



Facilities & Operations Committee

May 2014

May 8, 2014

9:45 a.m. - 11:45 a.m.

West Committee Room, McNamara Alumni Center

FAC - MAY 2014

1. Capital Budget Amendment: Williams Arena Roof, Twin Cities Campus - Review/Action

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Budget Amendment Materials - Page 4

Presentation Materials - Page 7

2. Schematic Design: Williams Arena Roof, Twin Cities Campus - Review/Action

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Schematic Design Materials - Page 16

3. Project Components of the President's FY2015 Capital Improvement Budget - Review

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Resolution - Page 21

Capital Budget Details - Page 22

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4. Providing a Memorable Student Experience

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5. Transportation Planning and Operations on the Twin Cities Campus

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6. Information Item

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BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Capital Budget Amendment: Williams Arena Roof Replacement, Twin Cities Campus

Review

Review + Action

Action

Discussion

This is a report required by Board policy.

Presenters: Vice President Pamela Wheelock
Assistant Vice President Suzanne Smith

Purpose & Key Points

In accordance with Board of Regents Policy: *Reservation and Delegation of Authority*, review and approve the FY 2014 Capital Budget Amendment for the following project:

- *Williams Arena Roof Replacement – Twin Cities Campus*

Background Information

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the vault. The roofing system's life span was anticipated to be 60 years and has been in place for 66 years. Over the past several years the roof has needed annual patching to keep moisture from entering the arena. Based on additional investigation and analysis, the roof system is failing and further patching would be insufficient to keep moisture out of the arena. A new roof is required. A capital budget amendment is needed at this time in order for work to be completed prior to the start of the next basketball season.

President's Recommendation

The President recommends approval of the following Capital Budget Amendment:

Williams Arena Roof Replacement

Amend the Fiscal Year 2014 Annual Capital Improvement Budget by \$7,553,000 to fund the design and construction of Williams Arena Roof Replacement.

**Williams Arena Roof Replacement
Twin Cities Campus
Project No. 01-050-13-1756**

1. Basis for Request:

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the barrel vault. The useful life of the aluminum system was anticipated to have a 60 year life span. The roofing system has been in place for 66 years and is now failing. Over the past several years the roof has needed annual patching to keep moisture from entering the arena. Based on additional investigation and analysis, further patching would be insufficient to keep moisture out of the arena and a new roof is required. A capital budget amendment is needed at this time in order for work to be completed prior to the start of the next basketball season.

2. Scope of Project:

The project will provide a new aluminum roof system, approximately 119,000 sf, with a 60 year of life span.

3. Master Plan or Precinct/District Plan:

The project is in compliance with the Twin Cities Master Plan dated March 2009 and is consistent with the East Gateway District Plan (2010).

4. Environmental Issues:

There are no known environmental issues associated with the roof replacement.

5. Cost Estimate:

Construction Cost	\$6,998,300
Non-Construction Cost	\$ 554,700
<hr/>	
Total Project Cost	\$7,553,000

6. Capital Funding:

Intercollegiate Athletics	\$3,776,500
Repair and Replacement / University Debt	\$3,776,500
<hr/>	
Total Project Funds	\$7,553,000

7. Capital Budget Approvals:

This project was not included in the FY14 Capital Improvement Budget as it was not yet determined that patching the existing roof would be insufficient to keep moisture out of the Arena. Therefore, a Capital Budget Amendment is requested.

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

It is anticipated there will be no significant change in operating costs for the building.

9. Time Schedule:

Design completion
Construction completion


June 2014
September 2014

10. Project Team:


Design/Build Architect: Miller Dunwiddie – Minneapolis, MN
Design/Build Contractor: M.A. Mortenson – Minneapolis, MN

11. Recommendation:

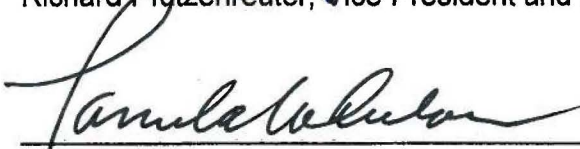
The above described project scope of work, cost, funding, and schedule is appropriate:



Norwood Teague, Athletic Director



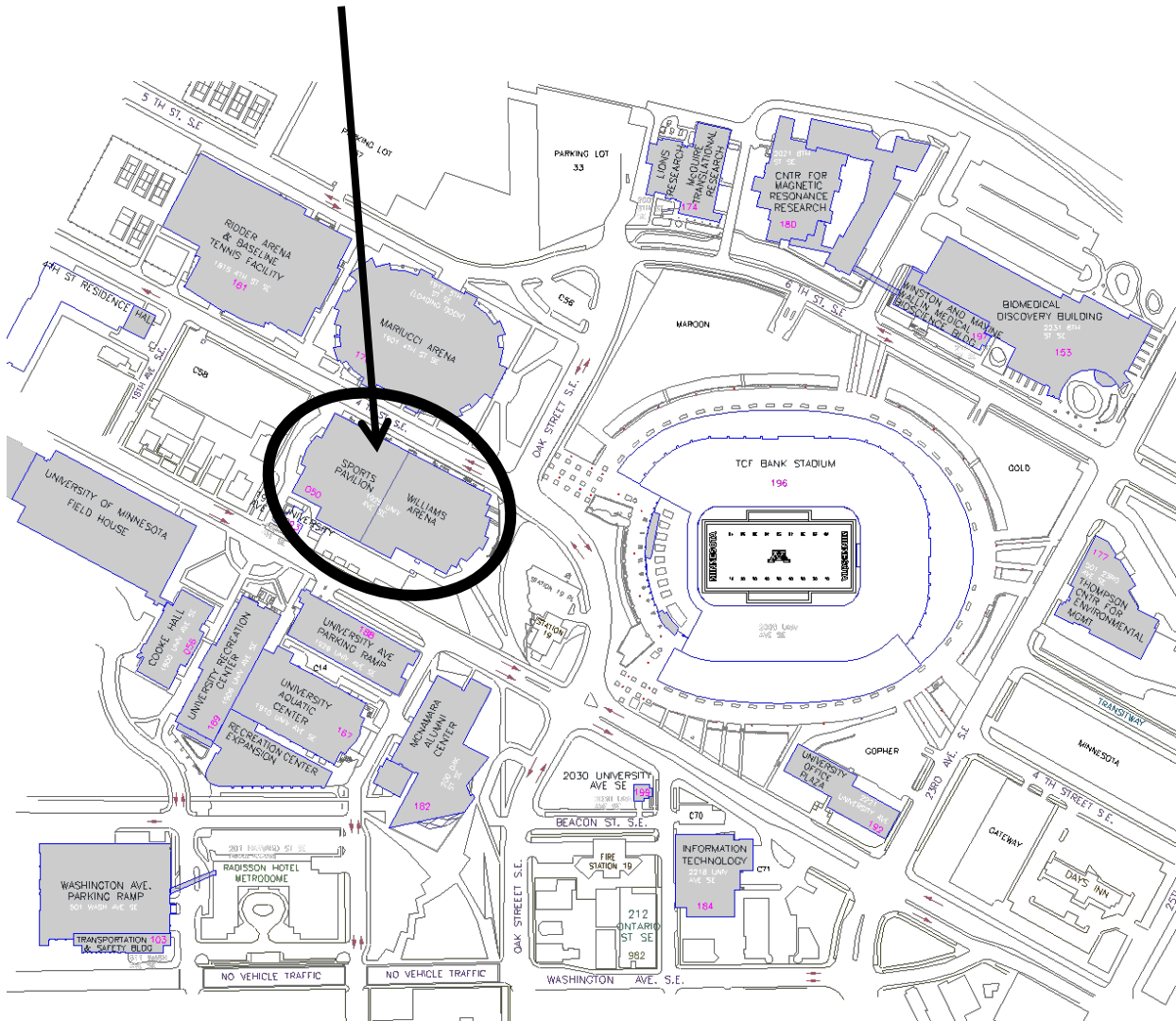
Richard Putzenreuter, Vice President and Chief Financial Officer



