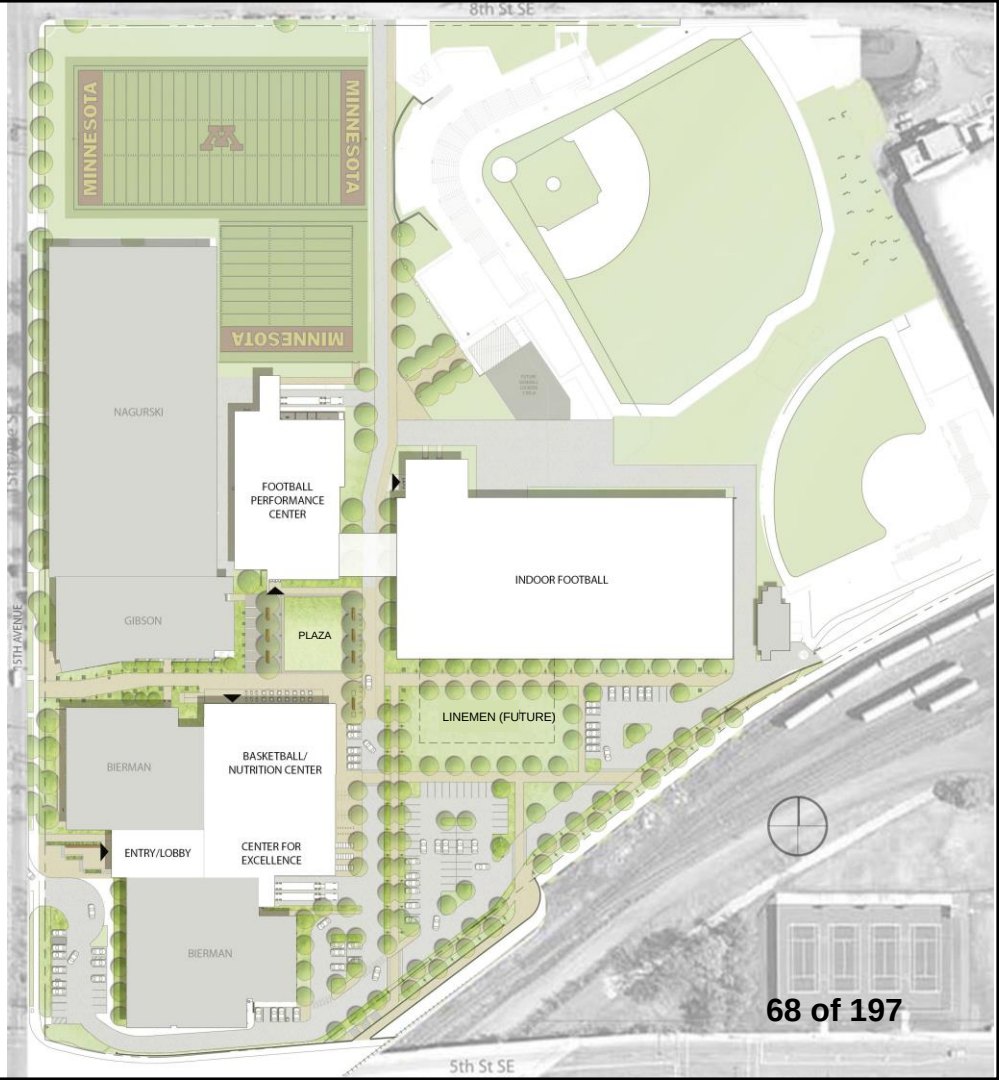
*Figure excludes an anticipated need to provide $36.6M in short term financing to bridge timing differences due to pledged funds.

Project Description

- Anticipated Completion:
  - January 2018
- Estimated Annual Operating Costs:
  - $2,600,000
- Architect:
  - BWBR Architects
- Construction Manager at Risk
  - M. A. Mortenson

Schematic Design and
Capital Budget Amendment

Site Plan

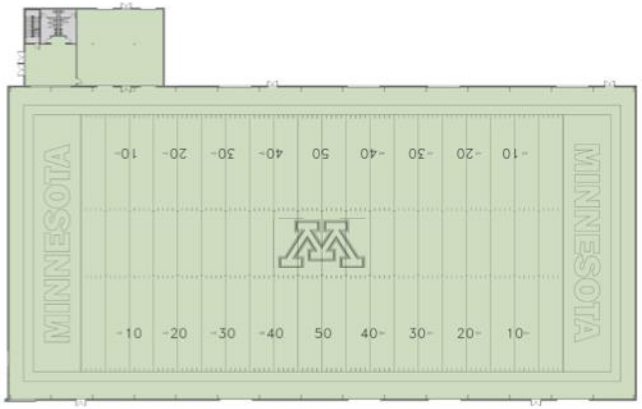


PROJECT NORTH

TRUE NORTH

Schematic Design and Capital Budget Amendment

Athletes Village – Combined 1st Floor

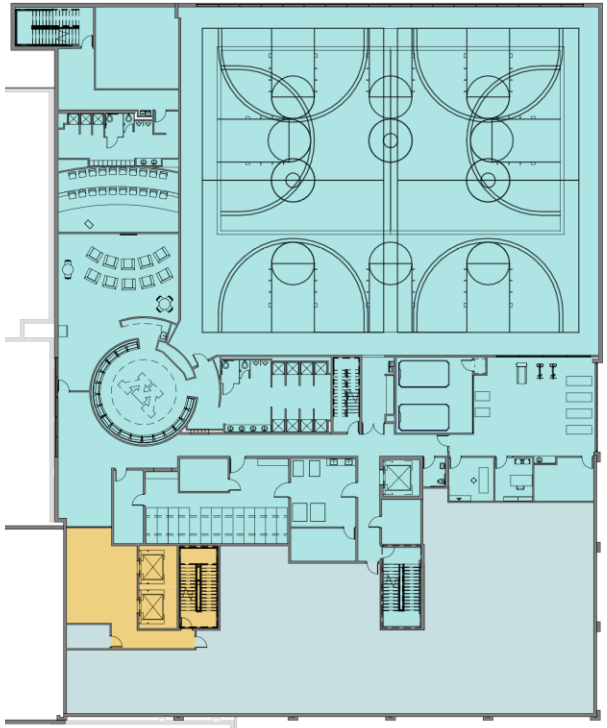


Schematic Design and Capital Budget Amendment

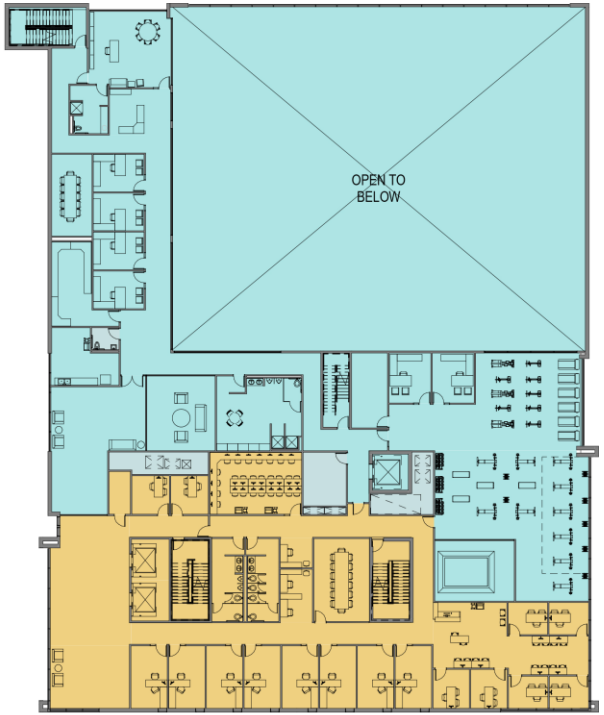
Center for Excellence / Basketball Practice

Legend

- BASKETBALL PRACTICE FACILITY
- CENTER FOR EXCELLENCE
- BUILDING SUPPORT



2nd Floor



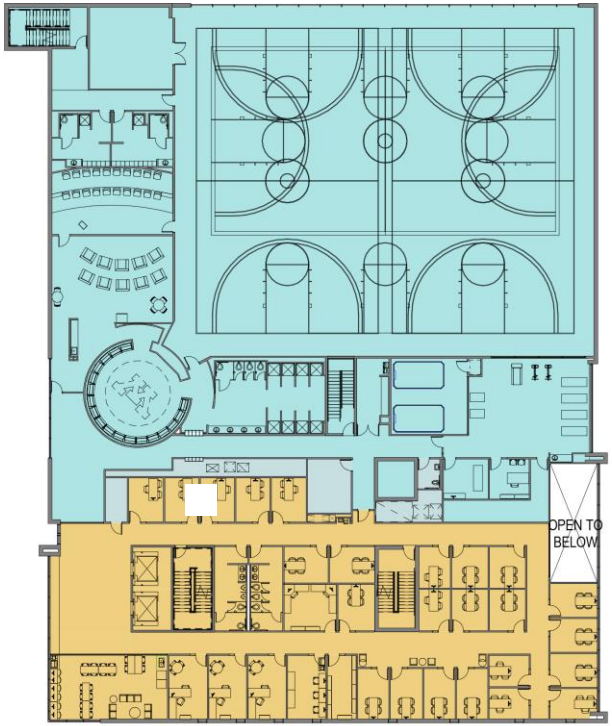
3rd Floor

Schematic Design and Capital Budget Amendment

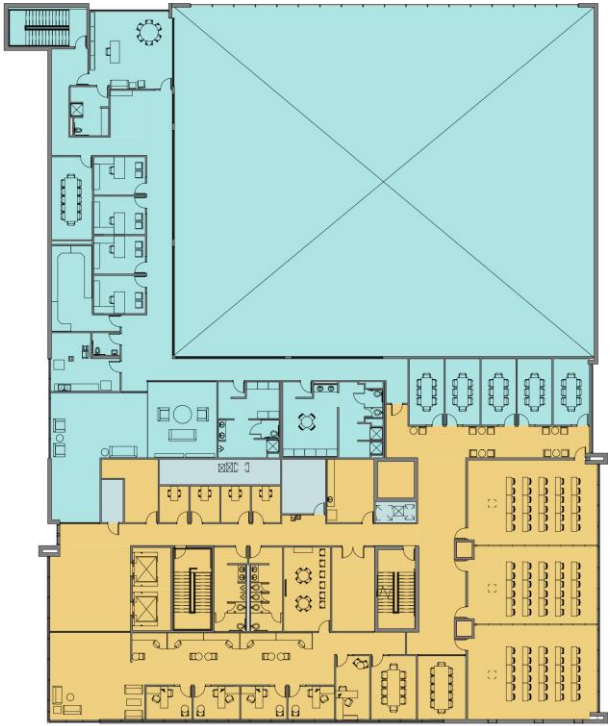
Center for Excellence / Basketball Practice

Legend

- BASKETBALL PRACTICE FACILITY
- CENTER FOR EXCELLENCE
- BUILDING SUPPORT



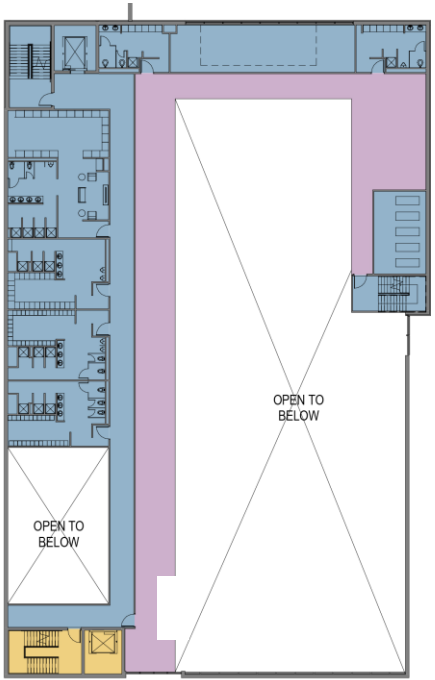
4th Floor



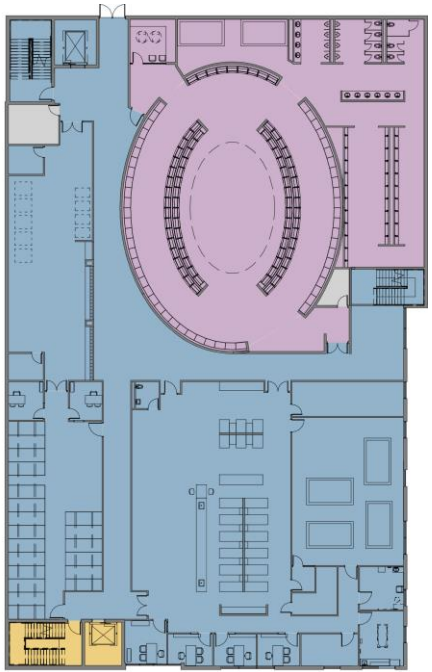
5th Floor

Schematic Design and Capital Budget Amendment

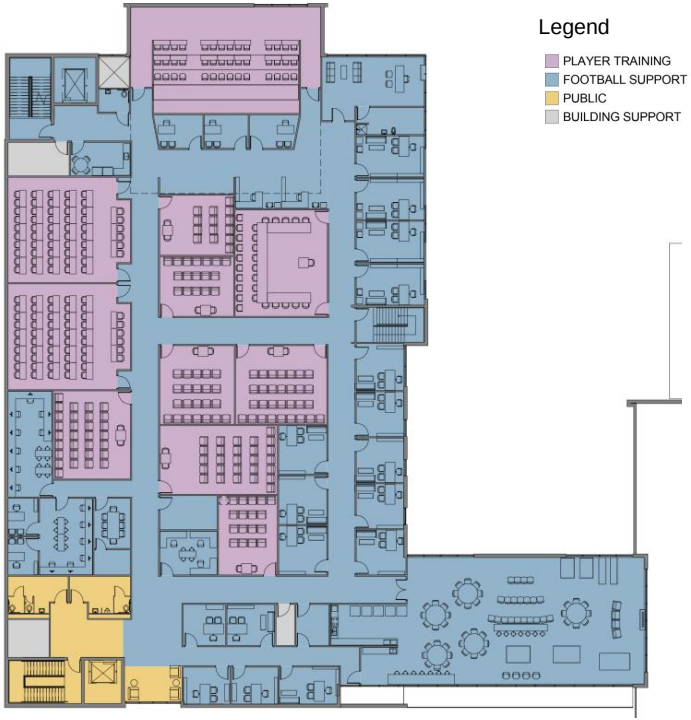
Football Performance Center



Mezzanine



2nd Floor



3rd Floor

Schematic Design and Capital Budget Amendment

Center for Excellence

Schematic Design and Capital Budget Amendment

Basketball Practice Facility

Schematic Design and Capital Budget Amendment

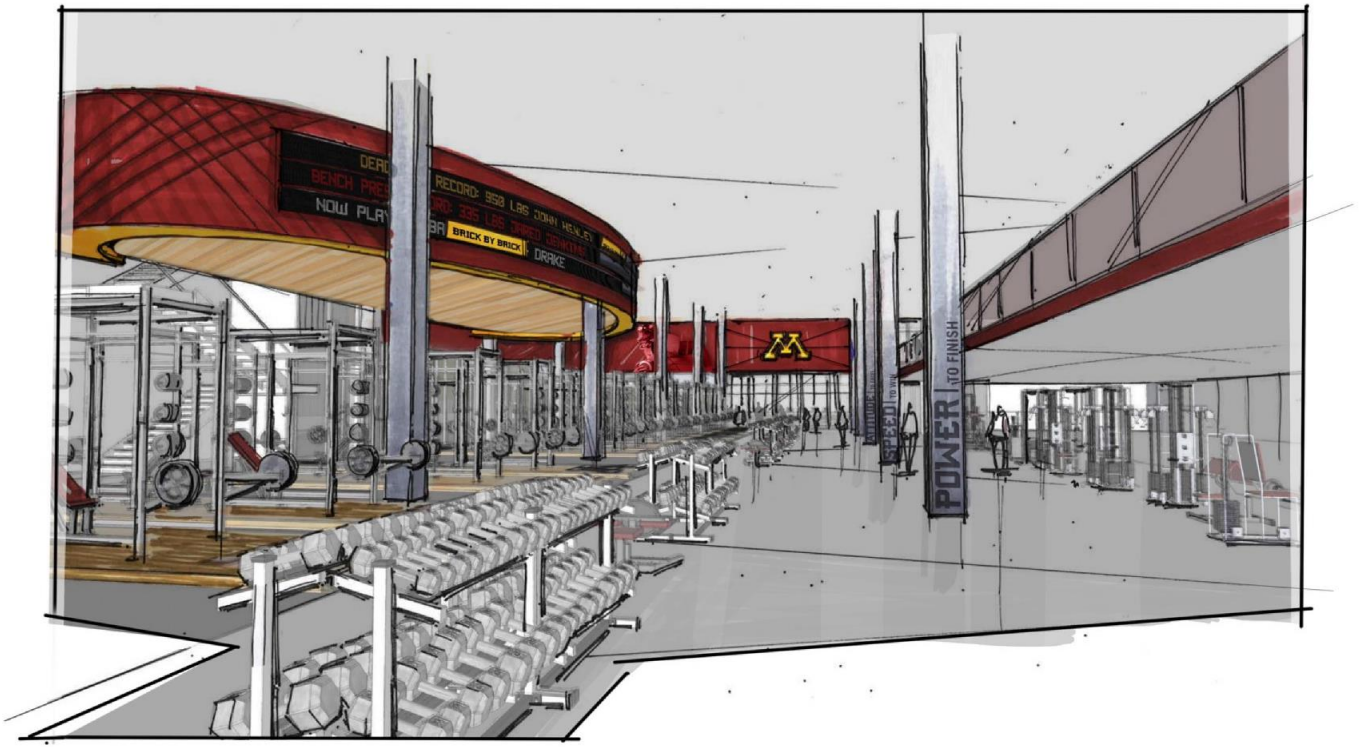
Football Performance Facility

Schematic Design and Capital Budget Amendment

Football Performance and Practice Facilities

Schematic Design and Capital Budget Amendment

Strength Training - Football Performance

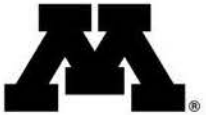


Schematic Design and Capital Budget Amendment

Training Table – Center for Excellence

President's Recommendation

- Approval of Schematic Design and Capital Budget Amendment for total project cost of $166 million
- Reservation of $20 million in debt capacity as a source of financing for project budgets associated with a competition-level track facility on the East Bank of the Minneapolis campus and other investments to promote gender equity and Title IX within Intercollegiate Athletics on the Twin Cities campus