Pamela Wheelock, Vice President - University Services

Site Location Map

WILLIAMS ARENA / SPORTS PAVILLION LOCATION



Williams Arena Roof Replacement

Twin Cities Campus

Board of Regents Facilities and Operations Committee

May 8, 2014

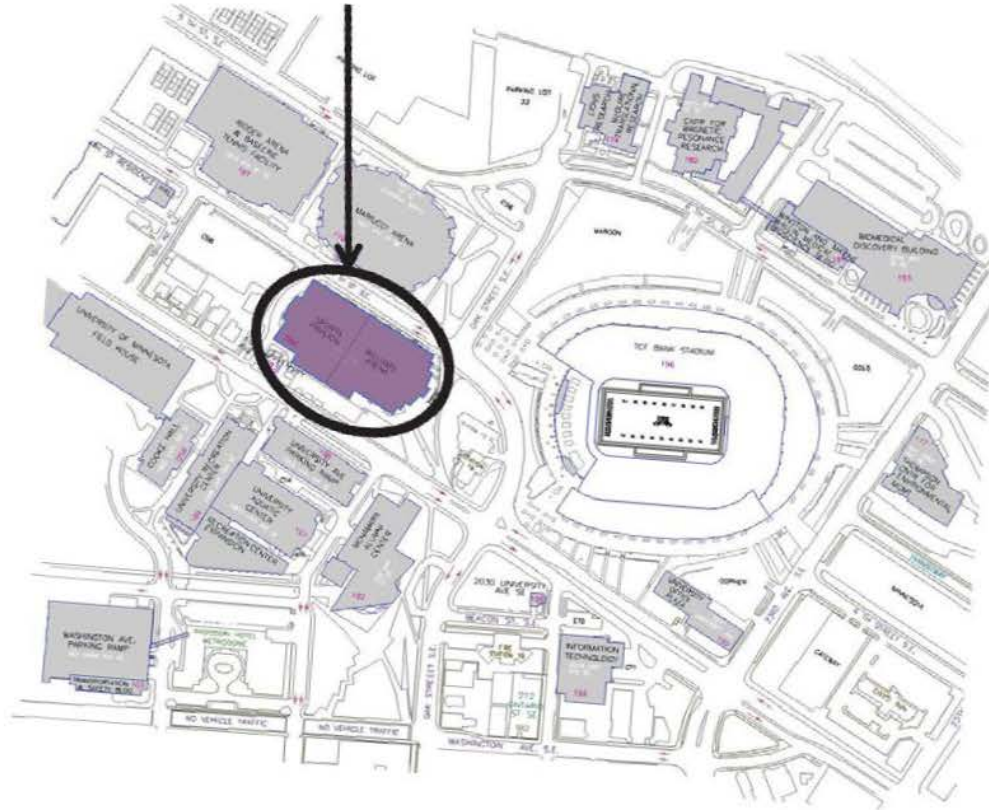


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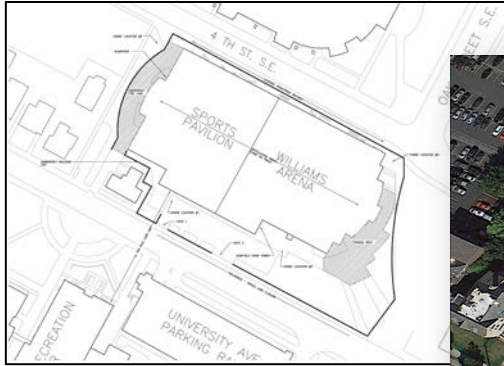


Location Map





Site Plan





Project Rationale

- Current roof is 66 years old
- Annual patching is no longer effective
- Further investigation confirmed patching is an insufficient remedy





Project Description

- Replace the 119,000 sf barrel vault roofing system with a new aluminum roof system
- 30 year warranty
- Anticipated 60 year life span





Project Description

- **Cost Estimate**

– Construction	\$ 6,998,300
– Non-construction	<u>554,700</u>
Total Project Cost	\$ 7,553,000

- **Capital Funding**

– Intercollegiate Athletics	\$ 3,776,500
– Repair & Replacement / University Debt	<u>3,776,500</u>
Total Approved Project Budget	\$ 7,553,000



Project Description

- Anticipated Completion
 - September 2014
- Estimated Annual Operating Costs
 - No change
- Project Delivery Method
 - Design-Build
 - Design-Build Architect:
 - Design-Build Contractor:



Miller Dunwiddie Architecture
Mortenson Construction



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BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Schematic Design: Williams Arena Roof Replacement, Twin Cities Campus

Review

Review + Action

Action

Discussion

This is a report required by Board policy.

Presenters: Vice President Pamela Wheelock
Assistant Vice President Suzanne Smith

Purpose & Key Points

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

- *Williams Arena Roof Replacement – Twin Cities Campus*

Background Information

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the vault. The roofing system's life span was anticipated to be 60 years and has been in place for 66 years. Over the past several years the roof has needed annual patching to keep moisture from entering the arena. Based on additional investigation and analysis, the roof system is failing and further patching would be insufficient to keep moisture out of the arena. A new roof is required.

President's Recommendation

The President recommends approval of schematic design plans for the project listed below and of the appropriate administrative officers proceeding with the completion of the design and construction for this project:

- *Williams Arena Roof Replacement – Twin Cities Campus*

**Williams Arena Roof Replacement
Twin Cities Campus
Project No. 01-050-13-1756**

1. Basis for Request:

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the barrel vault. The useful life of the aluminum system was anticipated to have a 60 year life span. The roofing system has been in place for 66 years and is now failing. Over the past several years the roof has needed annual patching to keep moisture from entering the arena. Based on additional investigation and analysis, further patching would be insufficient to keep moisture out of the arena and a new roof is required.