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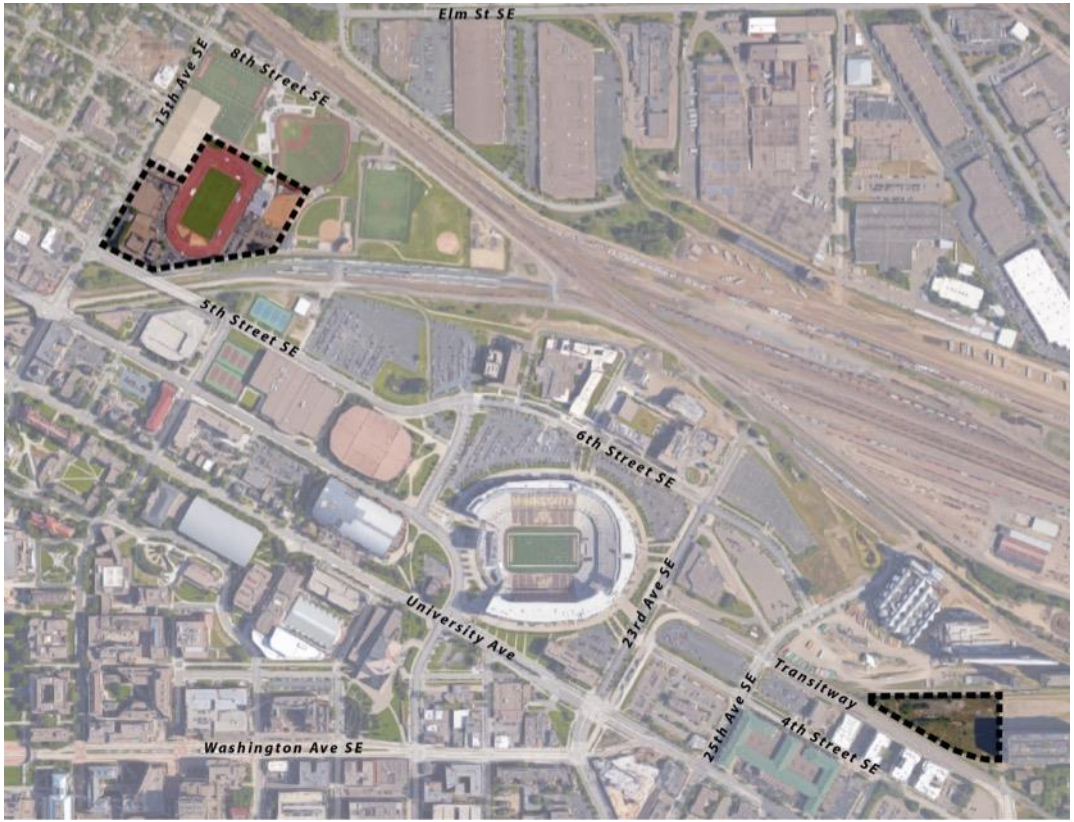
Schematic Design and Capital Budget Amendment

Location Map – Temporary Throws



North

Siebert Field – Hitting Facility
University of Minnesota Twin Cities
Project No. 01-138-15-1644

1. Basis for Request:

The Siebert Field Hitting Facility will provide a year-round practice facility for both the baseball and softball programs. The programs currently utilize the aging facilities at Gibson Nagurski which lack the necessary area for all sports that compete for practice space. The new facility will increase capabilities for student athlete recruitment and batting cage access during games at Siebert Field.

This project was planned as part of the Siebert Field Ballpark Replacement project that was completed in December 2012. Building foundations and pad for the Hitting Facility project were included in the ballpark replacement project. A capital budget amendment is requested so the project may proceed.

2. Scope of Project:

The project is located on the west side of the existing Siebert Field complex, on the Twin Cities East Bank campus. The new 4,700 square foot hitting facility includes 3 indoor batting tunnels, an equipment storage area and a unisex bathroom.

3. Master Plan:

The project is in compliance with the Twin Cities Campus Master Plan dated March 2009.

4. Environmental Issues:

There are no known environmental issues.

5. Cost Estimate:

Construction Cost	$1,114,000
Non Construction Cost	106,000
Total Project Cost	$1,250,000

6. Capital Funding:

Athletic Foundation Funds	$ 250,000
Internal Loan*	1,000,000
Total Project Funds	$1,250,000

* Internal loan to be paid by Intercollegiate Athletics

7. **Capital Budget Approvals:**

This project was not included in the FY2015 Capital Budget as fundraising was still under way. Therefore, a Capital Budget Amendment is requested so the project may proceed.

8. **Annual Operating and Maintenance Cost:**

The annual operating and maintenance cost is estimated to be approximately $28,000.

9. **Time Schedule:**

Proposed Design Completion	June 2015
Proposed Construction Completion	February 2016

10. **Project Team:**

Architect:	DLR Group
Contractor:	TBD

11. **Recommendation:**

The above described project scope of work, cost, funding, and schedule is appropriate:

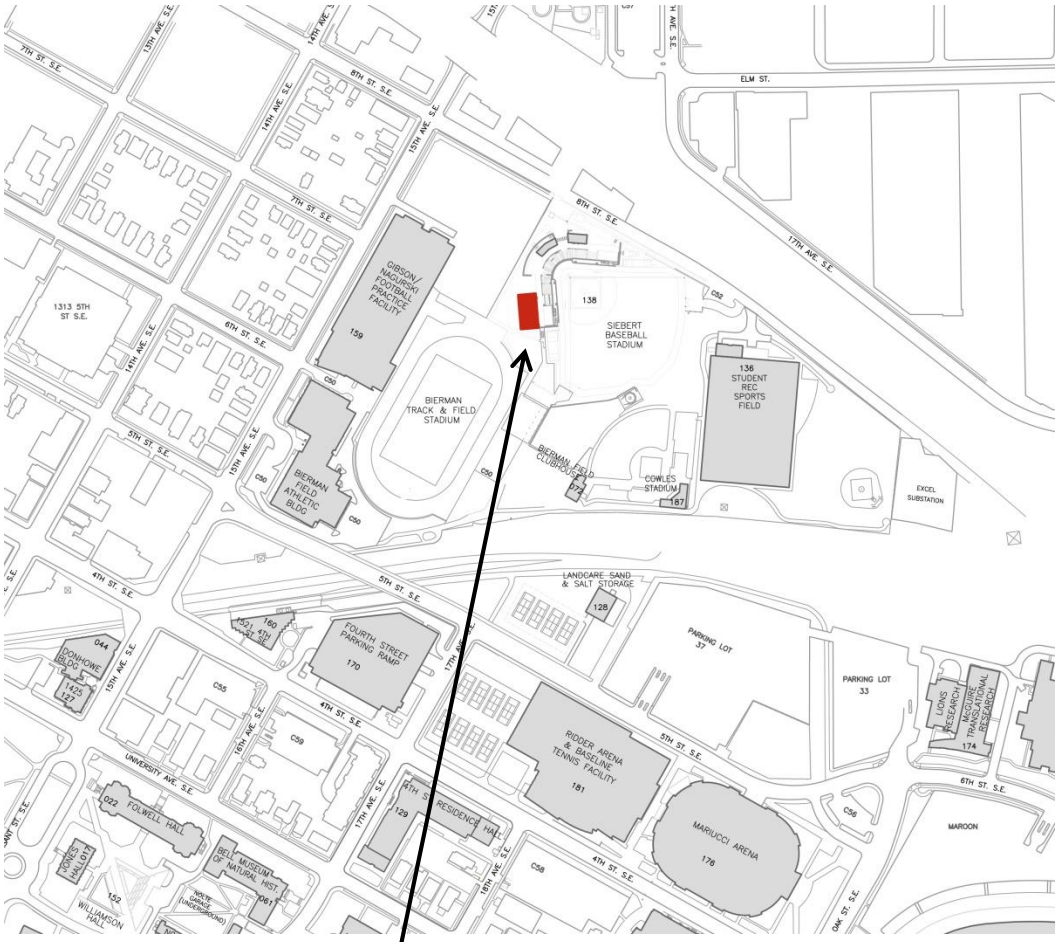
Beth Goetz – Interim Director of Athletics

Richard Pfutzenreuter, Vice President and Chief Financial Officer 9/28/15

Pamela Wheelock, Vice President for University Services 9/28/15

Siebert Field – Hitting Facility
University of Minnesota Twin Cities

Site Map



Siebert Field – Hitting Facility

Siebert Field Hitting Facility

Twin Cities Campus

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

UNIVERSITY OF MINNESOTA
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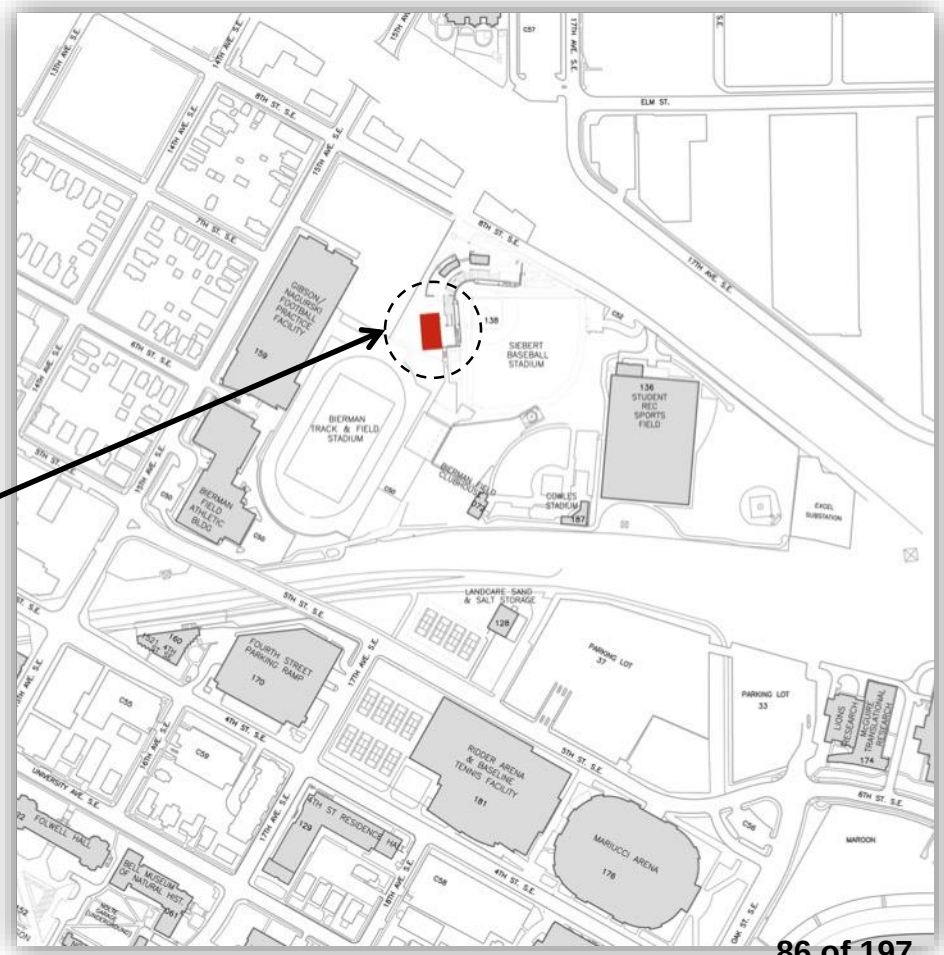
Capital Budget Amendment

Location Map

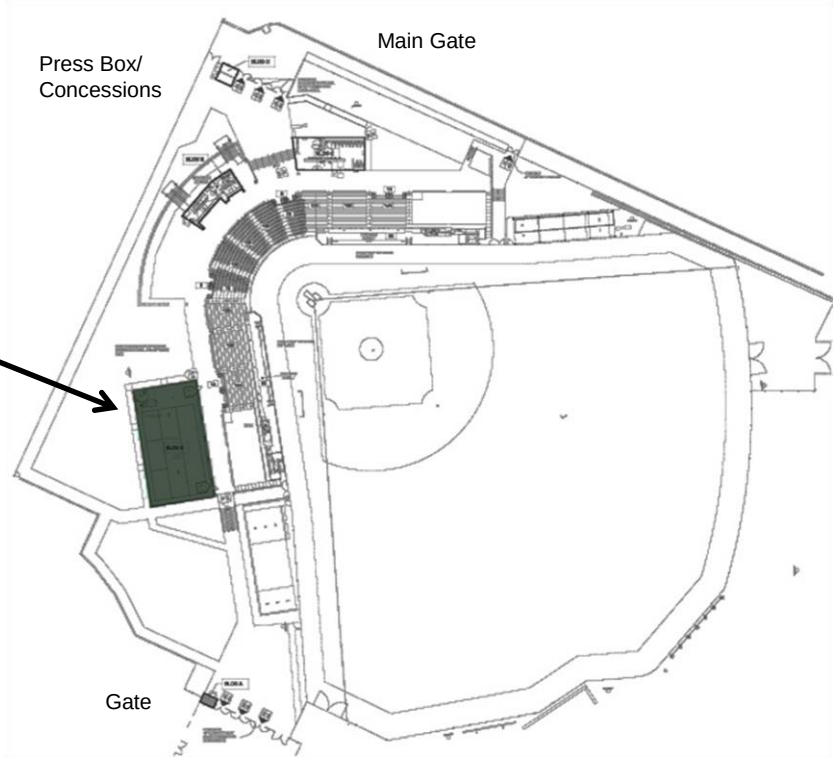
Siebert Field
Hitting Facility
Project Site



North

Capital Budget Amendment

Site Plan



Capital Budget Amendment

Project Rationale

- Shared use for Baseball and Softball programs
- Year round hitting practice facility
- Improve recruitment capabilities
- Batting cage access during games

Capital Budget Amendment

Project Description

- 4,700 sf Hitting Facility includes:
  - Completion of 2012 Siebert Baseball Field Replacement
  - 3 indoor batting tunnels
  - Equipment storage
  - Support Area

Capital Budget Amendment

Project Description

- Cost Estimate:

– Construction Cost	$1,114,000
– Non Construction Cost	106,000
Total Project Cost	$1,250,000

- Capital Funding:

– Athletic Foundation Funds	$ 250,000
– Internal Loan*	1,000,000
Total Project Funds	$1,250,000

*Internal loan to be paid by Intercollegiate Athletics

Capital Budget Amendment

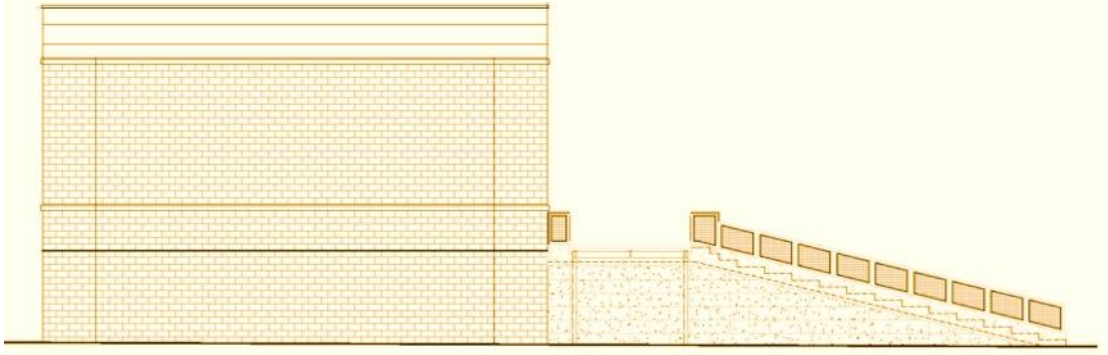
Project Description

- Anticipated Completion
  - February 2016
- Estimated Annual Operating Costs
  - $28,000
- Architect
  - DLR Group
- Contractor
  - TBD

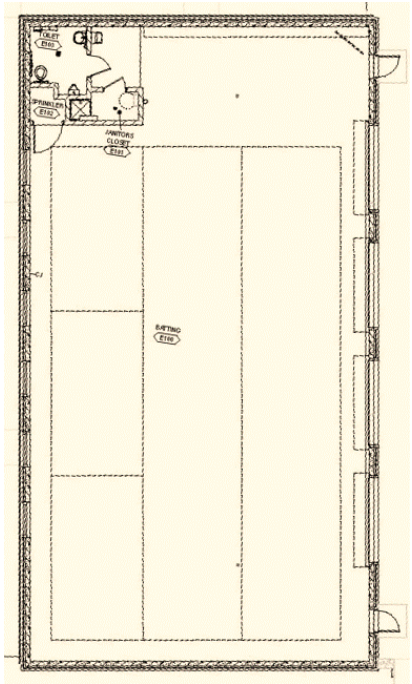
Capital Budget Amendment

First Floor Plan

East Elevation



South Elevation



Floor Plan

Capital Budget Amendment

Building Exterior

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BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Project Components of the 2015 Six-Year Capital Plan and the 2016 State Capital Request

☐ **Review** ☐ **Review + Action** ☒ **Action** ☐ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTERS: Pamela Wheelock, Vice President, University Services

PURPOSE & KEY POINTS

The President's recommended Six-Year Capital Plan (Capital Plan) includes major capital improvements planned for fiscal years 2016-2021. The Capital Plan includes projects to be funded with state capital support as well as planned major projects funded by the University through a combination of University debt obligations, local unit resources, fundraising, and public/private partnerships.

The 2016 request contains six projects:

1. Higher Education Asset Preservation and Replacement (HEAPR) funds
2. Chemistry and Advanced Materials Science Building (Duluth campus)
3. Health Science Education Facility (Twin Cities campus)
4. Plant Growth Research Facility (Twin Cities campus, St. Paul)
5. Academic and Student Experience Investments (system-wide)
6. Pillsbury Hall Renovation (Twin Cities campus)

The Plant Growth Research Facility, replacing the current Biological Sciences greenhouse, was included in the University's 2014 and 2015 legislative capital requests but was not funded. The Chemistry and Advanced Materials Science Building was awarded $2.25 million in funds in the 2014 legislative session for predesign and design. The University received $10 million in the 2015 session for predesign and design of the Health Sciences Education Facility.

BACKGROUND INFORMATION

Board of Regents Policy: *Reservation and Delegation of Authority* requires the Board to approve the University's state capital request before it is submitted for consideration by the Governor and the Legislature.

Board of Regents Policy: *Board Operations and Agenda Guidelines* requires a Six-Year Capital Plan that sets priorities and direction for ongoing academic and capital planning efforts. It directs the administration to conduct capital planning with a "six-year time horizon, updated annually." This annual capital planning process is completed in two parts:

- Part I is the six-year capital plan, which is updated annually and identifies capital projects approved to proceed with preliminary project planning but not authorized to proceed with design and construction. It is approved by the Board of Regents each year in October.

- Part II is the annual capital improvement budget, which authorizes the completion of design and construction projects with approved financing and schematic design, consistent with Board policies. It is approved by the Board of Regents each year in June.

PRESIDENT'S RECOMMENDATION

The President recommends approval of the 2016 State Capital Request and 2015 Six Year Capital Improvement Plan.

2015 SIX-YEAR CAPITAL PLAN FOR FY2016 – FY2021 **Attachment 1**
University of Minnesota

Overview

The *2015 Six-Year Capital Plan* for the University of Minnesota establishes the University's capital requests to be submitted to the State for consideration; sets priorities and direction for continued capital project and academic planning efforts; identifies the impact of additional University debt; assigns responsibility for capital fundraising; and forecasts additional building operational costs. The plan is updated on an annual basis, and approved by the Board of Regents.

The President's recommended *2015 Six-Year Capital Plan* includes:

- 2016 state capital request
- Future state capital requests for 2017 through 2021
- Major projects scheduled to be financed with University resources during the period FY2016 through FY2021

Capital Process Leadership

The development of the University's overall capital improvements plan is guided by the Capital Strategy Group (CSG) convened by the Vice President University Services. The CSG includes:

- Senior Vice President for Academic Affairs and Provost
- Vice President, Health Sciences and Medical School Dean
- Vice President, Research
- Vice President, University Services
- Vice President and Chief Financial Officer
- Special Assistant to the President, Government and Community Relations (ex officio)

This group recommends a capital plan to the President, and the President recommends a plan for review and approval by the Board of Regents. Other system and campus executives are included and consulted as the need arises.

The role of this group is to provide overall leadership and strategy development for institutional capital issues, including:

- Establishing strategic capital goals for the institution
- Integrating academic planning with physical and financial planning
- Prioritizing competing requests for capital funding
- Reviewing the financial parameters of the overall capital plan
- Developing a six-year capital plan recommendation to the President
- Establishing capital and space allocation policies (under development)

The routine management of capital process and project issues is addressed by the Capital Oversight Group (COG) which includes the Senior Vice President for Academic Affairs and Provost, Vice President for University Services, and the Vice President and Chief Financial Officer. This group is charged with coordinating routine activities associated with the University's capital planning, capital budget approvals, financing, communications, and construction activities.

Planning Process

Long-range strategic facility planning at the University of Minnesota begins with the academic planning process. Each year Vice Presidents, Chancellors, and Deans are asked to identify their most important program priorities and the facility improvements necessary to support those programs as part of the budget process. Through the academic planning process, academic leadership establishes the priorities for each college and campus. Facilities Management simultaneously evaluates the current condition of the buildings and infrastructure that support all academic programs. The capital planning process merges the academic priorities, available financial resources, facility needs, and facility conditions into specific project proposals.

Although many projects have both academic and organizational value, the projects that demonstrate both a programmatic urgency and implementation readiness are advanced for further analysis in the six-year timeframe. Other factors analyzed before projects are placed in the capital plan include:

- *Financial parameters* - The University reviews state economic forecasts, Minnesota Management and Budget debt capacity estimates and financial reports, past trends, and budget instruction documents to help shape the size of the overall capital plan relative to the State bonding bill. The University also projects its debt capacity annually and builds the capital plan in adherence to the debt guidelines expressed in Board of Regents policy. Lastly, the University evaluates its capacity to fundraise for specific projects.

- *Timing and sequencing of projects* – Many capital projects depend upon other capital project "dominoes." For example, Pillsbury Hall, a future home for College of Liberal Arts programs, cannot be renovated until Earth Sciences are moved out of the building and into a renovated Tate Lab, which in turn had to wait until Physics and Nanotechnology was completed.

- *Impact on academic programs (both research and instructional)* – The University manages the level of disruption that can be absorbed while still maintaining the operation of its research and teaching. Because the University does not close, renovations require "swing space" for programs to continue to operate and the institution needs to maintain a level of functional classrooms.

- *Health, safety, and regulatory requirements* – The University needs to maintain the health and safety of all its students, faculty, and staff, regardless of the program. These issues require some projects to be included in the capital plan.

- *Geographic Distribution* – The University is a system with programs and facilities across the State of Minnesota. Plans reflect the need to balance investment across the institution.

The resulting plan, shown in tabular form on *Attachment 2,* advances the University's highest capital priorities while retaining flexibility in support of emerging strategic initiatives. In the case of the Six-Year Capital Plan, it is important to note that many of the investments in later years are targeted to programs with academic strategic value. Specific programmatic details remain to be determined as the project is developed.

The capital improvement plan is built around four primary stages of project development, including a) Proposal/Project Definition; b) Planning and Feasibility; c) Resource Acquisition; and d) Implementation (Design and Construction). Projects included in the Six-Year Capital Plan are eligible to begin predesign, an exploratory process rooted in design and cost estimating that results in physical solutions to space and facility problems. Projects in the Six-Year Capital Plan that require State funding are submitted to the State for consideration during the bonding process. Projects are eligible to begin fundraising once the predesign process is substantially complete.

Fully funded projects with completed predesign documents are approved by the Board of Regents in the Annual Capital Improvement Budget. Approved projects are then implemented by Capital Planning and Project Management with other key partners such as Facilities Management.

Project Costs

Project costs included in the Six-Year Capital Plan are order-of-magnitude estimates only because programming and predesign studies for each project have not been completed. Projections are based on square foot costs recently experienced with comparable building and space types at the University, applied to the estimated square footage of each project. Project costs are represented in 2015 dollars; the 2016 projects have been escalated to midpoint of construction as required for submission to the State as part of the University's capital request. Beyond the 2016 year, cost escalation for inflation has not been included because of the uncertainty of construction inflation. When programming is completed and predesign studies are prepared for projects at the appropriate time, based on their position within the Six-Year Capital Plan, more accurate cost figures will be inserted into the plan when it is updated annually.

Areas of Focus for the 2015 Six-Year Capital Plan

The 2015 Six-Year Capital Plan is largely a continuation of previously expressed priorities updated to reflect the outcome of the 2015 capital request to the State.

The 2015 Six-Year Capital Plan was designed to further the following objectives:

- Advance strategic plan priorities
- Enhance the campus-based experience
- Align projects with available revenue sources
- Increase utilization and functionality of physical assets
- Complete capital investment sequences
- Reduce total campus square footage

The University completed a strategic plan for the Twin Cities campus since the adoption of the 2014 Six-Year Plan. The plan articulated a new, inspirational vision: "[to] be preeminent in solving the grand challenges of a diverse and changing world." In pursuit of this vision, the University will:

- Leverage its breadth and depth to capitalize on its exceptional students, faculty, staff, and location to generate and disseminate new knowledge and insights

- Create an educated populace able to identify, understand, and solve demanding problems
- Leverage divergent paths of knowledge and creativity to address grand challenges
- Partner with communities and the people of the State of Minnesota to benefit the common good

To this end, the University is advancing four broad goals, each with related strategies and tactics:

- *Goal 1 - Build an exceptional University where grand societal challenges are addressed.*
- *Goal 2 - Support excellence and, with intention, reject complacency.*
- *Goal 3 - Establish a culture of reciprocal engagement, capitalizing on our unique location.*
- *Goal 4 - Aggressively recruit, retain, and promote field shaping researchers and teachers.*

These objectives are the foundation of a long term capital plan that balances programmatic needs against facility condition related needs, distributes opportunity geographically throughout the University system, and completes in-process capital investment sequences.

Four key initiatives designed to advance strategic plan goals are embedded in the updates to the Six-Year Capital Plan.

- Removal of buildings rated as *Critical* by the Facility Condition Assessment (FCA) - Currently, about one third of the buildings (7.7 million square feet) on the Twin Cities campus alone are rated critical or poor in the FCA. Still, students study and live in those buildings, staff work in those buildings, faculty office in those buildings, and patients receive care in those buildings. This is in conflict with our goal of being an "exceptional University". This plan puts a strong emphasis on fixing or replacing some of our worst buildings. Higher Education Asset Preservation and Replacement (HEAPR) funding remains at the core of this strategy. Proposed investments involving Pillsbury, Child Development, Mayo Building, Biological Sciences Greenhouse, and several yet to be selected critical facilities are all designed to advance this strategic goal.

  A key component of the University's broader capital investment planning and HEAPR prioritization processes is the development of a building-by-building strategy. Under this initiative, Facilities Management is working to identify needs in each of the University's 916 buildings, and to classify them as "keep up / catch up", "sustain", or "dispose" based on a combination of factors including facility condition, historic consideration, programmatic relevance, and adaptability. With this information, the University and its colleges and departments can plan investments and prioritize projects accordingly. The effort is nearly complete for supported buildings on the Twin Cities campus, and will be expanded to system campuses at a future date.

- Advancing the Health Sciences – This plan proposes three large investments in improving the educational and clinical research spaces for the Medical School and the other colleges of the Academic Health Center (AHC). Phase I and II involve renovation and improved utilization of existing space in the AHC plus some new construction for an integrated Health Sciences Education Facility and the construction of a new Clinical

Sciences Facility envisioned in the $10 million of funding provided to the University by the State as an outcome of the 2015 session. A proposed Phase III would seek modern replacement space for programs currently housed in the Mayo Building, a complex of individual former hospital buildings constructed between 1920 and 1950 that are well past their useful life. The goal of this sequence of projects is to make significant progress towards the University's goal of decommissioning the Mayo Building while advancing the quality and capability of the University's health science programs in education, research, and clinical care.

- Modernizing St. Paul campus research laboratories – In the 2013 Six-Year Capital Plan the University identified a need to invest in St. Paul campus research laboratories and outlined a sequence of renovation, new construction, and decommissioning actions that focused on the needs of the College of Food, Agricultural, and Natural Resource Sciences (CFANS), the College of Veterinary Medicine (CVM) and the College of Biological Sciences (CBS). Leadership on the St. Paul Campus identified a need for facilities capable of supporting research to address the challenges of determining how safe, affordable, nutritious food can be provided for 9 billion people over the next 40 years while ensuring environmental sustainability, strengthening economic stability, and promoting public health.

  The State provided funding to replace the Veterinary Isolation Facility in the 2015 session. The University is again requesting funds in 2016 to replace the obsolete and FCA critical Biological Sciences Greenhouse. Additional requests for FCA critical facility replacement and renovation projects are included in 2018 and 2020.

- Expanding capacity in STEM programs – Student demand for Science, Technology Engineering, and Math (STEM) programs as well as State performance measures related to STEM degrees has increased the need for additional laboratory facilities. Chemistry is a core component of most STEM programs and an inadequate supply of chemistry labs is restricting the University's ability to meet demand and move students through the necessary course sequences. The University received design funding for the UMD Chemistry and Advance Materials Science building in 2014 and has included the balance of the project on the 2016 Capital Request. The Plant Growth Research Facility and Academic and Student Experience Investment program in the 2016 Capital Request make investments in STEM related teaching and research laboratories on the UMC and UMTC campuses. The Six-Year Capital Plan also includes funding on the Twin Cities Campus for an Undergraduate Teaching Laboratory Facility (2018) and a Chemistry Research Facility (2020).

Project Descriptions
Project descriptions can be found in Attachment 3.

The Six-Year Capital Plan (Attachment 2) also contains a list of *Other Projects Under Consideration*. These facility needs were identified through the Six-Year Capital Planning process as important investments based on collegiate and administrative unit priorities. The potential projects identified on the list are not sufficiently developed in terms of their

programmatic scope, funding or cost to be placed into a specific year of the plan, however they are expected to further refine their planning over the near term and the Board of Regents should expect further discussion or proposal(s) advancing to them for consideration.

2015 Six Year Capital Plan
Project Funding Report

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

Definitions

Proposal: Projects in this stage represent preliminary conceptual ideas regarding program need and related capital requirements. Local units normally identify these ideas as part of the compact process. Projects do not have permission to begin predesign or fundraising without administrative approval from the Capital Oversight Group.

Planning and Feasibility: Projects in this stage have been determined to be an institutional priority and have been approved to begin predesign activities. Financial feasibility, including the completion of a fundraising feasibility study with the University of Minnesota Foundation, is assessed at this stage.

Resource Aquisition: Projects in this stage have an approved pre-design document and have been approved to actively seek funds.

Project Costs

Project costs included in the Six-Year Capital Plan are order-of-magnitude estimates. Projections are based on square foot costs recently experienced with comparable building and space types at the University, applied to the estimated square footage of each project. Programming and predesign studies are prepared for projects at the appropriate time to determine more accurate cost figures.

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2016

Stage: Resource Acquisition

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
398	HEAPR	Systemwide	$100,000	$100,000	$0
410	Chemistry and Advance Materials Science	UMD	$40,750	$27,167	$13,583
408	AHC Phase I: Health Science Education Facility	UMTC	$100,000	$66,667	$33,333
447	Plant Growth Research Facility	UMTC	$6,600	$4,400	$2,200
466	Academic and Student Experience Investments	Systemwide	$24,000	$16,000	$8,000
411	Pillsbury Hall Renovation	UMTC	$33,000	$22,000	$11,000
			$304,350	$236,234	$68,116
		FY Total:	$304,350	$236,234	$68,116
		Running Total:	$304,350	$236,234	$68,116

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2017

Stage: Planning & Feasibility

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
401	HEAPR	Systemwide	$50,000	$50,000	$0
415	Contemporary Learning and Collections	UMTC	$40,000	$26,700	$13,300
449	TBD	Systemwide	$36,000	$24,000	$12,000
			$126,000	$100,700	$25,300
		FY Total:	$126,000	$100,700	$25,300
		Running Total:	$430,350	$336,934	$93,416

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2018

Stage: Planning & Feasibility

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
399	HEAPR	Systemwide	$100,000	$100,000	$0
403	St. Paul Interdisciplinary Laboratory	UMTC	$46,000	$30,667	$15,333
441	AHC Phase II: Clinical Science Facility	UMTC	$100,000	$66,667	$33,333
455	Child Development Replacement	UMTC	$21,000	$14,000	$7,000
452	Research and Outreach Center Investments	ROCs & Stations	$6,000	$4,000	$2,000
451	Undergraduate Teaching Laboratory Facility	UMTC	$42,000	$28,000	$14,000
			$315,000	$243,334	$71,666
		FY Total:	$315,000	$243,334	$71,666
		Running Total:	$745,350	$580,268	$165,082

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2019

Stage: Proposal

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
402	HEAPR	Systemwide	$50,000	$50,000	$0
448	10 Church Street SE Repurposing	UMTC	$39,000	$26,000	$13,000
468	Critical Facilities Renewal	UMTC	$45,000	$30,000	$15,000
			$134,000	$106,000	$28,000
		FY Total:	$134,000	$106,000	$28,000
		Running Total:	$879,350	$686,268	$193,082

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2020

Stage: Proposal

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
446	HEAPR	Systemwide	$100,000	$100,000	$0
414	Academic Priority	UMR	$45,000	$30,000	$15,000
454	AHC Phase III: Mayo	UMTC	$90,000	$60,000	$30,000
456	Chemistry Research Laboratory Investment	UMTC	$30,000	$20,000	$10,000
457	St. Paul Critical Building Renovation	UMTC	$50,000	$33,300	$16,700
			$315,000	$243,300	$71,700
		FY Total:	$315,000	$243,300	$71,700
		Running Total:	$1,194,350	$929,568	$264,782

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

2021

Stage: Proposal

State Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
467	HEAPR	Systemwide	$50,000	$50,000	$0
470	TBD	Systemwide	$45,000	$30,000	$15,000
			$95,000	$80,000	$15,000
		FY Total:	$95,000	$80,000	$15,000
		Running Total:	$1,289,350	$1,009,568	$279,782

dollars in thousands

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Funding Report

Under Consideration / Evaluation

Stage: Proposal

University Funded Projects

File	Project Title	Campus	Total	State Funds	University Funds
461	Admissions Welcome Center	UMTC	$0	$0	$0
459	Pioneer Hall Renovation or Replacement	UMTC	$0	$0	$0
418	Superblock Dining Replacement	UMTC	$0	$0	$0
425	Washington Ave Bridge and Plaza	UMTC	$0	$0	$0
			$0	$0	$0
		FY Total:	$0	$0	$0
		Running Total:	$1,289,350	$1,009,568	$279,782

2015 Six Year Capital Plan
Project Description Report

UNIVERSITY OF MINNESOTA

2015 Six Year Capital Plan - Project Description Report

Definitions

Proposal: Projects in this stage represent preliminary conceptual ideas regarding program need and related capital requirements. Local units normally identify these ideas as part of the compact process. Projects do not have permission to begin predesign or fundraising without administrative approval from the Capital Oversight Group.

Planning and Feasibility: Projects in this stage have been determined to be an institutional priority and have been approved to begin predesign activities. Financial feasibility, including the completion of a fundraising feasibility study with the University of Minnesota Foundation, is assessed at this stage.

Resource Aquisition: Projects in this stage have an approved pre-design document and have been approved to actively seek funds.

Project Costs

Project costs included in the Six-Year Capital Plan are order-of-magnitude estimates. Projections are based on square foot costs recently experienced with comparable building and space types at the University, applied to the estimated square footage of each project. Programming and predesign studies are prepared for projects at the appropriate time to determine more accurate cost figures.

398 HEAPR

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	Systemwide	*RRC Contact:*	Wheelock, P.
Facility:	Systemwide	*Year:*	2016
Total Cost:	$100,000	*Stage:*	Resource Acquisition

Description: This request is for funds used system-wide to maximize and extend the life of the University's existing physical plant. Individual projects will fall into one of four broad categories – Health and Safety, Building Systems, Energy Efficiency, and Utility Infrastructure. The system-wide HEAPR advisory committee makes recommendations on individual projects to the Vice President for University Services using data from the Facility Condition Assessment and Building Code Deficiency Report. HEAPR funds do not require a one-third University funding match. Funding for the HEAPR program is included each year in the legislative request.