2. Scope of Project:

The project will provide a new aluminum roof system, approximately 119,000 sf, with a 60 year of life span.

3. Master Plan or Precinct/District Plan:

The project is in compliance with the Twin Cities Master Plan dated March 2009 and is consistent with the East Gateway District Plan (2010).

4. Environmental Issues:

There are no known environmental issues associated with the roof replacement.

5. Cost Estimate:

Construction Cost	\$6,998,300
<u>Non-Construction Cost</u>	<u>\$ 554,700</u>
Total Project Cost	\$7,553,000

6. Capital Funding:

Intercollegiate Athletics	\$3,776,500
<u>Repair and Replacement / University Debt</u>	<u>\$3,776,500</u>
Total Project Funds	\$7,553,000

7. Capital Budget Approvals:

Approval of the FY14 Capital Budget Amendment for this project has been requested at the May 2014 Regents meeting.

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

It is anticipated there will be no significant change in operating costs for the building.

9. Time Schedule:

Design completion
Construction completion

June 2014
September 2014

10. Project Team:

Design/Build Architect: Miller Dunwiddie – Minneapolis, MN
Design/Build Contractor: M.A. Mortenson – Minneapolis, MN

11. Recommendation:

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



Norwood Teague, Athletic Director



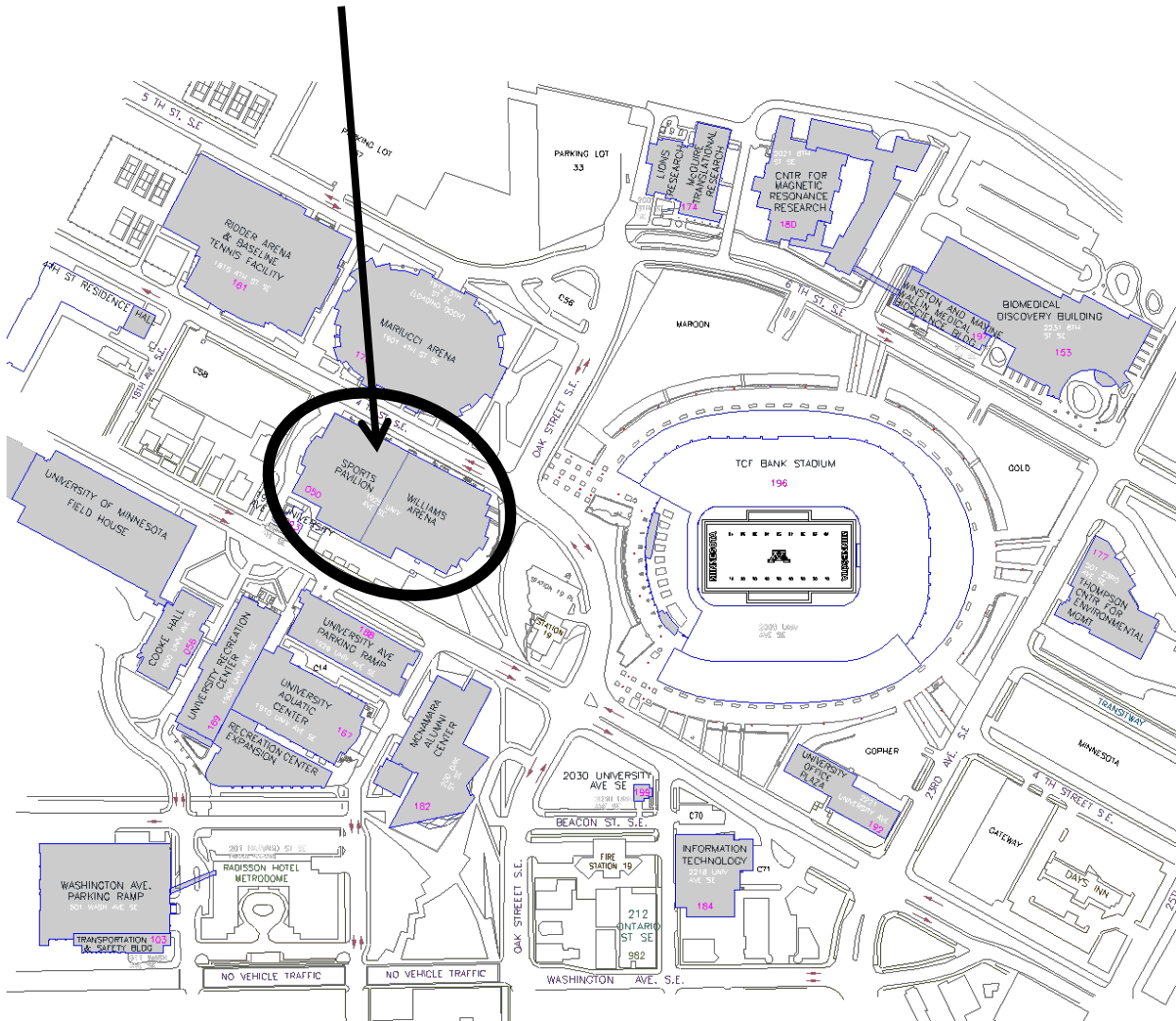
Richard Pfutzenreuter, Vice President and Chief Financial Officer



Pamela Wheelock, Vice President - University Services

Site Location Map

WILLIAMS ARENA / SPORTS PAVILLION LOCATION





BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Project Components of the President's Recommended FY 2015 Annual Capital Improvement Budget

Review **Review + Action** **Action** **Discussion**

This is a report required by Board policy.

Presenters: Vice President Pamela Wheelock
Assistant Vice President Suzanne Smith

Purpose & Key Points

The University adopts an annual capital improvement budget that authorizes projects costing more than \$500,000 to begin design and construction during the upcoming fiscal year. The purpose of the committee discussion is to provide additional detail regarding projects included in the annual capital budget.

The annual capital improvement budget is reflective of the following planning principles:

1. Advance the academic excellence of the University of Minnesota by aligning capital projects with the four quadrants of President Kaler's Platform for Excellence: innovation, discovery, reputation and funding.
2. Address service unit priorities that support the academic priorities.
3. Ensure that investments in existing facilities and infrastructure contribute to safety, renewal, preservation, and restoration objectives and are aligned with the priorities of the University's academic plan.
4. Give preference to projects that create flexible space, improve space utilization, and reduce operational costs.
5. Protect the University's financial position by keeping capital expenditures within projected debt capacity limits.
6. Advance the guiding principles of campus master plans and the Board's sustainability policies.

Background Information

Board of Regents policy: *Board Operations and Agenda Guidelines* 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 1, approved by the Board in June, is the annual capital improvement budget for the coming fiscal year in which projects with completed predesigns and financing plans are approved to proceed with design and construction.
- Part 2 is a capital improvement plan that establishes the institution’s capital priorities for an additional five years into the future. This plan will become the basis for continued capital and financial planning. The six-year plan is presented to the Board annually in the fall.