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403 St. Paul Interdisciplinary Laboratory

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	New Facility	*Year:*	2018
Total Cost:	$46,000	*Stage:*	Planning & Feasibility

Description: This project will construct a new interdisciplinary research laboratory building for the College of Biological Sciences (CBS), College of Food, Agricultural, and Natural Resource Sciences (CFANS), and College of Veterinary Medicine (CVM). The new facility will accommodate principal investigators in fields such as plant pathology, animal infectious diseases, microbial systems, synthetic biology, and fungal evolution. This project was included in the University's 2014 capital request.

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408 AHC Phase I: Health Science Education Facility

Vice President:	Health Sciences	*RRC:*	Health Sciences
Campus:	UMTC	*RRC Contact:*	Jackson, B.
Facility:	Academic Health Center	*Year:*	2016
Total Cost:	$100,000	*Stage:*	Resource Acquisition

Description: This project will renovate, modernize and expand the University's medical and health sciences learning facilities. Facility planning work funded during the 2015 session is underway and will guide the final facility solution to be presented during the 2016 session. Active learning environments and student-instructor interaction across disciplines, which are the future state of education in academic health, requires different space than what exists today. New education and learning facilities will include classrooms, simulation centers, small group rooms, an advanced technology-rich biomedical library and student services and community amenities.

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dollars in thousands

410 Chemistry and Advance Materials Science

Vice President:	Duluth Campus	*RRC:*	Swenson College of Science and Engineering
Campus:	UMD	*RRC Contact:*	Black, L.
Facility:	New Facility	*Year:*	2016
Total Cost:	$40,750	*Stage:*	Resource Acquisition

Description: This project will construct approximately 51,000 square feet of research laboratories, instructional laboratories, teaching space, offices, and meeting space for the Swenson College of Science and Engineering on the Duluth Campus. The building is conceived as three stories with a mechanical and electrical penthouse. The research laboratory space, consisting of flexible wet and dry labs with adequate utilities, environmental controls and modern safety accommodations, will serve the needs of evolving research and teaching pedagogy. This project was included in the 2014 capital request and received funding for predesign and design services.

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411 Pillsbury Hall Renovation

Vice President:	Academic Affairs	*RRC:*	College of Liberal Arts
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	Pillsbury Hall	*Year:*	2016
Total Cost:	$33,000	*Stage:*	Resource Acquisition

Description: This project will completely renovate Pillsbury Hall, replacing obsolete science facilities with modern, flexible non-laboratory teaching, learning, and research spaces for College of Liberal Arts' humanities programs including the Department of English (which teaches nearly 6,000 students per year). The renovated space is anticipated to be divided approximately equally between classroom- and assembly-type space to support multiple modes of learning and alternative workplace office space. At nearly 60,000 gross square feet, the renovation is expected to maintain an equivalent amount of space when complete. The rehabilitation of Pillsbury Hall is expected to be consistent with the Secretary of the Interior's Standards for Preservation.

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414 Academic Priority

Vice President:	Rochester Campus	*RRC:*	Academic Affairs
Campus:	UMR	*RRC Contact:*	Lehmkuhle, S.
Facility:	New Facility	*Year:*	2020
Total Cost:	$45,000	*Stage:*	Proposal

Description: The project will create academic space for the growing UMR student community. Master plan projections indicate that the campus is expected to be outgrown its existing facilities by 2020 prompting the need for additional dedicated academic space. The proposed building will include space to support active, collaborative, and adaptive learning environments, space for student laboratories, space for faculty/student interaction, and space that is open and adaptable.

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dollars in thousands

415 Contemporary Learning and Collections

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	TC Campus	*Year:*	2017
Total Cost:	$40,000	*Stage:*	Planning & Feasibility

Description: This project will address the collections needs of multiple colleges and the University Libraries by providing space for storage, preservation, regeneration, and characterization of essential resources that support research across the University system. Project planning will include an analysis of options to reconfigure stack space into areas that will engage faculty and students and support contemporary learning and scholarship.

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418 Superblock Dining Replacement

Vice President:	University Services	*RRC:*	Housing & Residential Life
Campus:	UMTC	*RRC Contact:*	Scheich, L.
Facility:	New Facility	*Year:*	Under Consideration / Evaluation
Total Cost:	$0	*Stage:*	Proposal

Description: This project will construct a new consolidated dining facility for the four residence halls in the superblock. The two existing facilities are under-sized and not capable of providing the level of food service expected by today's students. A consolidated facility will result in additional operational efficiencies.

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425 Washington Ave Bridge and Plaza

Vice President:	University Services	*RRC:*	Facilities Management
Campus:	UMTC	*RRC Contact:*	Berthelsen, M.
Facility:	Washington Avenue Bridge	*Year:*	Under Consideration / Evaluation
Total Cost:	$0	*Stage:*	Proposal

Description: This project will restore or replace the Washington Avenue Bridge pedestrian enclosure and address circulation, sightlines, aesthetics and functionality of the Washington Avenue Bridge plaza area as a gathering place and event space.

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441 AHC Phase II: Clinical Science Facility

Vice President:	Health Sciences	*RRC:*	Health Sciences
Campus:	UMTC	*RRC Contact:*	Jackson, B.
Facility:	Academic Health Center	*Year:*	2018
Total Cost:	$100,000	*Stage:*	Planning & Feasibility

Description: The Clinical Science Facility is the second of a three phased investment strategy in Academic Health Center facilities as defined by the 2015 Six Year Capital Plan. The facility will be designed to support clinical research and education that promotes new innovative models of care which are patient-centered, team-based, and which facilitate collaboration across the health professions. Specific program requirements and facility needs will be determined during strategic and predesign planning for the Academic Health Center in 2016-2017.

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447 Plant Growth Research Facility

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	Plant Growth Facilities-West	*Year:*	2016
Total Cost:	$6,600	*Stage:*	Resource Acquisition

Description: This project will provide a new 12,000 square foot greenhouse to the Plant Growth Facilities for the Biological Sciences Conservatory to replace and demolish the existing Biological Sciences Greenhouse on the St. Paul campus. The new greenhouse will be built similar to the neighboring structures, but will include aspects specific to the plant collection requirements. While the existing Plant Growth Facilities are set up for agricultural experimentation, the new greenhouse will be a specialized unit that serves the related educational missions necessary to ensure the State's agricultural future. Upon completion, plant specimens and program activities currently housed in the existing Biological Sciences Greenhouse will be moved to the new facility and the old greenhouse will be demolished.

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448 10 Church Street SE Repurposing

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	10 Church Street SE	*Year:*	2019
Total Cost:	$39,000	*Stage:*	Proposal

Description: 10 Church Street is an FCA critical facility in a high visible and prominent public location. Following the completion of the new Bell Museum on the St. Paul campus, this project will renovate the existing facility to support the academic mission of the University.

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dollars in thousands

449 TBD

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	Systemwide	*RRC Contact:*	Multiple
Facility:	Systemwide	*Year:*	2017
Total Cost:	$36,000	*Stage:*	Planning & Feasibility

Description: This project will support strategic investments in programmatic needs in multiple facilities that are not suitable candidates for whole building renovations. Investments will be advanced that are focused on learning spaces and student support services. This project will be a continuation of the proposed Strategic Facility Investments for the 2016 bonding bill.

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451 Undergraduate Teaching Laboratory Facility

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	New Facility	*Year:*	2018
Total Cost:	$42,000	*Stage:*	Planning & Feasibility

Description: This project will provide state-of-the-art, energy efficient teaching laboratories, student collaboration spaces, and classrooms for teaching undergraduate chemistry laboratory courses. The new laboratories will replace and improve upon outdated facilities currently spread throughout multiple locations (including faculty research laboratories) in Smith and Kolthoff Halls. Adequate laboratory space is a limiting factor in the University's ability to meet the demand for STEM related programs.

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452 Research and Outreach Center Investments

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	ROCs & Stations	*RRC Contact:*	Buhr, B.
Facility:	Systemwide	*Year:*	2018
Total Cost:	$6,000	*Stage:*	Planning & Feasibility

Description: This program will fund a variety of projects at the Research and Outreach Centers across the state.

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dollars in thousands

454 AHC Phase III: Mayo

Vice President:	Health Sciences	*RRC:*	Health Sciences
Campus:	UMTC	*RRC Contact:*	Jackson, B.
Facility:	Academic Health Center	*Year:*	2020
Total Cost:	$90,000	*Stage:*	Proposal

Description: This project will complete the three phased series of investments in the Academic Health Center facilities south of Washington Avenue. The proposed Phase III would seek to construct new modern replacement space for programs currently housed in the Mayo Building, a complex of individual former hospital buildings constructed between 1920 and 1950 that are well past their useful life. The goal of this sequence of projects is to make significant progress towards the University's goal of decommissioning the Mayo Building while advancing the quality and capability of the University's health science programs. Mayo is an FCA critical facility.

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455 Child Development Replacement

Vice President:	Academic Affairs	*RRC:*	College of Education and Human Development
Campus:	UMTC	*RRC Contact:*	Quam, J.
Facility:	New Facility	*Year:*	2018
Total Cost:	$21,000	*Stage:*	Planning & Feasibility

Description: This project will replace the FCA critical and functionally obsolete Child Development building with new offices, seminar rooms, and research facilities for the Institute of Child Development, as well as state-of-the-art facilities for the Shirley G. Moore Laboratory School. The new building will provide a modern, adaptable environment to support innovative programmatic applications, translating current research and theory into best practices.

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456 Chemistry Research Laboratory Investment

Vice President:	Academic Affairs	*RRC:*	College of Science and Engineering
Campus:	UMTC	*RRC Contact:*	Crouch, S.
Facility:	TC Campus	*Year:*	2020
Total Cost:	$30,000	*Stage:*	Proposal

Description: This project will renovate the antiquated teaching labs in Smith and Kolthoff Halls to state-of-the-art energy efficient research space needed for new faculty in the chemistry department. The project will improve lab bench, equipment and research support spaces and create opportunity for more specialized research experimentation. It will accommodate a greater number of faculty and graduate assistants needed to support the growing undergraduate enrollment in Chemistry.

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dollars in thousands

457 St. Paul Critical Building Renovation

Vice President:	Academic Affairs	*RRC:*	College of Food, Agricultural and Natural Resource Sciences
Campus:	UMTC	*RRC Contact:*	Buhr, B.
Facility:	TC Campus	*Year:*	2020
Total Cost:	$50,000	*Stage:*	Proposal
Description:	This project will renovate a facility in critical condition on the St. Paul campus.		

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459 Pioneer Hall Renovation or Replacement

Vice President:	University Services	*RRC:*	Housing & Residential Life
Campus:	UMTC	*RRC Contact:*	Scheich, L.
Facility:	TC Campus	*Year:*	Under Consideration / Evaluation
Total Cost:	$0	*Stage:*	Proposal
Description:	This project will explore options meeting the facility renewal needs of Pioneer Hall.		

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461 Admissions Welcome Center

Vice President:	Academic Affairs	*RRC:*	Academic Affairs
Campus:	UMTC	*RRC Contact:*	Hanson, K.
Facility:	TC Campus	*Year:*	Under Consideration / Evaluation
Total Cost:	$0	*Stage:*	Proposal
Description:	This project will explore options for consolidating freshman, transfer and international student admissions into a single more publicly accessible location.		

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466 Academic and Student Experience Investments

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	Systemwide	*RRC Contact:*	Multiple
Facility:	Systemwide	*Year:*	2016
Total Cost:	$24,000	*Stage:*	Resource Acquisition

Description: This request is for funds to make targeted strategic investments in modernizing existing teaching, research, outreach and student support spaces on the University's Duluth, Morris, Crookston and Twin Cities campuses. Similar to appropriations for laboratory renovations in 2008 and 2010, this request is intended to update individual spaces that will not otherwise be improved through whole building renovations. Funds will be allocated to each campus to advance high priority projects focused on learning spaces, student support services and research laboratories.

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468 Critical Facilities Renewal

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	UMTC	*RRC Contact:*	
Facility:	Systemwide	*Year:*	2019
Total Cost:	$45,000	*Stage:*	Proposal

Description: This project will be defined in a future plan when the status of previous legislative funding requests are known. The project will be selected to address a critical FCA condition facility. Currently, about one third of the buildings (7.7 million square feet) on the Twin Cities campus alone are rated critical or poor in the FCA. Still, students study and live in those buildings, staff works in those buildings, faculty office in those buildings, and patients receive care in those buildings. This is unacceptable situation for an "exceptional University".

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470 TBD

Vice President:	Systemwide	*RRC:*	Systemwide
Campus:	Systemwide	*RRC Contact:*	Multiple
Facility:	System Campuses	*Year:*	2021
Total Cost:	$45,000	*Stage:*	Proposal

Description: This project will be defined in a future plan when the status of previous legislative funding requests are known.

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dollars in thousands

UNIVERSITY OF MINNESOTA

2016 State Capital Request
Project Summaries

Higher Education Asset Preservation and Replacement

At a Glance

Campus:	Systemwide	2016 Total Funds:	$100,000
Priority:	1	State Request Funds:	$100,000
Total Project Cost:	$100,000	University Funds:	$0

Project Summary: This request is for funds to renew existing campus facilities and infrastructure in accordance with Minnesota Statutes, section 135A.046.

Project Description

The purpose and use of Higher Education Asset Preservation and Replacement (HEAPR) funds is defined in statute 135A.046 Asset Preservation and Replacement. Funds are intended to preserve and renew existing campus facilities by funding five kinds of projects: Accessibility, Building Systems (e.g. exterior envelope, mechanical, and electrical systems), Energy Efficiency, Health and Safety (e.g. hazardous material abatement, building code compliance), and Infrastructure. HEAPR funds are used throughout the University of Minnesota system. Funds are allocated to campuses and research stations based on facility need and overall quantity of space. The University regularly reports on the status of its HEAPR funding to Minnesota Management and Budget and the Legislature.

Project Rationale

HEAPR funds are essential in supporting the teaching, research, and service mission of the University. The University's mission will be compromised without continued, sustained reinvestment in buildings and infrastructure. The University's capital budget principles emphasize investment in existing facilities and infrastructure to extend useful life and to ensure the health, safety, and well-being of building occupants. Individual projects to be funded with HEAPR have been identified and prioritized through the University's Facility Condition Assessment (FCA) process. The FCA is a comprehensive systemwide evaluation of the condition of the University of Minnesota's campus facilities and infrastructure portfolio. FCA data is used to triage existing buildings into those that need long-term investments, those that need short-term investments, and those where no investment is required, in alignment with academic priorities.

HEAPR funds are used throughout the University of Minnesota system and are allocated to campuses and research stations based on facility need and overall space. They are essential in supporting the teaching, research, and service mission of the University. Funds keep people safe and make the campuses accessible for all Minnesotans. The value of the State's past investments is maximized by extending the functionality and useful life of existing buildings. HEAPR dollars are flexible, allowing the University to respond quickly to emergencies and to respond to unique opportunities. Regulatory compliance items, e.g. elevators, storm water and building codes, and other projects that are generally smaller than traditional capital request projects are funded with HEAPR allocations. These projects move faster, put people to work quicker, and provide different firms an opportunity to participate in design and construction at the University. HEAPR projects are green, since renewing an existing facility is more sustainable than new "green" construction.

Previous Appropriations for this Project

The University includes HEAPR in each capital request. The University received $50 million in 2012, no appropriation in 2013, $42.5 million in 2014 and no appropriation in 2015.

Current Project Status

Varies by project

dollars in thousands

Chemistry and Advanced Materials Science Building

At a Glance

Campus:	U of M - Duluth Campus	2016 Total Funds:	$40,750
Priority:	2	State Request Funds:	$27,167
Total Project Cost:	$43,000	University Funds:	$13,583

Project Summary: This request is for funds to construct, furnish and equip a new science and engineering laboratory building on the Duluth campus.

Project Description

This project will construct approximately 51,000 square feet of research laboratories, instructional laboratories, teaching space, offices, and meeting space for the Swenson College of Science and Engineering on the Duluth Campus. The building is conceived as three stories with a mechanical and electrical penthouse. The research laboratory space, consisting of flexible wet and dry labs with adequate utilities, environmental controls and modern safety accommodations, will serve the needs of evolving research and teaching pedagogy.

Project Rationale

The Duluth campus is committed to supporting programs that work to expand the State's Science, Technology, Engineering, and Math (STEM) workforce, in addition to creating an inclusive campus climate through curricula and programs that prepare all students to be successful contributing members of diverse and global communities. Scholarship and research, both basic and applied, are foundations for new discoveries and knowledge, and for economic growth.

The proposed new chemistry and materials science facility will provide much needed new facilities for the Department of Chemistry and Biochemistry and advance an emergent Material Science and Engineering program. The campus has a need for additional upper division or advanced instructional labs in which students receive training on modern instrumental, experimental, and computational techniques. To accomplish this, laboratories need to have both student work spaces and instructional support areas. As new faculty are hired due to retirements in the next 5-10 years, larger and more instrument-rich research programs will be established requiring more research space.

Attracting high quality students in the STEM fields, as well as excellent faculty, who seek a collaborative environment to conduct leading-edge research and teach in interdisciplinary areas, will lead to increased external funding, economic growth and competitiveness, and greater technology- and knowledge- transfer to the state and region. The new research and education programs in material science and engineering will certainly broaden the impact that UMD and the Swenson College of Science and Engineering have on regional and local industries. To achieve these outcomes the campus needs modern laboratory space and rooms with specialized uses (instrument rooms, cold rooms, autoclave room, etc).

The existing Chemistry building was the first building constructed at UMD in 1948, and was not designed to be dedicated to Chemistry. Utility infrastructure is outdated, frequently in need of repair, and cannot support 21st century science. This building has numerous deficiencies including a lack of adequate eyewashes and showers, lack of chemical storage space, rusty and poorly ventilated under the hood storage, very old and poorly designed labs, lack of adequate wall space for chemical storage cabinets and gas cylinders, lack of adequate supply of wall or bench mounted electrical outlets, and water leaks. In addition, assessments have noted corroded gas lines and gas valves, poor air handling systems, and an elevator which is often out of service. Many of these have the potential to compromise the health and safety of building occupants.

Previous Appropriations for this Project

The University received an appropriation of $1.5 million in 2014 to predesign and design a new facility to meet the research and undergraduate instruction needs of the Swenson

dollars in thousands

Chemistry and Advanced Materials Science Building

College of Science and Engineering on the Duluth campus. 2014 total funding was $2.25 million.

Current Project Status

Schematic Design In Progress

AHC Phase I: Health Sciences Education Facility

At a Glance

Campus:	U of M - Twin Cities Campus	2016 Total Funds:	$100,000
Priority:	3	State Request Funds:	$66,667
Total Project Cost:	$100,000	University Funds:	$33,333

Project Summary: This request is for funds to complete design, renovate, construct, furnish and equip education facilities to meet the needs of the Medical School and Academic Health Center on the Twin Cities campus.

Project Description

This project will renovate, modernize and expand the University's medical and health sciences learning facilities. Facility planning work funded during the 2015 session is underway and will guide the final facility solution to be presented during the 2016 session. Active learning environments and student-instructor interaction across disciplines, which are the future state of education in academic health, requires different space than what exists today. New education and learning facilities will include classrooms, simulation centers, small group rooms, an advanced technology-rich biomedical library and student services and community amenities .

The legislative and executive commitment in the 2015 session to address aging and obsolete facilities with a major new investment in health education facilities will increase utilization, flexibility and focus on the interdisciplinary approaches will help a renewed vibrant academic clinical environment, innovation and ground-breaking programs.

Project Rationale

The University is home to Minnesota's only public medical school in addition to health science schools for dentistry, public health, pharmacy, nursing and veterinary medicine. The University's Academic Health Center (AHC) offers 62 accredited professional degrees, educates 6,400 students, and plays a key role in educating Minnesota's health care workforce, with two-thirds of the state's health professionals educated in the AHC.The health of Minnesota families and the economic vitality of the state depend on access to well-trained health providers, innovative health discoveries, quality health care and accessible public health programs.

Today, as Minnesotans live longer and demand for care of an aging population increases and disparities persist in access and in the state's healthcare workforce, health care requires an interdisciplinary approach to care delivery along a full continuum of primary to specialized care. This change in health care delivery calls for a full integration of health education/training, research, and clinical care. In order to meet future workforce needs, inter-professional and team-based practices should be more integrated into the undergraduate, graduate and post graduate curricula.

Today's Medical School accreditation at the national level demands the school addresses the new model of care. The educational shift is reflected in a new curriculum, including an early introduction to the care of patients in the first and second year, as well as exposure to the health care "systems" of a clinic. Meeting these education and training obligations is increasingly difficult in aging and obsolete facilities built for a different era of health education. In order to assure that students and residents are prepared to meet Minnesota's future physician workforce needs investments must be made to strengthen and expand the Medical Center's educational programs and curriculum through the use of interprofessional team-based learning and care environments. Better and more integrated health professional education will lead to improved healthcare for all Minnesotans.

The poor condition of the University's educational facilities are undercutting the competitiveness of University programs. Almost all of the educational and training facilities for the

dollars in thousands

AHC Phase I: Health Sciences Education Facility

Medical School and other health professional schools are over 40 years old and are in need of major renovation and renewal or, simply, replacement. Accreditation bodies are citing deficient facilities in their reviews, student applicants are citing the poor educational facilities for their decision to enroll at other institutions, and student dissatisfaction with the educational facilities is high. Minnesota's situation is made worse by the fact that peer institutions have been making major investments in new and remodeled facilities.

Previous Appropriations for this Project

The University received $10 million in the 2015 session to plan two new facilities - an integrated health sciences education facility and a clinical research facility - and to predesign and start design on the integrated health sciences education facility.

Current Project Status

Predesign In Progress

Plant Growth Research Facility

At a Glance

Campus:	U of M - Twin Cities Campus	2016 Total Funds:	$6,600
Priority:	4	State Request Funds:	$4,400
Total Project Cost:	$6,600	University Funds:	$2,200

Project Summary: This request for funds to design, construct, furnish and equip an addition to the plant growth facilities on the St. Paul campus and to demolish the existing Biological Sciences greenhouse.

Project Description

This project will provide a new approximately 12,000 square foot greenhouse addition to the Plant Growth Facilities for the Biological Sciences Conservatory to replace and demolish the existing Biological Sciences Greenhouse on the St. Paul campus. While the existing Plant Growth Facilities are set up for agricultural experimentation, the CBS Conservatory greenhouse will be a specialized unit that serves the related educational missions necessary to ensure the State's agricultural future.

The total cost for this project is estimated to be $6,600,000. The new greenhouse will be located in the planned expansion area of the Plant Growth Facilities, as identified in the Predesign Study for Plant Growth Facilities Renovation, Replacement and Additions (1997). The new greenhouse will be built similar to the neighboring structures, but will include aspects specific to the plant collection requirements. The greenhouse for the Biological Sciences Conservatory will be furnished with modern temperature, humidity and lighting controls and monitored via the master greenhouse campus control system. Upon completion, plant specimens and program activities currently housed in the existing Biological Sciences Greenhouse will be moved to the new facility and the old greenhouse will be demolished.

Project Rationale

The College of Biological Sciences (CBS) offers an exceptional, nationally recognized educational experience. Replacement of the existing Biological Sciences Greenhouse is essential to meet increased demand for enrollment and to secure a strong return on investment in the rapidly growing life sciences. Today, 33 Faculty, 40 teaching assistants and four support staff teaching 13 courses, depend on the collections and services of the Biological Sciences Greenhouse. The annual enrollment for those courses is more than 1,600 students. The building has a strong outreach function as well, with regular visits from school groups, horticulture clubs, K-12 educators and the broader community.

The University of Minnesota's undergraduate biology program has garnered national attention due to its signature programs (e.g., Nature of Life), its leading edge curriculum, and its pioneering application and use of the active learning classroom. STEM education requires a living plant collection where extremes of diversity and adaptation are displayed and studied across a broad range of environments. A new and expanded conservatory will remove current constraints to increasing enrollment and enable students to conduct independently designed research. Student interest in the biological sciences is booming across the country. Currently, there are eighteen students who apply for every single seat in the CBS freshman class. Total student enrollment in CBS is anticipated to increase by up to 40% by the fall of 2018.

The Biological Sciences Conservatory is home to a biodiverse collection of plant species to assist current and future research, help preserve the Earth's plant diversity, as well as building an appreciation for the richness of plant life on our planet in both students and the public. Conservatory staff service the needs of classes, researchers, and the surrounding community through making both our plants and expertise available. The collection is one of the most diverse in the upper Midwestern United States, containing over 1,200 species of plants. The Conservatory cares for everything from rare and endangered plants, to invasive species, to plants that show developing economic potential, to clones of original genome

dollars in thousands

Plant Growth Research Facility

sequenced accessions. The material from this diverse living collection is leveraged for the maximum benefit for our students, scientists, and the public at large.

Through hands-on exposure to living plants within the Biological Sciences Conservatory, students in CBS, CFANS, and other colleges learn how opportunities for discovery and problem solving are rooted in the diversity of life. This education prepares university students to become the next generation of problem solvers in agriculture and food safety, environmental protection and restoration, as well as the production of natural and synthetic products for medical and non-medical uses.

The existing greenhouse is a fragile structure, costly to operate and rife with problems that are expensive to fix. Environmental, structural and functional deficiencies have resulted in escalating maintenance and repair costs, and serious safety issues. Failure of seals around large glass panes allows glass to shift and fall. High humidity levels, resulting in extensive cracking and spalling of the exterior concrete masonry unit kneewalls, and the freeze and thaw cycles have heightened the rate of deterioration of the greenhouse. This facility has the smallest footprint of any like buildings on the St. Paul campus but has the highest energy use and the second highest C02 emissions. Gaps in the structure's foundation further compromise the plant collections and student projects as a result of insect migration.

Diverse and dynamic greenhouse displays are a highly effective means of communicating the university mission to the broader public. The Biological Sciences Conservatory will demonstrate with living examples how fundamental discoveries are translated into economic and environmental solutions for Minnesota. A new facility will breathe new life into a diverse encyclopedia of rare and spectacular plants by replacing an isolated greenhouse already deteriorated beyond repair with one that is energy efficient and integrated with existing facilities for teaching and research.

Previous Appropriations for this Project

None

Current Project Status

Predesign

UNIVERSITY OF MINNESOTA

2016 State Capital Request - Project Summaries

Academic and Student Experience Investments

At a Glance

Campus:	Systemwide	2016 Total Funds:	$24,000
Priority:	5	State Request Funds:	$16,000
Total Project Cost:	$24,000	University Funds:	$8,000

Project Summary: This request is for funds to predesign, design, renovate, furnish and equip existing teaching, student support and research facilities on the Duluth, Morris, Crookston and Twin Cities campus.

Project Description

This request is for funds to make targeted strategic investments in modernizing existing teaching, research, outreach and student support spaces on the University's Duluth, Morris, Crookston and Twin Cities campuses. Similar to appropriations for laboratory renovations in 2008 and 2010, this request is intended to update individual spaces that will not otherwise be improved through whole building renovations. Funds will be allocated to each campus to advance high priority projects focused on learning spaces, student support services and research laboratories.

Sample projects to be funded by the academic facility investment pool include:
- Renovation of obsolete biological sciences library space into modern laboratories
- Creation of new active learning classrooms, traditional clasrooms, and small group study spaces
- Conversion of an old teaching kitchen at UMC into modern teaching and research space

Project Rationale

Learning spaces are at the heart of the University's teaching mission. To meet the needs of faculty and the expectations of students, the University must provide modern, technology-rich classrooms in order to optimize teaching and learning. Improved, up-to-date classrooms, instructional laboratories, and collaboration spaces are essential to attract the best and brightest students and remain competitive with other regional universities. The overall student experience at the University of Minnesota will be improved by enhancing the physical environment and adding modern classroom learning technologies.

Active Learning Classrooms (ALCs), a component of the programmatic request, are designed to foster interactive, flexible, student-centered learning experiences, and to operate using central teaching stations and student-provided laptops. ALCs offer cooperative learning environments that encourage student collaboration and peer teaching, the ability for instructors to interactively coach students during activities and new options for student interaction and class structure.

Modern research facilities are essential to the University's nationally-ranked basic and applied research programs. Research funding and national competitiveness depend upon an institution's researchers, and state-of-the-art laboratories are the foundation of the solid research program at the University of Minnesota. Updated facilities are critical to attract and retain top faculty and students and to obtain competitively awarded sponsored research grants. Without state-of-the-art laboratories in which to conduct their research, faculty will choose other institutions with better facilities.

Previous Appropriations for this Project

Academic and Student Experience Investments

None

Current Project Status

Varies by Project

Pillsbury Hall Renovation

At a Glance

Campus:	U of M - Twin Cities Campus	2016 Total Funds:	$33,000
Priority:	6	State Request Funds:	$22,000
Total Project Cost:	$33,000	University Funds:	$11,000

Project Summary: This request is for funds to predesign, design, renovate, furnish and equip historic Pillsbury Hall on the Minneapolis campus.

Project Description

This project will completely renovate Pillsbury Hall, replacing obsolete science facilities with modern, flexible non-laboratory teaching, learning, and research spaces for College of Liberal Arts' humanities programs including the Department of English (which teaches nearly 6,000 students per year). The renovated space is anticipated to be divided approximately equally between classroom- and assembly-type space to support multiple modes of learning and alternative workplace office space. At nearly 60,000 gross square feet, the renovation is expected to maintain an equivalent amount of space when complete. The rehabilitation of Pillsbury Hall is expected to be consistent with the Secretary of the Interior's Standards for Preservation.

Project Rationale

Pillsbury Hall is the second oldest and one of the most iconic building on campus and is a key component of a sequenced plan: (1) relocating the Department of Physics from Tate Laboratory to its new building, (2) relocating the Department of Earth Sciences (formerly Geology and Geophysics) from Pillsbury Hall to a renovated Tate Laboratory, (3) relocating the Department of English from Lind Hall to a renovated Pillsbury Hall, and (4) freeing up Lind Hall for other use.

While Pillsbury Hall is no longer adaptable to modern science research or teaching, it plays a significant role in the East Bank humanities district, which encompasses Folwell, Jones, Nicholson, Nolte, Pillsbury and Scott halls. Recent and planned investments in these buildings all built between 1889 and 1935 on the historic knoll – locate the humanities in proximity, thus creating synergies and collaborations among them, while preserving the University's historic assets for future generations. The renovated Pillsbury Hall is planned to house the Department of English (as the major tenant) and the College of Liberal Arts Minnesota Engagement Lab, focused on research teaching and public service.

English teaches nearly 6,000 students per year, generating about 20,000 student credit hours of non-English major instruction each year and teaching the core skills of liberal education – close reading, textual analysis, and scholarly and creative writing to
the entire undergraduate student body. In 2014, English had 627 undergraduate majors, 36 MFA students in the Creative Writing Program, and 77 MA/PhD students in the Literature Program. It is the most popular humanities major on campus with high national rankings.

The new Pillsbury Hall will also be home to the Minnesota Engagement Lab (MEL). MEL is planned to be an innovative and technologically equipped humanities engagement lab where scholars, students, and community members will address challenges facing Minnesota citizens through focused projects, such as rural and urban access to food resources, histories of Minnesota immigrant institutions and neighborhoods, and literature and literacy services to communities. The high-tech interactive spaces will advance the University's and CLA's goals of integrating research, teaching, and public service about the human condition, producing future leaders who will use the knowledge, skills, and collaboration they learned here to build vibrant communities.

dollars in thousands

Pillsbury Hall Renovation

The other feature of Pillsbury Hall will be spaces for production and presentation activities. Production spaces will be equipped with technologies that enable journal editing, video making, digital storytelling, website building, and web-based research. Flexible presentation spaces will host a wide variety of events convened annually by English and other humanities departments.

Previous Appropriations for this Project

None

Current Project Status

Predesign In Progress

2015 Six-Year Capital Improvement Plan

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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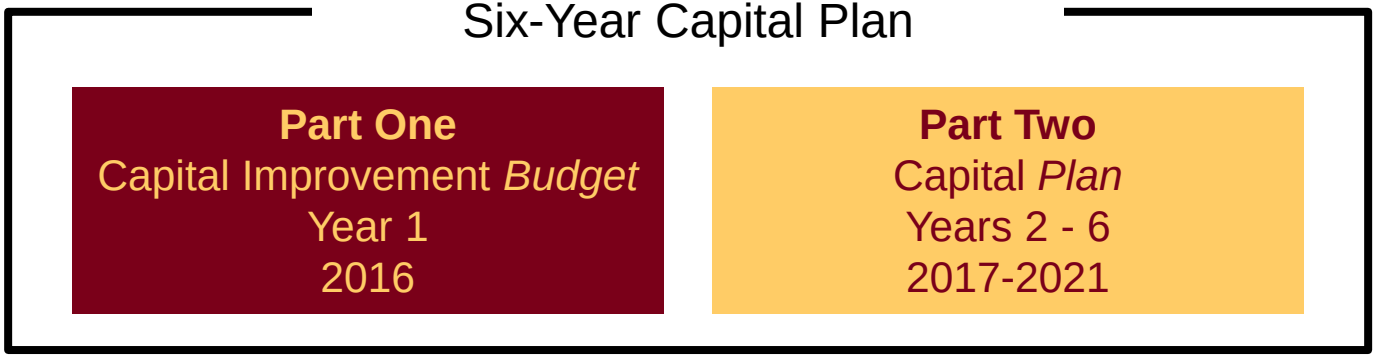
What is the Six-Year Capital Plan?

- Board of Regents Policy directs the administration to develop a capital budget with a “six-year time horizon, updated annually”



Six Year Plan Objectives

- Advance strategic plan priorities
- Enhance the campus-based experience
- Align projects with available revenue sources
- Increase utilization and functionality of physical assets
- Complete capital investment sequences
- Reduce total campus square footage

Strategic Emphasis

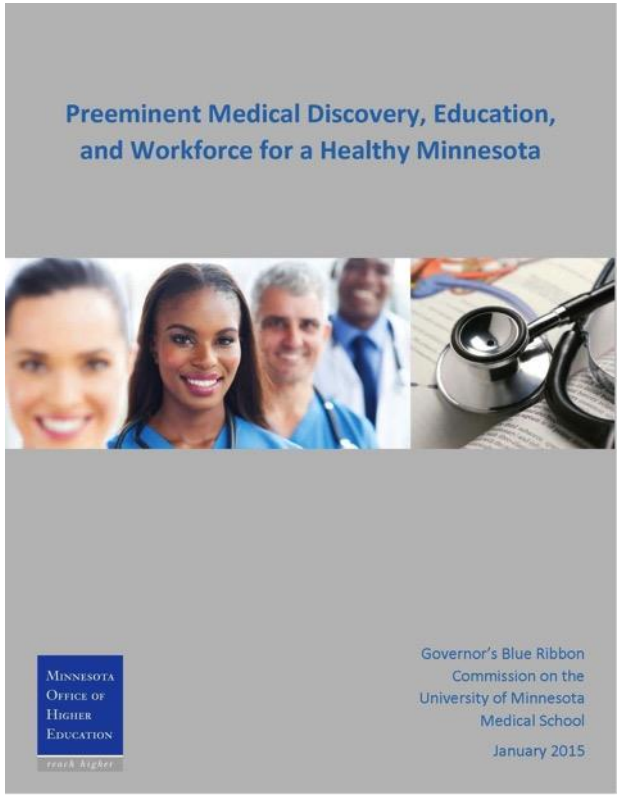
- Renovate or Remove FCA Critical buildings
- Advance the Health Sciences
- Modernize Saint Paul campus research laboratories
- Expand capacity in STEM programs

Plan Elements

- Renovate / Remove FCA Critical Buildings
  - HEAPR
  - Plant Growth/Greenhouse
  - Pillsbury Hall
  - Child Development
  - 10 Church (current Bell Museum)
  - Critical Facilities renewal placeholders

Plan Elements

- Advance the Health Sciences
  - Phase I: Health Science Education
  - Phase II: Clinical Science
  - Phase III: Mayo

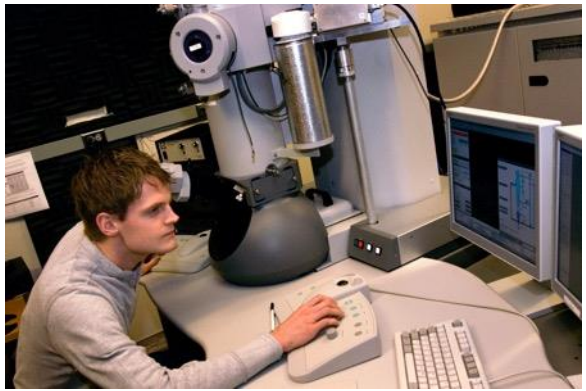


Plan Elements

- Modernize Saint Paul Campus Research Laboratories
  - Academic and Student Experience Investments
  - Saint Paul Interdisciplinary Laboratory
    - Flexible labs designed to support interdisciplinary research for three colleges
  - Critical Building Renovation

Plan Elements

- Expand Capacity in STEM programs
  - Duluth: Chemistry and Advanced Materials Science Building (CAMS)
  - Academic and Student Experience Investments (system)
  - Undergraduate Teaching Laboratory Facility
  - Chemistry Research Laboratory Investment



Anticipated Demolitions Resulting from Complete Capital Sequences

- Biological Sciences Greenhouse
- VFW Building
- Masonic Hospital
- Mayo Memorial Building
- Institute of Child Development
- Agronomy Seed House / Farm Crops Field House
- Seed Storage North and South

if sequences are completed,

more than 1 million square feet could be demolished

Other Projects Under Consideration

- The projects on this list:
  - are insufficiently developed in terms of their programmatic needs at this time
  - are key investments based on collegiate and academic priorities
  - may need further definition and/ or development before they advance
- This list of investments should be considered as upcoming capital projects

Timeline

- September
  - Board of Regents review of the 2016 State capital request
- August - October
  - State capital bonding tours
- October
  - Board of Regents approval of the 2016 State capital request
- January
  - Governor’s capital investments recommendation
- March
  - Legislature reconvenes
- May - June
  - Board of Regents action on FY2017 capital budget

2016 State Capital Request

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

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Financial Summary

Location	Project	Request (dollars in millions) Total	State	U of MN
SYSTEM	HEAPR	$100.0	$100.0	$0.0
UMD	Chemistry and Advanced Materials Science	$40.8	$27.2	$13.6
UMTC	AHC Phase I: Health Science Education Facility	$100.0	$66.7	$33.3
UMTC	Plant Growth Research Facility	$6.6	$4.4	$2.2
SYSTEM	Academic and Student Experience Investments	$24.0	$16.0	$8.0
UMTC	Pillsbury Hall Renovation	$33.0	$22.0	$11.0
	Total:	**$304.4**	**$236.3**	**$68.1**

Higher Education Asset Preservation and Replacement (HEAPR)

Systemwide

$100,000,000 project funds

$100,000,000 state share

Project Description

- *HEAPR funds maximize and extend the life of the University's existing inventory of buildings and facilities, sustaining prior U of M and State building investments.*
- *Individual projects fall into one of four categories: health and safety, utility infrastructure, building systems, energy efficiency.*

Project Rationale

- The University's mission will be compromised without continued, sustained investment in buildings and infrastructure.
- Strategic investments targeted to mission critical buildings will improve energy efficiency and reduce long term operating cost.
- This project was identified in each year of the Six Year Plan.