President’s Recommendation

The President recommends approval of the FY2015 annual capital improvement budget and reaffirmation of the Board’s prior year capital expenditure authorization.



REGENTS OF THE UNIVERSITY OF MINNESOTA

RESOLUTION RELATED TO

FY2015 CAPITAL IMPROVEMENT BUDGET

WHEREAS, the Board of Regents directed the administration to annually submit a capital improvement budget and a six-year capital improvement plan; and

WHEREAS, the Board has adopted principles to guide the formulation of the capital improvement budget and six-year capital improvement plan; and

WHEREAS, the Board 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 FY2015 Capital Improvement Budget and reaffirms its prior year capital expenditure authorizations.

FY2015 ANNUAL CAPITAL BUDGET

University of Minnesota

Annual Capital Budget Definitions by Funding Source

Local Funds

These funds have been allocated to or generated by colleges and departments, including state appropriations, tuition, external sales and other unrestricted funds.

Grants / Gifts

Grant and gift funds are provided to the University to support specific construction projects.

University Funds

This category of resources represents a broad array of funds from within the University including, but not limited to, funds allocated from the internal loan pool, central reserves, prior year balances, and funds budgeted annually for specific repair and replacement projects.

Self-Supporting

Auxiliary (business units) and Internal Service Organizations of the University generate revenue to support both their operating and capital needs. These self-supporting units are responsible for routine building renewal and remodeling needs.

State Debt

These funds are provided from State sold bond proceeds for use on legislatively authorized projects.

U of M Debt

These funds come from the sale of bonds issued by the University. The source of the debt service payment varies by project

UNIVERSITY OF MINNESOTA

Annual Capital Improvement Budget

Project Funding Report

UNIVERSITY OF MINNESOTA

Funding Report

Academic Affairs

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
3166	New Facility	Microbial Sciences Research Building	\$45,000	\$0	\$0	\$0	\$0	\$30,000	\$15,000	FY14 State Request
3211	TC Campus	Laboratory Improvement Fund	\$18,000	\$0	\$0	\$0	\$0	\$12,000	\$6,000	FY14 State Request
<i>Carlson School of Management</i>										
3189	Carlson School of Manage	3M Auditorium Remodel	\$620	\$0	\$620	\$0	\$0	\$0	\$0	
<i>College of Food, Ag, and Natural Sciences</i>										
3180	Arboretum	Eastern Drive	\$1,845	\$0	\$1,845	\$0	\$0	\$0	\$0	
3186	Snyder Building	Restroom Update and Fire Sprinklers	\$850	\$0	\$850	\$0	\$0	\$0	\$0	
3201	Engineering and Fisheries	Aquatic Invasive Species Lab - Phase I	\$1,130	\$0	\$1,130	\$0	\$0	\$0	\$0	
<i>College of Science & Engineering</i>										
3165	Tate Laboratory	Tate Science and Teaching Renovation	\$85,000	\$0	\$0	\$0	\$0	\$56,700	\$28,300	FY14 State Request
3188	Mechanical Engineering	Collegiate ISO Shop Remodel	\$815	\$815	\$0	\$0	\$0	\$0	\$0	
<i>Student Affairs</i>										
3178	Boynton Health Service	West Elevator Replacement	\$800	\$0	\$0	\$0	\$800	\$0	\$0	
			\$154,060	\$815	\$4,445	\$0	\$800	\$98,700	\$49,300	

UNIVERSITY OF MINNESOTA

Funding Report

Health Sciences

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>School of Nursing</i>										
3170	Weaver Densford	Second Floor Lab Renovation	\$600	\$600	\$0	\$0	\$0	\$0	\$0	
			\$600	\$600	\$0	\$0	\$0	\$0	\$0	

UNIVERSITY OF MINNESOTA

Funding Report

Athletics

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Intercollegiate Athletics</i>										
3215	TC Campus	R&R - Twin Cities	\$1,500	\$0	\$0	\$0	\$1,500	\$0	\$0	
			\$1,500	\$0	\$0	\$0	\$1,500	\$0	\$0	

UNIVERSITY OF MINNESOTA

Funding Report

President

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Government Relations</i>										
3190	Morrill Hall	Ground Floor Improvements	\$750	\$500	\$0	\$250	\$0	\$0	\$0	
			\$750	\$500	\$0	\$250	\$0	\$0	\$0	

UNIVERSITY OF MINNESOTA

Funding Report

Crookston Campus

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Facilities Management</i>										
3213	Crookston Campus	R&R - UMC Campus	\$490	\$490	\$0	\$0	\$0	\$0	\$0	
<i>Student Affairs</i>										
3167	New Facility	Campus Wellness Center	\$15,000	\$0	\$0	\$0	\$0	\$10,000	\$5,000	FY14 State Request
			\$15,490	\$490	\$0	\$0	\$0	\$10,000	\$5,000	

UNIVERSITY OF MINNESOTA

Funding Report

Duluth Campus

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Academic Affairs</i>										
3197	New Facility	Greenhouse Construction	\$800	\$800	\$0	\$0	\$0	\$0	\$0	
<i>Auxiliary Services</i>										
3191	UMD Campus	R&R - UMD Campus	\$2,000	\$0	\$0	\$0	\$2,000	\$0	\$0	
3193	UMD Campus	Parking Lot M2 Expansion	\$900	\$0	\$0	\$0	\$900	\$0	\$0	
3194	Kirby Student Ctr	First Floor Remodel - Phase II	\$2,500	\$0	\$0	\$0	\$2,500	\$0	\$0	
3195	RHDC	Dining Center Renovation	\$2,750	\$0	\$0	\$0	\$2,750	\$0	\$0	
<i>Facilities Management</i>										
3192	UMD Campus	R&R - UMD Campus	\$3,900	\$3,900	\$0	\$0	\$0	\$0	\$0	
3196	UMD Campus	Steam Line Replacement	\$1,300	\$1,300	\$0	\$0	\$0	\$0	\$0	
<i>Swenson College of Science & Engineering</i>										
3169	New Facility	Chemical Sciences & Materials Bldg	\$36,000	\$0	\$0	\$0	\$0	\$24,000	\$12,000	FY14 State Request
			\$50,150	\$6,000	\$0	\$0	\$8,150	\$24,000	\$12,000	

UNIVERSITY OF MINNESOTA

Funding Report

Morris Campus

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Facilities Management</i>										
3212	Morris Campus	R&R - UMM Campus	\$790	\$790	\$0	\$0	\$0	\$0	\$0	
			\$790	\$790	\$0	\$0	\$0	\$0	\$0	

UNIVERSITY OF MINNESOTA

Funding Report

University Services

File	Facility	Project Title	Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt	Comments
<i>Facilities Management</i>										
3198	TC Campus	R&R - Twin Cities	\$7,950	\$7,950	\$0	\$0	\$0	\$0	\$0	
3164	Systemwide	HEAPR	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	FY14 State Request
3199	TC Campus	R&R - Utility Infrastructure	\$7,965	\$0	\$0	\$0	\$7,965	\$0	\$0	
3200	TC Campus	R&R - Energy Conservation	\$2,900	\$0	\$0	\$2,000	\$900	\$0	\$0	
<i>Housing & Residential Life</i>										
3205	Centennial Hall	HVAC Replacement	\$11,500	\$11,500	\$0	\$0	\$0	\$0	\$0	
3204	TC Campus	R&R - Housing and Residential Life	\$5,165	\$5,165	\$0	\$0	\$0	\$0	\$0	
<i>Parking and Transportation Services</i>										
3208	TC Campus	PTS Safety Upgrades	\$750	\$750	\$0	\$0	\$0	\$0	\$0	
3207	TC Campus	Replace parking facility lighting	\$2,150	\$2,150	\$0	\$0	\$0	\$0	\$0	
3209	TC Campus	Transportation Infrastructure	\$2,250	\$2,250	\$0	\$0	\$0	\$0	\$0	
3210	TC Campus	R&R - Parking Services	\$2,430	\$2,430	\$0	\$0	\$0	\$0	\$0	
<i>University Dining Services</i>										
3206	TC Campus	R&R - Dining Services	\$1,445	\$1,445	\$0	\$0	\$0	\$0	\$0	
			\$144,505	\$33,640	\$0	\$2,000	\$8,865	\$100,000	\$0	

UNIVERSITY OF MINNESOTA

Funding Report

Report Summary

Total	Local Funds	Grants / Gifts	University Funds	Self Support	State Debt	Univ. Debt
\$367,845	\$42,835	\$4,445	\$2,250	\$19,315	\$232,700	\$66,300

UNIVERSITY OF MINNESOTA

Annual Capital Improvement Budget

Project Description Report

The following project information sheets, ordered by file number, provide brief descriptions of each project.

Information sheets for Repair and Replacement (RR) projects are not included because each budget line item for these categories represent multiple projects.

UNIVERSITY OF MINNESOTA

Project Description Report

3165 Tate Science and Teaching Renovation

Vice President: Academic Affairs

Campus: Twin Cities

Facility: Tate Laboratory

Total Cost: \$85,000

Description: This project will renovate the building's obsolete labs and antiquated classrooms into vibrant, flexible spaces to bolster instruction, research, and support services of the School of Physics and Astronomy and the School of Earth Sciences. In addition, the project will ensure that Tate retains its architectural character as part of the Northrop Mall Historic District

RRC: College of Science and Engineering

RRC Contact: Crouch, S.

Project Manager: Ross, K.

3166 Microbial Sciences Research Building

Vice President: Academic Affairs

Campus: Twin Cities

Facility: New Facility

Total Cost: \$45,000

Description: This project will construct a new chemistry and biology based experimental laboratory building on the St. Paul campus to become the home of non-medical life sciences fields such as plant pathology, animal infectious diseases, microbial systems, synthetic biology, and fungal evolution.

RRC: Multiple RRCs

RRC Contact:

Project Manager: Dickie, T.

3167 Campus Wellness Center

Vice President: Crookston Campus

Campus: Crookston

Facility: New Facility

Total Cost: \$15,000

Description: This project will design, renovate, and expand the existing Crookston campus wellness and recreation center. The project will support the teaching and learning mission of the University by fostering student success and development.

RRC: Crookston Campus

RRC Contact: Wood, F.

Project Manager: Everson, S.

UNIVERSITY OF MINNESOTA

Project Description Report

3169 Chemical Sciences & Materials Bldg

Vice President: Duluth Campus

RRC: Duluth Campus

Campus: Duluth

RRC Contact: Black, L.

Facility: New Facility

Project Manager: Ross, K.

Total Cost: \$36,000

Description: This project will build a new facility to meet the research and undergraduate instruction needs of the Swenson College of Science and Engineering on the Duluth campus. The new building will include classrooms, research laboratories and undergraduate instructional laboratories.

3170 Second Floor Lab Renovation

Vice President: Health Sciences

RRC: School of Nursing

Campus: Twin Cities

RRC Contact: Adderley, D.

Facility: Weaver Densford

Project Manager: Nickel, P.

Total Cost: \$600

Description: This project will convert obsolete and unused lab space to office space for the School of Nursing's Department of Student Services.

3178 West Elevator Replacement

Vice President: Academic Affairs

RRC: Student Affairs

Campus: Twin Cities

RRC Contact: Standorf, B.

Facility: Boynton Health Service

Project Manager: Mahowald, G.

Total Cost: \$800

Description: This project will complete required code improvements to the west passenger elevator. The project includes the passenger car, machine room, and elevator pit.

UNIVERSITY OF MINNESOTA

Project Description Report

3180 Eastern Drive

Vice President: Academic Affairs

RRC: College of Food, Agriculture and Natural Sciences

Campus: Landscape Arboretum - Excelsior

RRC Contact: Moe, P.

Facility: Arboretum

Project Manager: Waganda, W.

Total Cost: \$1,845

Description: This project will construct a 1 mile long, 2-way road from the Hedge Collection Parking Lot on the 3-Mile Drive through the SE corner of the Arboretum property to the Red Barn and Bee Center Site. This road was identified in the 2012 Circulation and Development Master Plan.

3186 Restroom Update and Fire Sprinklers

Vice President: Academic Affairs

RRC: College of Food, Agriculture and Natural Sciences

Campus: Landscape Arboretum - Excelsior

RRC Contact: Moe, P.

Facility: Snyder Building

Project Manager: Waganda, W.

Total Cost: \$850

Description: This project will remodel the Snyder Building first floor restrooms for ADA compliance and install fire sprinklers.

3188 Collegiate ISO Shop Remodel

Vice President: Academic Affairs

RRC: College of Science and Engineering

Campus: Twin Cities

RRC Contact: Kaveh, M.

Facility: Mechanical Engineering

Project Manager: Dickie, T.

Total Cost: \$815

Description: This project will remodel portions of Mechanical Engineering to allow for the consolidation of collegiate shops. The facility will provide greater efficiency and expanded capacity.

UNIVERSITY OF MINNESOTA

Project Description Report

3189 3M Auditorium Remodel

Vice President: Academic Affairs

RRC: Carlson School of Management

Campus: Twin Cities

RRC Contact: Savage, D.

Facility: Carlson School of Management

Project Manager: Ross, K.

Total Cost: \$620

Description: This project will upgrade the Carlson School 3M Auditorium including new light fixtures and controls, new projection and technology upgrades, and furniture replacement.

3190 Ground Floor Improvements

Vice President: President

RRC: Office of the President

Campus: Twin Cities

RRC Contact: Wangaard, B.

Facility: Morrill Hall

Project Manager: Bartelma, B.

Total Cost: \$750

Description: This project will upgrade the ground floor of Morrill Hall to make the space more flexible, efficient, and functional.