Chemistry and Advanced Materials Science Building

Duluth campus

$40,750,000 project funds

$27,167,000 state share

Project Description

- *This request is for funds to construct, furnish and equip a new science and engineering laboratory building on the Duluth campus.*
- *This project will construct approx. 51,000 sf of research labs, instructional labs, teaching space, offices, and meeting space for the Swenson College of Science and Engineering.*

Project Rationale

- Current facilities are not appropriate for renovation of instrument-rich, intensive use research activity. However, some of the current spaces can be renovated for less intensive uses.
- A new building located close to Chemistry and other Life Sciences based activity will advance leading research and interdisciplinary teaching.
- This project was included in the 2014 state capital request and received an appropriation of $1,500,000 for predesign and design.

AHC Phase I: Health Science Education Facility

Twin Cities campus

$100,000,000 project funds

$66,667,000 state share

Project Description

- *This request is to complete design, renovate, construct, furnish, and equip education facilities to meet the needs of the Medical School and AHC.*
- *This project will modernize and expand the University's medical and health science learning facilities including classrooms, simulation centers, collaboration space, and an advanced biomedical library.*

Project Rationale

- Aging facilities undercut the competitiveness of academic programs.
- Changes in health care delivery call for a full integration of health education, research, and clinical care.
- The health of Minnesota families and the economic vitality of the state depends on access to well-trained health providers and innovative health discoveries.

Plant Growth Research Facility

Twin Cities campus

$6,600,000 project funds

$4,400,000 state share

Project Description

- *This request for funds to design, construct, furnish, and equip an addition to the plant growth facilities on the Saint Paul campus and to demolish the existing Biological Sciences greenhouse.*
- *This project will provide a new 12,000 square foot greenhouse addition to the Plant Growth Facilities for the Biological Sciences Conservatory*

Project Rationale

- Leadership in teaching and research must be strengthened by replacing obsolete facilities.
- STEM education requires a living plant collection where extremes of diversity and adaptation may be studied.
- The Biological Sciences Conservatory houses one of the most diverse plant collections in the upper Midwest, with over 1,200 species of plants.
- This project was included in the 2014 and 2015 state capital requests.

Academic and Student Experience Investments

Systemwide

$24,000,000 project funds

$16,000,000 state share

Project Description

- *This request is for funds to make targeted strategic investments in teaching, research and student experience spaces on the Crookston, Duluth, Morris, and Twin Cities campuses.*
- *Project funds will be allocated as follows:*
  - *$4 million to Crookston*
  - *$4 million to Duluth*
  - *$4 million to Morris*
  - *$12 million to Twin Cities*

Project Rationale

- The University must provide modern, technology-rich classrooms in order to optimize teaching and learning and to attract the best and brightest students.
- Updated facilities are critical to attract and retain top faculty and students and to obtain competitively awarded research grants.

Pillsbury Hall Renovation

Twin Cities campus

$33,000,000 project cost

$22,000,000 state share

Project Description

- *This request is for funds to predesign, design, renovate, furnish, and equip historic Pillsbury Hall on the Minneapolis campus.*
- *This project will renovate nearly 60,000 gross square feet for classrooms, assembly space, and alternative workplace office space.*

Project Rationale

- Pillsbury Hall is once of the oldest and most iconic buildings on campus and is listed on the National Register of Historic Places.
- The building is no longer suited to modern science and engineering research and teaching.
- Renovation for English, teaching, and other functions will strengthen adjacencies among humanities programs engaged in preparing students for 21st century careers.
- This project was included in the Six Year Plan in 2016.

Resolution

- **WHEREAS**, the Board of Regents has directed the administration to annually submit a capital improvement budget and a six-year capital improvement plan in support of the University's strategic priorities; and

- **WHEREAS**, the Board of Regents recognizes the importance of sustaining and improving the University's facilities in support of teaching, research, and outreach; and

- **WHEREAS**, the administration has developed a capital planning framework designed to focus its capital planning efforts toward projects that support the University's institutional priorities within a financial strategy that is realistic;

- **NOW, THEREFORE, BE IT RESOLVED**, that the Board of Regents approves the University's 2016 State Capital Request to the Minnesota Legislature in the amount of $304,350,000 consisting of $236,234,000 from the State of Minnesota and $68,116,000 from the University of Minnesota.

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BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Ensuring a Safe University: Public Safety Update

☐ **Review** ☐ **Review + Action** ☐ **Action** ☒ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTERS: Matt Clark, Chief of Police, University of Minnesota Police Department

PURPOSE & KEY POINTS

The Board of Regents states its expectations related to public safety in Board of Regents Policy: *Health and Safety*, including the expectation that safety is a shared responsibility among all members of the University community

Ensuring a Safe University is one of University Services' three strategic goals. With over 80,000 students, faculty, staff, patients, and visitors on the Twin Cities campus on any given day, the safety and security of the University community is of significant importance to the Board and the administration.

On the Twin Cities campus, the Police Chief is the primary responsible official charged with advancing public safety. Matt Clark assumed this position in July, and will update the committee on his initial impressions, planned initiatives, and vision for enhancing public safety across the University as well as current and historical data on crime statistics and the Clery Act, as requested by the committee. The presentation will provide an overview of how the Department of Public Safety is organized, equipped, and resourced. A current organizational chart for the department is included in the docket.

BACKGROUND INFORMATION

Crime Statistics and Clery Act Compliance

The University of Minnesota Police Department (UMPD) has long tracked crime statistics, both on the Twin Cities campus and in surrounding neighborhoods. Increases in certain types of crime in the near-campus neighborhoods in the fall of 2013 and winter of 2014 received significant media attention; since then, crime has returned to historically average levels. One area that continues to be a challenge is theft. It is important to clarify the difference between robbery, which involves the use of force or the threat of force, and theft, the simple taking of property, which usually occurs in highly populated parts of campus.

The Jeanne Clery Act is a federal regulation that directs higher education institutions to acquire and publicly report crime statistics on and around campus. This includes issuing timely warnings when crimes represent an ongoing threat to safety, and emergency notifications of imminent threats. The University is required to maintain and publish campus safety and security policies, including emergency, missing student, and fire safety policies, as well as maintain crime and fire logs and publish and distribute an Annual Security Report (ASR) containing policies and crime statistics.

The University publishes its ASR every September, and alerts the campus community to its availability via email. There is an expectation that future publications from the Department of Education will highlight best practices for the nation's universities. With the start of the new school year, an updated format for timely warnings has been rolled out, including clarification for situations that require a timely warning versus those additional situations that occur near campus but outside the geographic boundaries specified by the Clery Act, which the University chooses to share in the interest of informing the University community.

The Violence Against Women Act (VAWA) amendments to the Clery Act expand the rights afforded to campus survivors of sexual assault, domestic violence, dating violence, and stalking. In The UMPD, the Aurora Center, the Office of Equal Opportunity, and the Office of the General Counsel have worked together to ensure that the University is prepared for these changes and that the institution remains in compliance with federal regulations.

Major Events

The University hosts numerous special events every year. The second season with 10 Vikings games on campus – each of which brings 50,000+ people to campus – is underway. Two weekends feature back-to-back Gopher/Vikings games on Saturday and Sunday, which place a stress on police staffing. Special event work is staffed through a combination of voluntary overtime, involuntary overtime, and hiring off-duty officers from other police departments.

Preparations for these events involve many hours and can include coordination with Minneapolis Police, the FBI, or outside entities hosting the event or demonstration. For example, a large rally/protest in November 2014 in opposition to a visiting NFL football team required staffing from across the University and special instructions to part-time officers working the game. Such free expression and civil discourse is a cornerstone of the University, and the UMPD is committed to supporting it by ensuring all parties remain safe and respectful.

Initiatives

Since 2013, over $4 million has been reallocated for investment in campus security through the building access program, lighting upgrades, camera expansion, educational campaigns, and expansion of the student monitor program. An assessment of building interconnectedness is underway, with the goal of increasing security between facilities. Upgrading the University's older cameras to higher resolution ones featuring full pan, tilt, and zoom is also a priority.

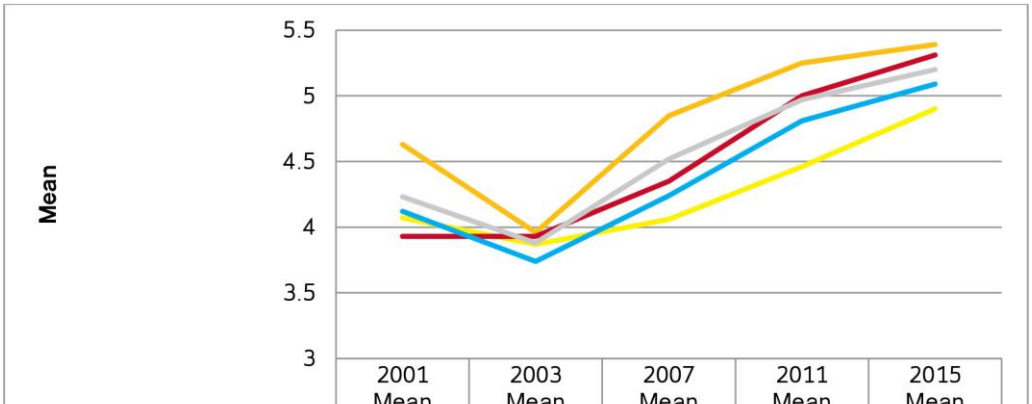
In addition to investments in the campus, the Department of Public Safety continues to invest in professional development of officers and staff. Ongoing training is provided in the areas of active shooter response, implicit bias, and large event management. The UMPD receives consistently high marks from the campus community, and officers are working hard to increase visibility on campus to maintain a positive relationship with students, faculty, staff, and visitors.

Periodic surveys of the campus community conducted by the University's Office of Measurement Services from 2001-2015, included on the following pages, show satisfaction with UMPD is high.

Security Monitors and Escort Service (624-WALK)

	2007 Mean	2011 Mean	2015 Mean
DDD	4.78	4.41	4.9
Off Campus Students	4.53	4.82	5.2
On Campus Students	4.73	4.94	5.19
Staff	5.05	5	5.14
Overall	4.75	4.83	5.1

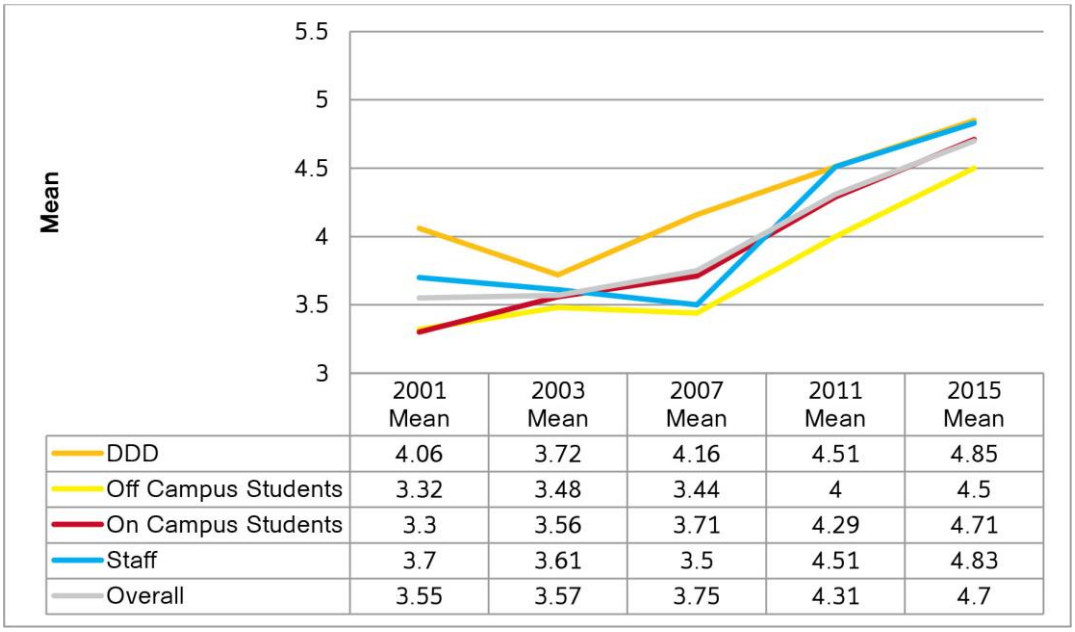
Special Events Management



	2001 Mean	2003 Mean	2007 Mean	2011 Mean	2015 Mean
DDD	4.63	3.96	4.85	5.25	5.39
Off Campus Students	4.07	3.87	4.06	4.46	4.9
On Campus Students	3.93	3.93	4.35	5	5.31
Staff	4.12	3.74	4.24	4.81	5.09
Overall	4.23	3.88	4.52	4.97	5.2

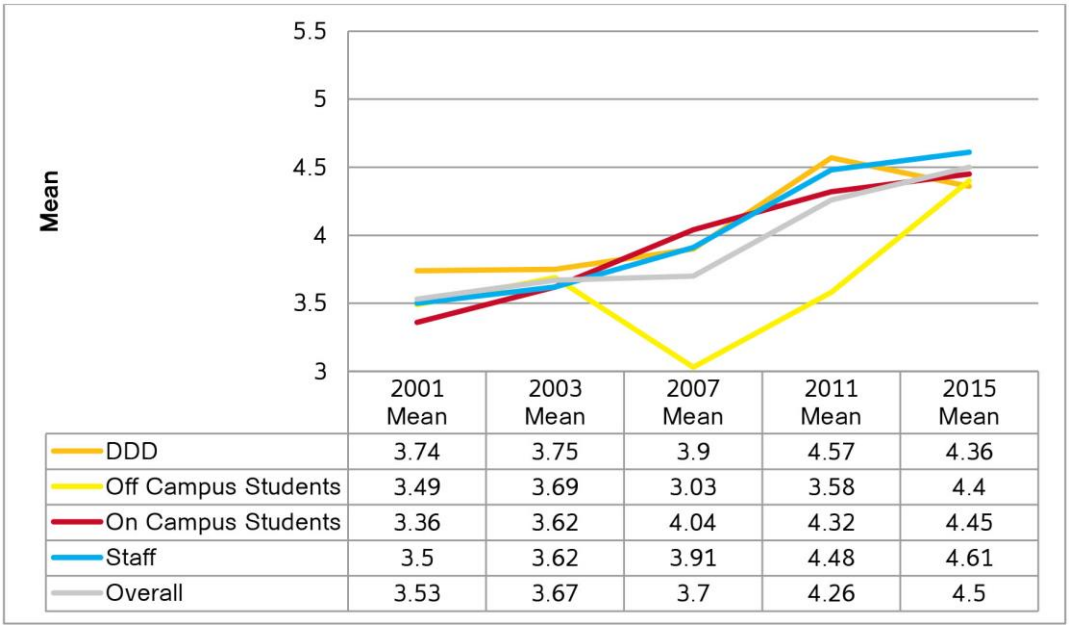
Scale: 1=Very Poor … 6=Excellent
DDD: Deans, Directors, Department Heads (university administrators)
Staff: Faculty and Staff

Quality interactions with students



	2001 Mean	2003 Mean	2007 Mean	2011 Mean	2015 Mean
DDD	4.06	3.72	4.16	4.51	4.85
Off Campus Students	3.32	3.48	3.44	4	4.5
On Campus Students	3.3	3.56	3.71	4.29	4.71
Staff	3.7	3.61	3.5	4.51	4.83
Overall	3.55	3.57	3.75	4.31	4.7

Quality of interactions with persons from diverse ethnic and cultural backgrounds



	2001 Mean	2003 Mean	2007 Mean	2011 Mean	2015 Mean
DDD	3.74	3.75	3.9	4.57	4.36
Off Campus Students	3.49	3.69	3.03	3.58	4.4
On Campus Students	3.36	3.62	4.04	4.32	4.45
Staff	3.5	3.62	3.91	4.48	4.61
Overall	3.53	3.67	3.7	4.26	4.5