3193 Parking Lot M2 Expansion

Vice President: Duluth Campus

RRC: Student Affairs

Campus: Duluth

RRC Contact: Keenan, P.

Facility: UMD Campus

Project Manager: Rashid, J.

Total Cost: \$900

Description: This project will expand parking lot M2 onto the site previously occupied by the Stadium Apartments.

UNIVERSITY OF MINNESOTA

Project Description Report

3194 First Floor Remodel - Phase II

Vice President: Duluth Campus

RRC: Student Affairs

Campus: Duluth

RRC Contact: Eltink, J.

Facility: Kirby Student Ctr

Project Manager: Rashid, J.

Total Cost: \$2,500

Description: This project will continue the renovation of the Kirby Student Center. Space being renovated is adjacent to the portion of space that was remodeled in FY13. Included in this remodel is student activity space and suite 101.

3195 Dining Center Renovation

Vice President: Duluth Campus

RRC: Student Affairs

Campus: Duluth

RRC Contact: Cardoso, L.

Facility: RHDC

Project Manager: Rashid, J.

Total Cost: \$2,750

Description: This project will renovate the existing Residence Hall Dining Center. Included in the renovation are food service improvements and general space upgrades.

3196 Steam Line Replacement

Vice President: Duluth Campus

RRC: Facilities Management

Campus: Duluth

RRC Contact: King, J.

Facility: UMD Campus

Project Manager: Rashid, J.

Total Cost: \$1,300

Description: This project will replace a failing steam line that is direct buried between the campus heating plant and the Sports and Health Center.

UNIVERSITY OF MINNESOTA

Project Description Report

3197 Greenhouse Construction

Vice President: Duluth Campus

Campus: Duluth

Facility: New Facility

Total Cost: \$800

Description: This project will construct a new greenhouse located near the Swenson Science Building. The greenhouse will be constructed to allow for future expansion.

RRC: Academic Affair and Provost

RRC Contact: Riehl, J.

Project Manager: Rashid, J.

3201 Aquatic Invasive Species Lab - Phase I

Vice President: Academic Affairs

Campus: Twin Cities

Facility: Engineering and Fisheries Lab

Total Cost: \$1,130

Description: This project will upgrade the existing facility in the areas of water supply and effluent treatment, utilities, electrical service, internal plumbing, and building security.

RRC: College of Food, Agriculture and Natural Sciences

RRC Contact: Cuomo, G.

Project Manager: Nickel, P.

3205 HVAC Replacement

Vice President: University Services

Campus: Twin Cities

Facility: Centennial Hall

Total Cost: \$11,500

Description: This project will replace the Centennial Hall HVAC system. The current HVAC system in Centennial Hall has exceeded its useful life.

RRC: Auxiliary Services

RRC Contact: Thompson, C.

Project Manager: Rudstrom, N.

UNIVERSITY OF MINNESOTA

Project Description Report

3207 Replace parking facility lighting

Vice President: University Services

RRC: Auxiliary Services

Campus: Twin Cities

RRC Contact: Ramole, M.

Facility: TC Campus

Project Manager:

Total Cost: \$2,150

Description: This project will replace lighting in multiple parking facilities with more energy efficient options.

3208 PTS Safety Upgrades

Vice President: University Services

RRC: Auxiliary Services

Campus: Twin Cities

RRC Contact: Ramole, M.

Facility: TC Campus

Project Manager:

Total Cost: \$750

Description: This project will upgrade campus transportation safety including bus shelter cameras and lighting, parking facility cameras, and code blue phone and camera.

3209 Transportation Infrastructure

Vice President: University Services

RRC: Auxiliary Services

Campus: Twin Cities

RRC Contact: Ramole, M.

Facility: TC Campus

Project Manager: Dickie, T.

Total Cost: \$2,250

Description: This project will fund the Pillsbury-Pleasant Corridor project and other minor transportation infrastructure projects.

UNIVERSITY OF MINNESOTA

Project Description Report

3211 Laboratory Improvement Fund

Vice President: Academic Affairs

Campus: Twin Cities

Facility: TC Campus

Total Cost: \$18,000

Description: This project will renovate strategic research facilities to remain nationally competitive and recruit and retain top faculty. The lab improvements will support research in areas such as bees, greenhouses, and aquatic invasive species.

RRC: College of Food, Agriculture and Natural Sciences

RRC Contact: Thompson, C.

Project Manager: Rudstrom, N.

University of Minnesota
Potential Additions
Annual Capital Improvement Budget

Campus	Unit	Facility	Project Title	Notes
UMTC	Academic Health Center	Masonic Cancer Center	Remodel 7th Floor	Funding not complete
UMTC	Intercollegiate Athletics	Williams Arena	Roof Replacement	Funding not complete
UMTC	School of Dentistry	Ambulatory Care Clinic	Dentistry inclusion in ACC	Predesign not complete
UMTC	University Services	Donhowe Building	Work + Phase II	Predesign and funding not complete

FY2015 Annual Capital Improvement Budget

Board of Regents Facilities and Operations Committee
May 8, 2014



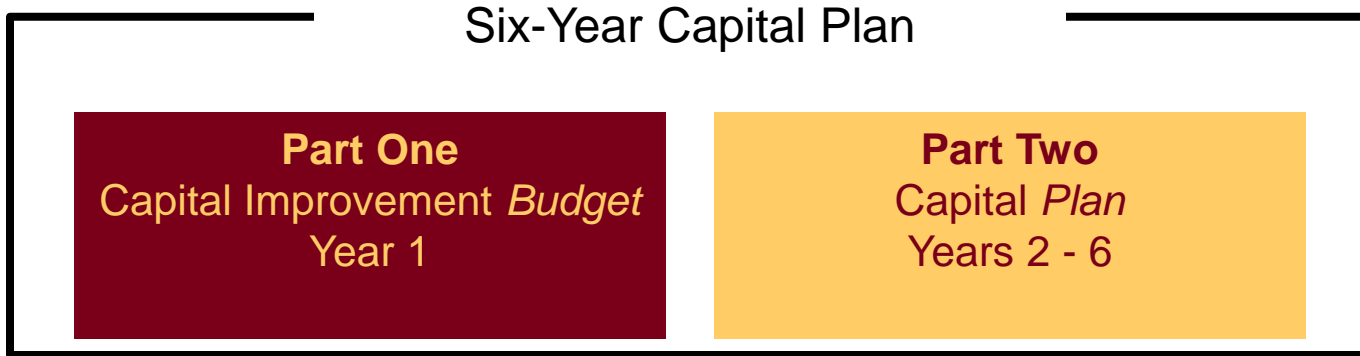
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Capital Plan

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





Annual Capital Improvement Budget

- Year 1 of the Six-Year Capital Plan
- Includes individual projects over \$500,000
- Projects need to have a completed predesign
- Projects must be fully funded
- Approved projects move into design and/or construction



2014 Capital Request Update

- The legislature has not taken final action on a bonding bill
- The capital improvement budget information in the docket material reflects the full value of the University's legislative request
- The capital improvement budget will be updated for the June meeting to reflect the final bill outcome

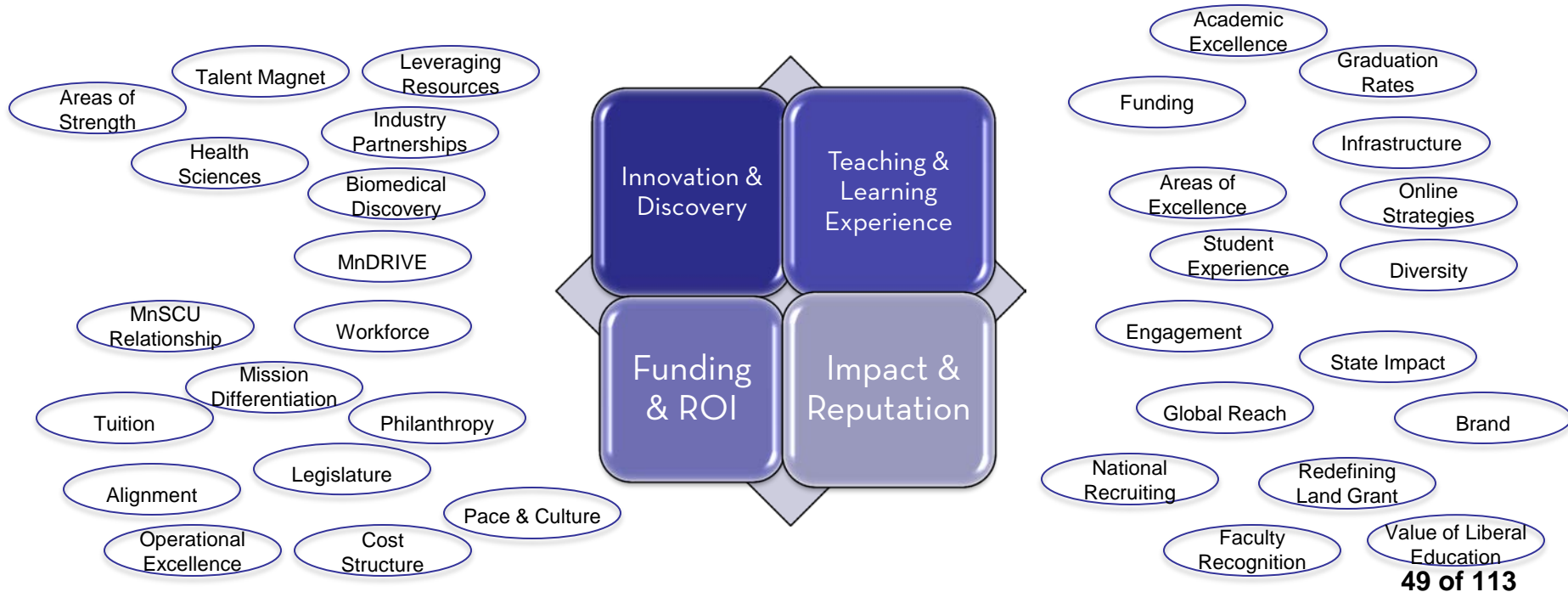


State Capital Request Projects Included in the 2015 Capital Budget

Project	State Share	University Share	Total
HEAPR	\$100,000		\$100,000
Tate Science and Teaching Renovation	\$56,667	\$28,333	\$85,000
Microbial Sciences Research Building	\$30,000	\$15,000	\$ 45,000
Campus Wellness Center	\$10,000	\$5,000	\$15,000
Research Laboratory Improvement Fund	\$12,000	\$6,000	\$18,000
Chemical Sciences and Advanced Materials Bldg	\$24,000	\$12,000	\$36,000
	\$232,667	\$66,333	\$299,000



Aligning Capital Projects with the Platform of Excellence





Funding & Return on Investment (ROI)

- UMD: Steam Line Replacement
- UMTC: Centennial Hall HVAC Replacement
- Systemwide: Repair and Replacement
- Systemwide: HEAPR Funds





HEAPR Funds

- HEAPR legislation provides very strict guidelines on the type of projects that can be funded
 - Intended to give the University and MNSCU flexibility to operate within these strict guidelines
- Funds are intended to preserve and renew existing campus facilities by funding five kinds of projects
 - Accessibility
 - Building Systems
 - Energy Efficiency
 - Health and Safety
 - Infrastructure



HEAPR Process

- The University initially allocates HEAPR to campuses based on a combination of campus size and facility condition need
- The Facility Condition Assessment (FCA) database plays a critical role in the allocation and prioritization process
- Projects are prioritized on each campus based on
 - health and safety risk
 - facility condition
 - regulatory requirements
 - academic program impact
 - additional funding opportunities





HEAPR Projects

- The 2014 request of \$100M will fund more than 75 projects system-wide
- The preliminary project list will be adjusted to align project priorities with final legislative funding
- Projects include:
 - UMM Behmler Hall HVAC Upgrades
 - UMD Cina Hall Building Upgrades
 - UMC Electrical Infrastructure
 - WCROC Maintenance Shop HVAC Improvements
 - UMTC Mechanical Engineering: Phase II
 - UMTC Heller Hall Windows and Tuckpointing
 - UMTC Alderman Hall Fire Safety and Ventilation



Teaching and Learning Experience

- UMTC: Tate Lab – Renovation
- UMC: Campus Wellness Center
- UMD: Chemical Sciences & Materials Building
- UMD: Greenhouse Construction
- UMTC: Mechanical Engineering Shop Remodel





Innovation and Discovery

- UMTC: Microbial Sciences Research Building
- UMTC: Research Lab Improvement Fund
- UMTC: Engineering and Fisheries Aquatic Invasive Species Lab