Scale: 1=Very Poor … 6=Excellent
DDD: Deans, Directors, Department Heads (university administrators)
Staff: Faculty and Staff

UNIVERSITY OF MINNESOTA DEPARTMENT OF PUBLIC SAFETY

University Services
Pam Wheelock
Vice President

Matthew A. Clark
Chief of Police

Laura Payne
Executive Office and
Administrative Specialist

Dawn McVay
Finance Supervisor III

Lynn Gerhard
Executive Accounts Specialist

Charles W. Miner
Deputy Chief

Media Relations

David Christopher
USIS Engineer

Jeff Lessard
PSECC Manager

Sara Boucher-Jackson
PSECC Supervisor

Stephanie Taylor
PSECC Supervisor

9 Operators – 5 FT Dispatchers
3 - 75% Dispatchers &
3 Supplemental

David Wilske
Lieutenant
Operations

Justin Yarrington
Security Monitor
Program Manager

Peter Kastler
Assistant Manager

Stephanie Malone
Assistant Manager

Patrol

Day Shift
2 Sergeants & 9 Officers

Middle Shift
2 Sergeants & 8 Officers

Night Shift
2 Sergeants & 8 Officers

Parking Enforcement

K-9

Motor Unit

Range Officers

Bike Patrol

Troy Buhta
Lieutenant
Investigations and Outreach

Peter Reineke
CID Sergeant

CID Investigators
5 Officers

Crime Prevention

Internal Affairs

Background
Investigations

Executive
Protection

Threat Assessment

Jim Nystrom
CRT Sergeant

CRT Officers
3 Officers

Erik Swanson
Lieutenant
Support Services

Erik Stenemann
Administrative Sergeant

Property Room

Fleet Management

Hiring Coordinator

Grants

Katie Kitzerow
Administrative Sergeant

Shannon McGoffin
Training

Special Event Overtime

Policies and Procedures

Kathy Knopick
Records Division

Marianne Scheel
Principal Office and
Administrative
Specialist

Ensuring a Safe University: Public Safety Update

Board of Regents Facilities, Planning, and Operation Committee
October 8, 2015

UNIVERSITY OF MINNESOTA
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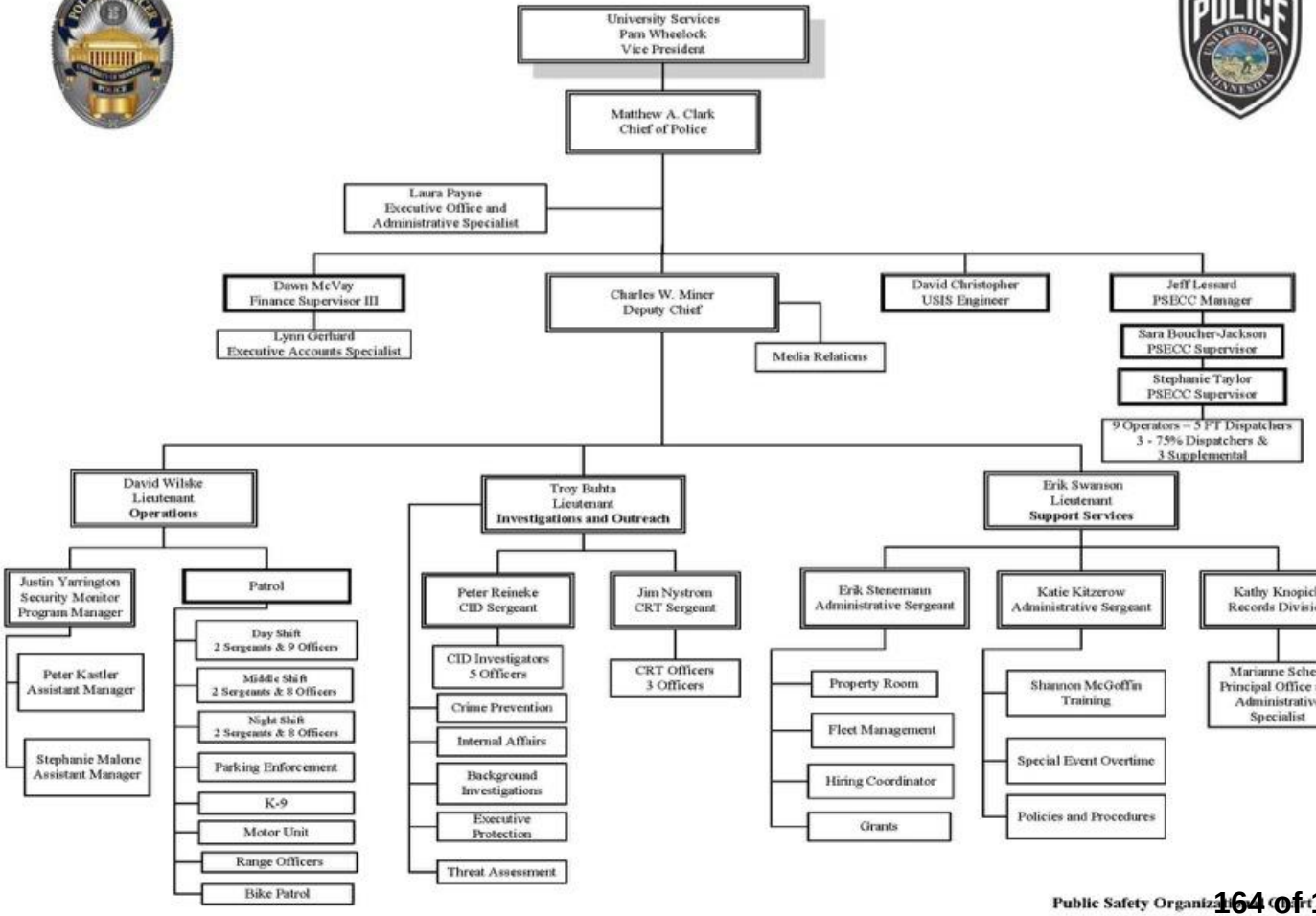
Overview

- Introduction and Background
- Public Safety Overview
- Initial Observations and Initiatives
- Trends and Statistics
- Jeanne Clery Act

Chief Matt Clark

PUBLIC SAFETY OVERVIEW



Public Safety Organizational Chart August 2015

UMPD Overview

- 51 Sworn
  - 35 assigned to patrol
  - 24/7 911 and patrol coverage, 3 officers minimum
  - Shifts: 7am - 4pm, 4pm - 2am, 9:30pm - 7:30am
- 7 - Investigations
- 4 - Community (undercover)
- 3 - Events and Training
- 2 - Administration

PSECC Overview

- Public Safety Emergency Communication Center
- System-wide 911 dispatch, alarm coverage, camera monitoring
- 1 Director and 3 Supervisors
- 8 Camera Operators
- 11 Dispatchers
- 3 Card Access Specialists

Security Monitor Program

- 150 Security Monitors
- Escorts, foot beats, and security desks
- 624-WALK
- 1 Director
- 2 Supervisors

INITIAL OBSERVATIONS AND INITIATIVES

Engagement

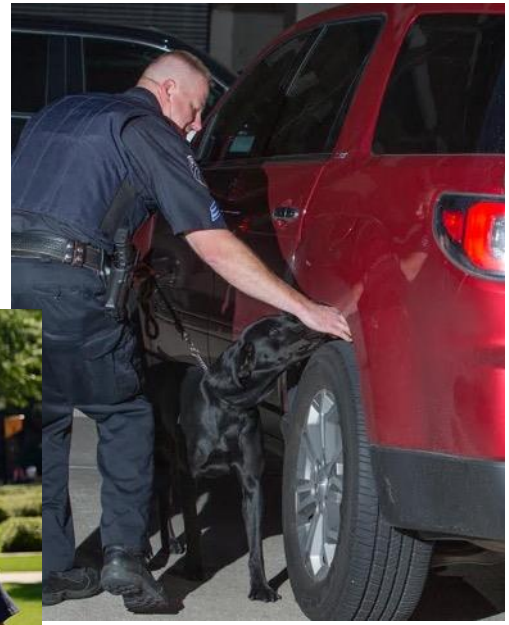
- Beat officers
- Student association Presidents
- Social media
- Training and operations with public safety partners
  - Team building and appreciation events TBAD
  - Implicit bias training with Metro Transit Police
  - Greenway crime reduction strategy
  - Alcohol awareness program w/ MN DPS

Safety Strategies

- Training
  - Implicit bias, active threat, crisis intervention, crowds/events
- Sexual assault
- Alcohol abuse
- Culture of safety
  - 624-WALK
  - Building Checks

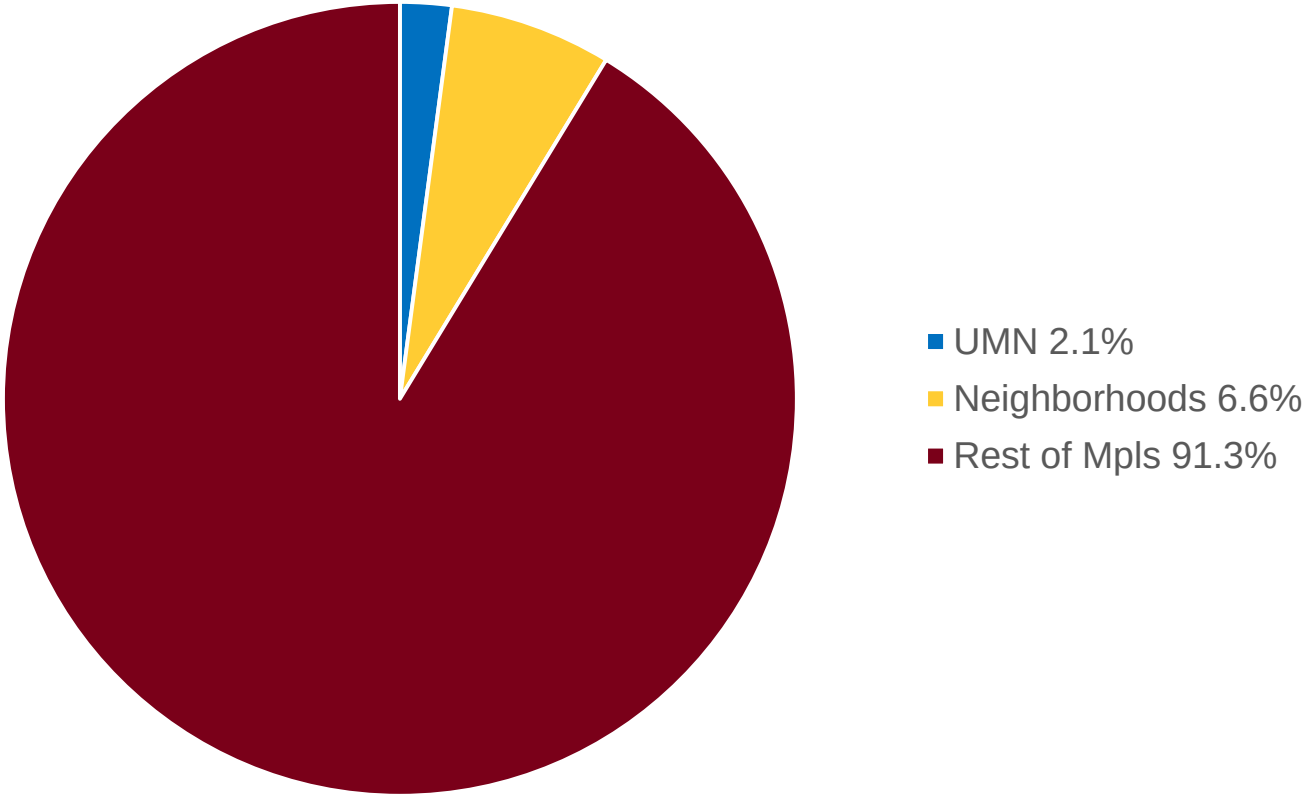
Incidents and Events

- High profile: CMU, CSC4, Bikes
- Gophers/Vikings Football
- Homecoming
- Protests



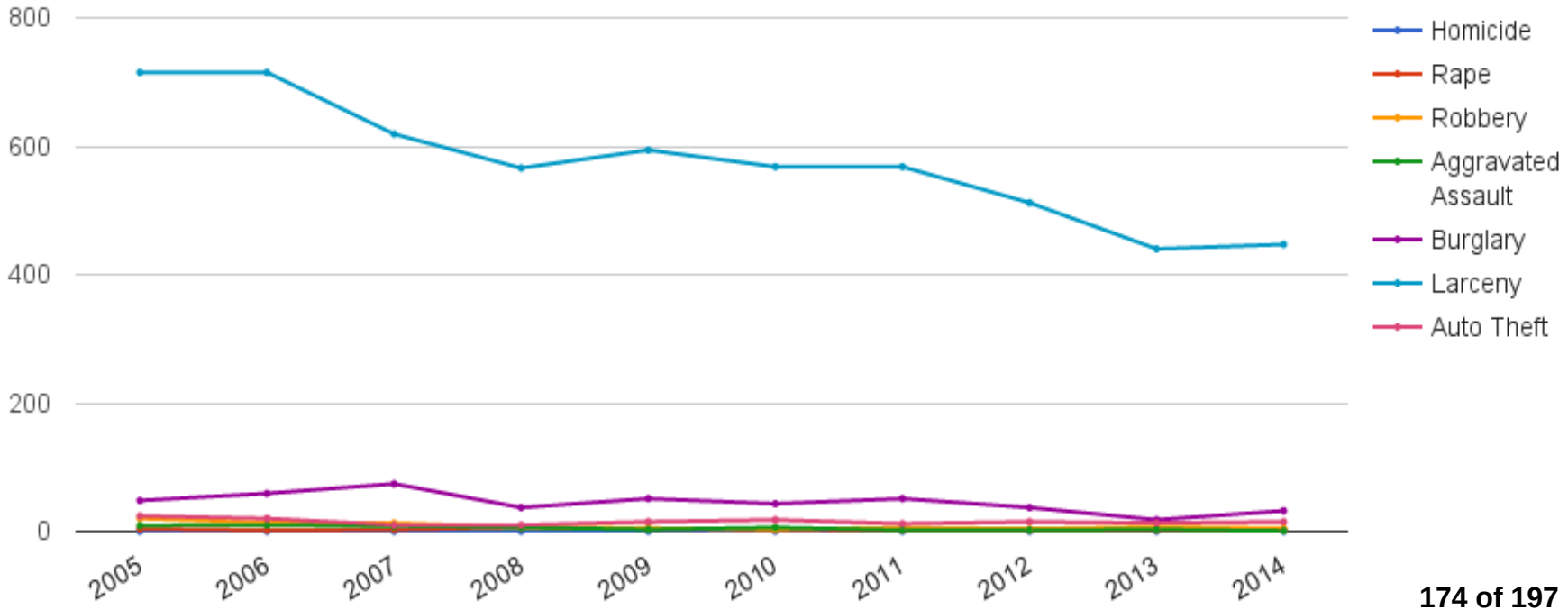
TRENDS AND STATISTICS

Part One Crime: Minneapolis

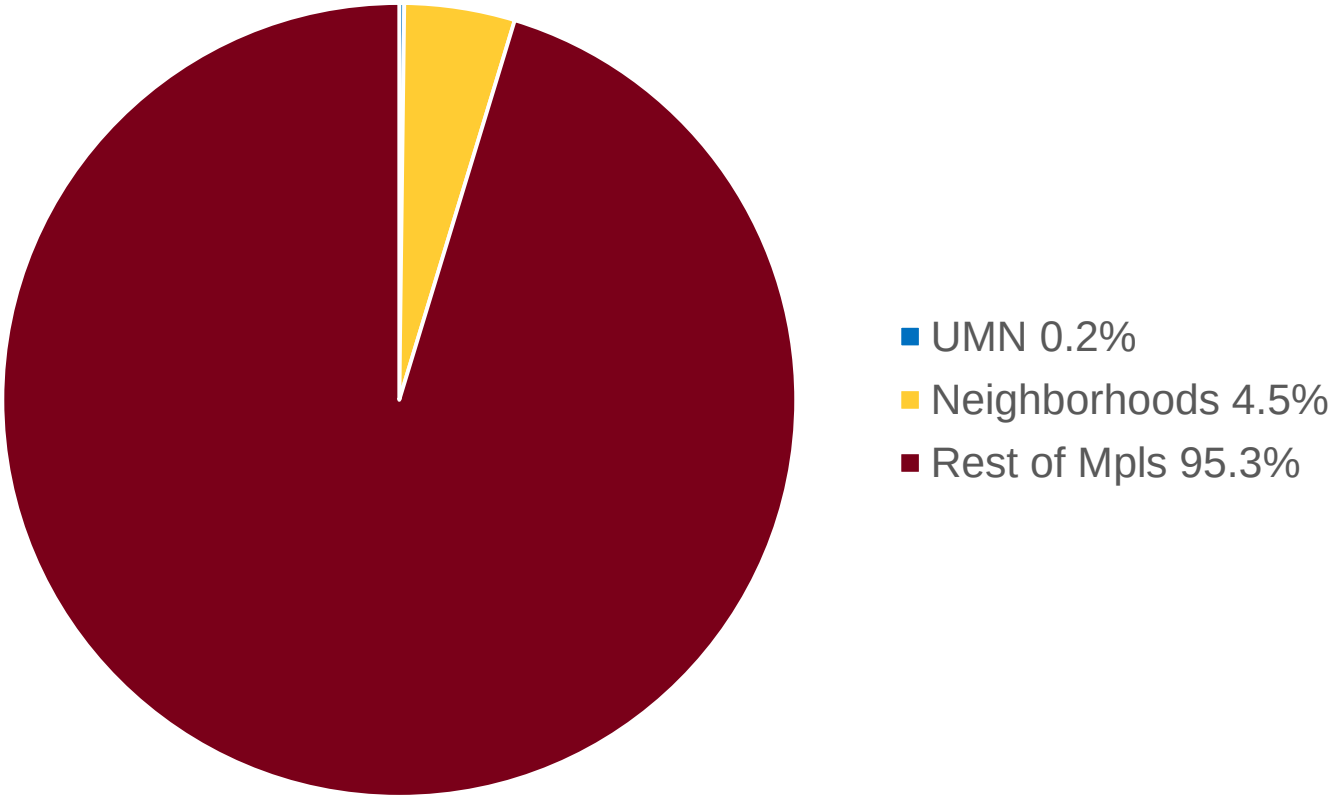


173 of 197

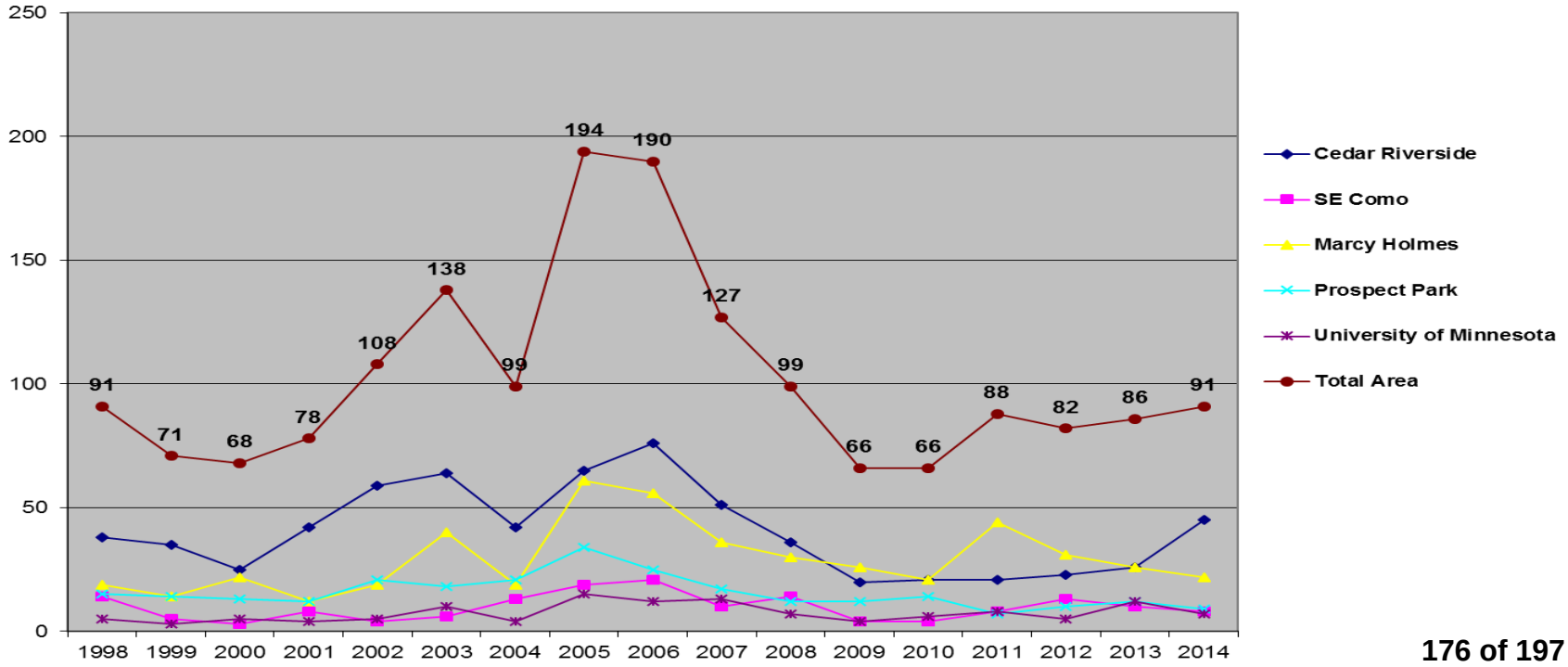
Part One Crime: U of M



Violent Crime: Minneapolis



Robbery: Campus and Neighborhoods



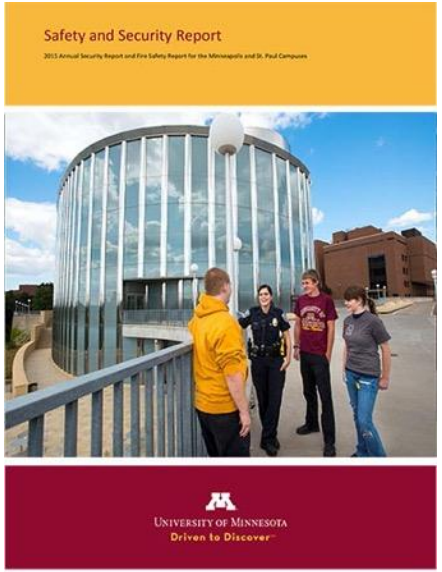
THE JEANNE CLERY ACT

What is the Jeanne Clery Act?

- Jeanne Clery was a victim of homicide while attending Lehigh University in 1986
- Congress acted in response, establishing requirements and penalties
- Requires that colleges and universities across the US disclose information about crime on and around their campuses

Clery Act Requirements

- Acquire and publicly report crime statistics on and around campus
- Issue timely warnings when crimes represent an ongoing threat to safety and emergency notifications of imminent threats
- Maintain and publish campus safety and security policies, including emergency, missing student, and fire safety policies
- Maintain crime and fire logs
- Publish and distribute an Annual Security Report containing policies and crime statistics



Crime Alerts: 2006-2015

-- Previous Format -- *---------- New Format ----------*

Year	Crime Alerts	On/Off Campus	Timely Warning Required	Outside Clery Geography
2006	13	not tracked		
2007	12	not tracked		
2008	13	not tracked		
2009	14	not tracked		
2010	17	4 / 13	4	13
2011	13	5 / 8	5	8
2012	10	3 / 7	3	7
2013	23	4 / 19	4	19
2014	19	1 / 18	1	18
2015 YTD 09/25	18	3 / 15	3	15

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BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Long-Range Facility Planning Part 2:
Assumptions and Criteria to Guide Future Six-Year Capital Planning

☐ **Review**	☐ **Review + Action**	☐ **Action**	☒ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTERS: Regent David McMillan
Pamela Wheelock, Vice President, University Services

PURPOSE & KEY POINTS

Planning for the University's campuses and facilities is a priority for the Board of Regents, with the Board providing strategic guidance to the administration in this area. The presentation will provide a brief recap of the process, criteria, and priorities that are part of the 2015 six-year capital plan included in the docket at this meeting Board approval. The majority of this item will engage committee members in a conversation about the criteria, priorities, and principles that should be used to guide the administration's development of future six-year capital improvement plans.

Questions for consideration include, but are not limited to:

- What are the key assumptions that the administration should use to implement Board guidance around capital planning?
- What goals or initiatives in the Twin Cities Campus Strategic Plan and associated academic plans need greater emphasis in the six-year capital plan?
- What criteria should be used to prioritize and allocate resources?
- What principles should be a part of the institution's HEAPR philosophy?
- To what degree should the six-year plan reflect projects that are broader than those requesting state bond proceeds?
- What drivers should influence the University's long-term financial plan to support capital needs?
- What limiting factors (e.g. fundraising capacity, debt capacity, total cost of ownership, total cost of attendance) should be considered?
- What priority should the University and the University of Minnesota Foundation place on capital projects in fundraising efforts?

BACKGROUND

This is the second in a series of discussions around strategy and vision for the future of the Twin Cities built campus. The following committee discussions are components of the larger scope:

- February 2015: Long-Range Campus Planning Part II: University Housing
- May 2015: Planning for University Facilities Across the Lifecycle
- September 2015: Long-Range Facility Planning Part I: Current Practice and Principles
- October 2015: Long-Range Facility Planning Part II: Assumptions and Criteria to Guide Future Six-Year Capital Planning
- December 2015: Long-Range Campus Planning Part I: Academic Health Center Strategic Facilities Plan

These will support the Board of Regents work session scheduled for February 2016, *A Vision to Guide Long-Term Development and Change in Key Areas of the Twin Cities Campus*, which is intended to provide the administration with strategic guidance on campus development and facility prioritization.

Long Range Facility Planning part II:

Assumptions and Criteria to Guide Future Six-Year Capital Planning

Board of Regents Facilities, Planning, and Operations Committee
October 8, 2015

UNIVERSITY OF MINNESOTA
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Current Six-Year Planning Process

2015 Six-Year Plan Objectives

- Advance strategic plan priorities
- Enhance the campus-based experience
- Align projects with available revenue sources
- Increase utilization and functionality of physical assets
- Complete capital investment sequences
- Reduce total campus square footage

2015 Six-year Plan Strategic Emphases

- Renovate or Remove FCA Critical buildings
- Advance the Health Sciences
- Modernize Saint Paul campus research laboratories
- Expand capacity in STEM programs

Current HEAPR Project Selection Factors

- Projects selected from the list of HEAPR-eligible FCA identified needs
- The Plan for Every Building identifies high deficiency, high priority buildings
- Staff on each campus review/recommend projects
- Consideration is given to efficiencies gained from timing of other planned investments
- All projects are reviewed for statutory eligibility

Questions for Discussion

- What are the key assumptions that the administration should use to implement Board guidance around capital planning?
- What goals or initiatives in the Twin Cities Campus Strategic Plan and associated academic plans need greater emphasis in the six-year capital plan?
- What criteria should be used to prioritize and allocate resources?
- What principles should be a part of the institution's HEAPR philosophy?
- To what degree should the six-year plan reflect projects that are broader than those requesting state bond proceeds?
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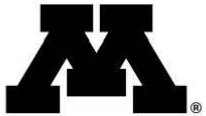
- What limiting factors (e.g. fundraising capacity, debt capacity, total cost of ownership, total cost of attendance) should be considered?
- What priority should the University and the University of Minnesota Foundation place on capital projects in fundraising efforts?



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BOARD OF REGENTS
DOCKET ITEM SUMMARY

Facilities, Planning & Operations **October 8, 2015**

AGENDA ITEM: Information Items

☐ **Review** ☐ **Review + Action** ☐ **Action** ☒ **Discussion**

☐ *This is a report required by Board policy.*

PRESENTER: Pamela Wheelock, Vice President, University Services

PURPOSE & KEY POINTS

In accordance with the Board of Regents Policy: *Reservation and Delegation of Authority,* present Final Review prior to the award of a construction project for the following projects:

- Athletes Village, Twin Cities Campus
- Bee Discovery and Pollinator Center, Landscape Arboretum
- Bee Research Laboratory, Twin Cities Campus
- Mechanical Engineering – Lab Renovations, Twin Cities Campus

Information items are intended to provide the Board with information needed to perform their oversight responsibilities. The Project Data Sheets included in the docket address the basis for request, project scope, funding, and schedule.

BACKGROUND INFORMATION

Athletes Village, Twin Cities Campus

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice, Indoor Football Practice Facility, and a Football Performance Center. The Center for Excellence and the Basketball Practice Facility are combined into one building with two distinct identities.

Bee Discovery and Pollinator Center, Landscape Arboretum

The Bee Discovery and Pollinator Center includes new construction of 6,700 square feet with specialty spaces for central exhibits, teaching/gathering, honey extraction, and greeter stations. The associated 4,500 square feet of outside spaces will provide for Apiary live demonstration and pollinator garden and outdoors exhibitions. The project will also extend utilities from Highway 11.

Bee Research Laboratory, Twin Cities Campus

The new 10,500 gross square feet Bee Research Laboratory facility will include laboratory space to support field research and biological science research, beekeeping and experimental equipment, and commercial-grade honey extraction. It is anticipated that a remaining balance in excess of $450,000 from the Aquatic Invasive Species (AIS) Research Laboratory project that will be substantially complete in December 2015 and is available to transfer to the Bee Research Lab, consistent with the original legislative intent of the appropriation, to fully meet the program as presented to the Regents in May 2015.

Mechanical Engineering – Lab Renovations, Twin Cities Campus

The Lab Renovation project will renovate approximately 30,000 square feet of space and increase the North Wing's total programmed space for research. The renovation will focus on the 3rd and 4th Floors and upgrade space into flexible research and teaching labs.

University of Minnesota
Final Review of Capital Projects over $5 Million

Athletes Village, 01-000-15-1129

Policy Summary:

According to Board of Regents Policy *Reservation and Delegation of Authority,* Article I, Section VIII, Subdivision 9, "The Board reserves to itself the authority for a subsequent review of approved capital budget projects with a value greater than $5,000,000 prior to the award of construction contracts."

Project Summary:

The project will construct a new 320,000 square foot Athletes Village adjacent to the Bierman and Gibson-Nagurski buildings, as well as a temporary replacement for throws, on the Minneapolis Campus. The Athletes Village is comprised of three new buildings: Center for Excellence / Basketball Practice, Indoor Football Practice Facility, and a Football Performance Center. The Center for Excellence and the Basketball Practice Facility are combined into one building with two distinct identities. The Center for Excellence will focus on academics, leadership development, and nutrition and serves as a hub and flagship facility for the entire Athletics Department. The Basketball Practice Facility will provide separate facilities for both Men's and Women's basketball to train and practice. The Indoor Football Practice Facility will allow the University's football program to match and exceed the facilities at other Big Ten schools. The Football Performance Center will provide better support facilities for the football program.

Board of Regents Approval Summary:

Capital Budget:	February 2015 and October 2015
Schematic Plans:	October 2015

Project Team:

Architect/Engineer Team:	BWBR Architects
Construction Manager:	Mortenson Construction

Project Budget:

Fundraising	$76,530,000
Long Term Debt *	89,470,000
Total Capital Funding	$166,000,000

* Figure excludes an anticipated need to provide $31.1M in short term financing to bridge timing differences due to pledged funds.

Project Schedule:

Begin Construction:	November 2015
Substantial Completion:	January 2018

Consistency of project with approved scope, schedule and budget:

_X_ Yes ___ No

University of Minnesota
Final Review of Capital Projects over $5 Million

Arboretum Bee Discovery and Pollinator Center, Project Number 22-888-13-1595

Policy Summary:

According to Board of Regents Policy *Reservation and Delegation of Authority,* Article I, Section VIII, Subdivision 9, "The Board reserves to itself the authority for a subsequent review of approved capital budget projects with a value greater than $5,000,000 prior to the award of construction contracts."

Project Summary:

The project is located on the east side of the Landscape Arboretum at the Red Barn Farm Garden site. Access to this site is from the recently completed Eastern Drive and 82nd Street. The Bee Discovery and Pollinator Center totals approximately 6,700 square feet of new construction and includes specialty spaces for central exhibits, teaching/gathering, honey extraction, and greeter stations. The associated 4,500 square feet of outside spaces will provide for apiary live demonstrations and pollinator garden and outdoors exhibitions. The project will also extend utilities from Highway 11.

Board of Regents Approval Summary:

Capital Budget:	December 2014
Schematic Plans:	June 2015

Project Team:

Architect:	Meyer Scherer & Rockcastle
Construction Manager at Risk:	Loeffler Construction & Consulting

Project Budget:

MN Landscape Arboretum Foundation	$5,767,000
Legislative Citizen Commission on Minnesota Resources	615,000
Total Capital Funding	$6,382,000

Project Schedule:

Begin Construction:	October 2015
Substantial Completion:	May 2016

Consistency of project with approved scope, schedule and budget:

_X_ Yes ___ No

University of Minnesota
Final Review of Capital Projects over $5 Million

Bee Research Laboratory, 02-347-14-1925

Policy Summary:

According to Board of Regents Policy *Reservation and Delegation of Authority,* Article I, Section VIII, Subdivision 9, "The Board reserves to itself the authority for a subsequent review of approved capital budget projects with a value greater than $5,000,000 prior to the award of construction contracts."

Project Summary:

In 2014 the University received $8.7 million, of the requested $12 million, for the Research Laboratory Improvement fund from the State of Minnesota. The State allocated the $8.7 million to be used to fund two College of Food, Agricultural, and Natural Resource Sciences (CFANS) projects: Aquatic Invasive Species (AIS) Research Laboratory and the new Bee Research Laboratory. The University originally allocated $4.7 million of the funds (to be matched with $2.3 million of University funds) to the AIS project and $4 million (to be matched with $2 million of University funds) to the Bee Research project. The state appropriation allows for money to be moved between the two projects outlined in the appropriation and to convert any funds available at the completion of both projects to Higher Education Asset Preservation and Replacement (HEAPR) funding. The Regents similarly approved the combined funding for the two pool projects in the 2015 Annual Capital Budget.

The AIS project will be substantially complete in December 2015. It is anticipated that there will be a remaining balance in excess of $450,000 that is available to transfer to the Bee Research Lab, consistent with the original legislative intent of the appropriation, to fully meet the program as presented to the Regents in May 2015. The project budget outlined below has been updated to reflect a $450,000 transfer from the AIS project to the Bee Research Laboratory.

The new Bee Research Laboratory facility is located on the east side of Gortner Avenue and just south of Larpenteur Avenue on the St. Paul Campus. The project includes 10,500 gross square feet with laboratory space to support field research (practical lab) and biological science research (technical lab), beekeeping and experimental equipment, maintenance and storage, and commercial-grade honey extraction. Offices will support primary investigators, associate researchers, outreach staff, and support staff. Exterior space includes beekeeping apiary, demonstration pollinator gardens, and a 740 square feet cold storage building.

Board of Regents Approval Summary:

Capital Budget:	June 2014
Schematic Plans:	May 2015

Project Team:

Architect:	Alliiance Architects
Construction Manager:	Kraus-Anderson Construction

Project Budget:

2014 State Appropriation	$4,300,000
University Debt	2,118,000
Department Funds	32,000
Total Capital Funding	$6,450,000

Project Schedule:

Begin Construction:	October 2015
Substantial Completion:	September 2016

Consistency of project with approved scope, schedule and budget:

_X_ Yes ___No

University of Minnesota
Final Review of Capital Projects over $5 Million

Mechanical Engineering – Lab Renovations, Project Number 01-265-14-1463

Policy Summary:

According to Board of Regents Policy *Reservation and Delegation of Authority,* Article I, Section VIII, Subdivision 9, "The Board reserves to itself the authority for a subsequent review of approved capital budget projects with a value greater than $5,000,000 prior to the award of construction contracts."

Project Summary:

The Lab Renovation project will renovate approximately 30,000 square feet of space and increase the North Wing's total programmed space for research. The gain in efficiency is based on the reconfiguration of outdated labs and secondary corridors. The renovation will focus on the 3rd and 4th Floors and upgrade space into flexible research and teaching labs.

Board of Regents Approval Summary:

Capital Budget:	June 2015
Schematic Plans:	June 2015

Project Team:

Architect:	Alliiance
Construction Manager:	Mortenson

Project Budget:

College of Science and Engineering	$3,500,000
Department of Mechanical Engineering	$1,545,000
Total Capital Funding	$5,045,000

Project Schedule:

Begin Construction:	January 2016
Substantial Completion:	August 2016

Consistency of project with approved scope, schedule and budget:

__X__ Yes ___No