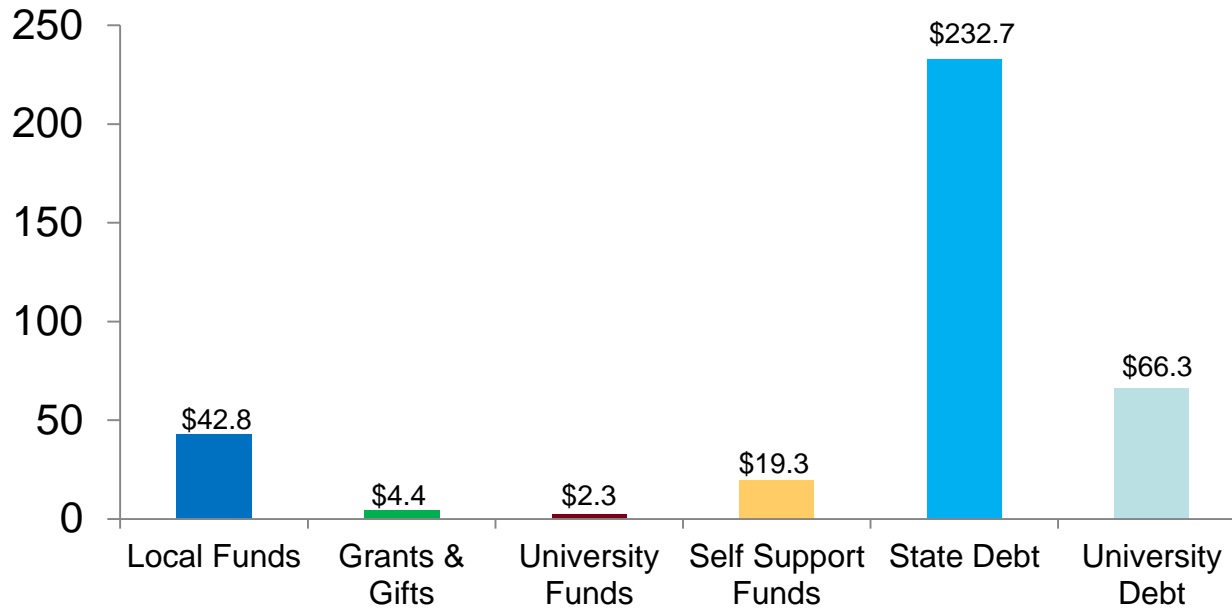
Impact and Reputation

- Arboretum: Snyder Building Renovation of Restroom for ADA and Fire Sprinklers
- UMTC: Boynton Health Service Elevator Replacement
- UMTC: Carlson 3M Auditorium Remodel
- UMD: Dining Center Renovation
- UMD: Kirby Student Center Remodel





2015 Capital Budget: \$367.8 Million





DISCUSSION



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BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Providing a Memorable Student Experience

Review

Review + Action

Action

Discussion

This is a report required by Board policy.

Presenters: Pamela Wheelock, Vice President, University Services
Laurie Scheich, Associate Vice President, Auxiliary Services
Mike Berthelsen, Associate Vice President, Facilities Management

Purpose & Key Points

For over 160 years, the University of Minnesota's identity has been directly linked to its spaces in Minneapolis and Saint Paul. The Twin Cities campus encompasses over 1,150 acres in the midst of America's 16th largest urban area. Its history, breadth of degree programs, urban location, and research mission all are draws for students. While online education is an established and growing medium for delivering post-secondary education, a place-based learning experience is, and is expected to be for the foreseeable future, one of the biggest competitive advantages the University of Minnesota has in delivering undergraduate and graduate education.

The curricular and co-curricular activities occurring in and out of the classroom provide the primary basis for a student's experience. But in a place-based model of education, the physical environment and the services provided in relation to that environment directly and significantly impact student recruitment, retention, satisfaction, and success. In this third of three conversations about University Services' strategic planning, we seek to engage the committee in discussion about how University Services and the physical assets of the institution should evolve to continue playing a supporting role in providing a memorable student experience.

The University has a large physical footprint, particularly on the Twin Cities campus where there are over 250 buildings and 13.5 million assignable square feet (asf) of space supporting the educational and research pursuits of 51,000 students. Of this space, nearly 1.2 million asf are related to study and classroom space and another 1.6 million asf are residential use. Additional real estate is assigned to functions such as recreation centers and fields, intercollegiate athletics, dining, bookstores, transportation facilities, and other student support purposes.

The landscapes – whether natural, adjacent to one of the world's largest rivers, or formed in the planned experience of the campus green spaces – are a unique component of the University's physical location. The campus location in an urban environment means that the perceived boundaries between campus and city are fluid, and impacts in one area can spill over to the other.

Given the size of the student body, historical decisions by both the University and private developers, and a location in a major metropolitan area, many students live near campus and increasingly walk, bike, or commute a relatively short distance to attend class, conduct research, or participate in other on-campus activities.

Student expectations of the campus experience continue to evolve with each generation of students, as society's definition of what constitutes "basic needs" shifts, and as the city adjacent to campus changes. Among other things, today's students expect:

- A safe campus that is easy to access and navigate,
- A seamless campus,
- A wide variety of gathering places,
- Flexible learning spaces with highly integrated technology, and
- A sustainable campus.

Considering these expectations, the current state of the campus, and unknown demands of future student bodies, the following questions are posed to guide the discussion:

- How can the University better ensure all students have a positive, memorable campus experience?
- How can the University's physical assets and services best portray the University's image and brand to students and their parents?
- How can campus space and facilities support the student experience and the University's mission?
- What should University Services be doing today in order to position the University to best compete for students 20 years in the future?

Background Information

This committee most recently heard a report related to student experience in June 2011, when it received an overview and information related to on-campus housing demand.

Providing a Memorable Student Experience

Board of Regents Facilities and Operations Committee
May 8, 2014

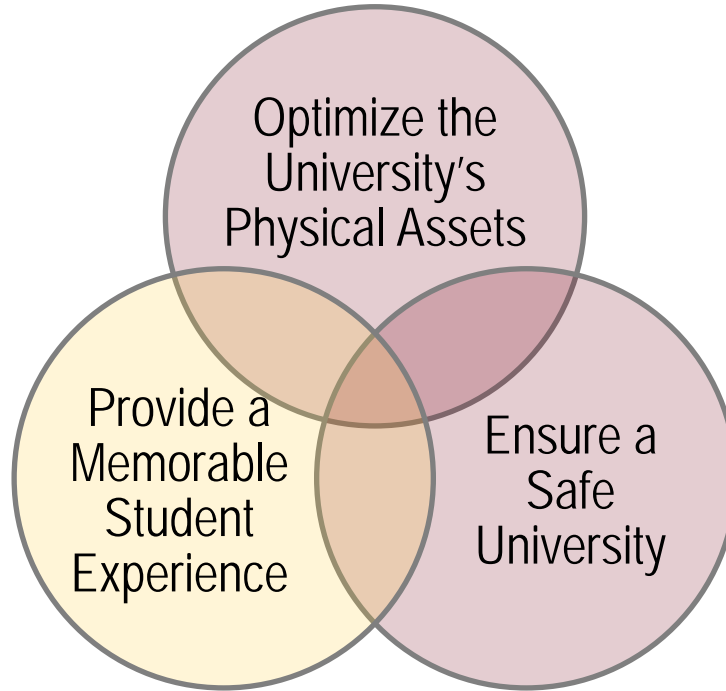


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University Services Strategic Goals





What is the Student Experience?

- Students spend about 20 hours a week in the classroom or lab – or 1/6 of their week
- The remaining 100 hours include everything from study and student activities to recreation and work





What are Students' Expectations?

- Advance their educational goals
- Make lifelong, meaningful connections
- Become part of a community
- Experience a large, urban campus
- Live, study, and recreate in a beautiful campus with high quality facilities






Why Does This Matter?

- More competitors in the marketplace
- High degree of mobility
- Changing demographics
- Increasing concerns about affordability and benefit of higher education

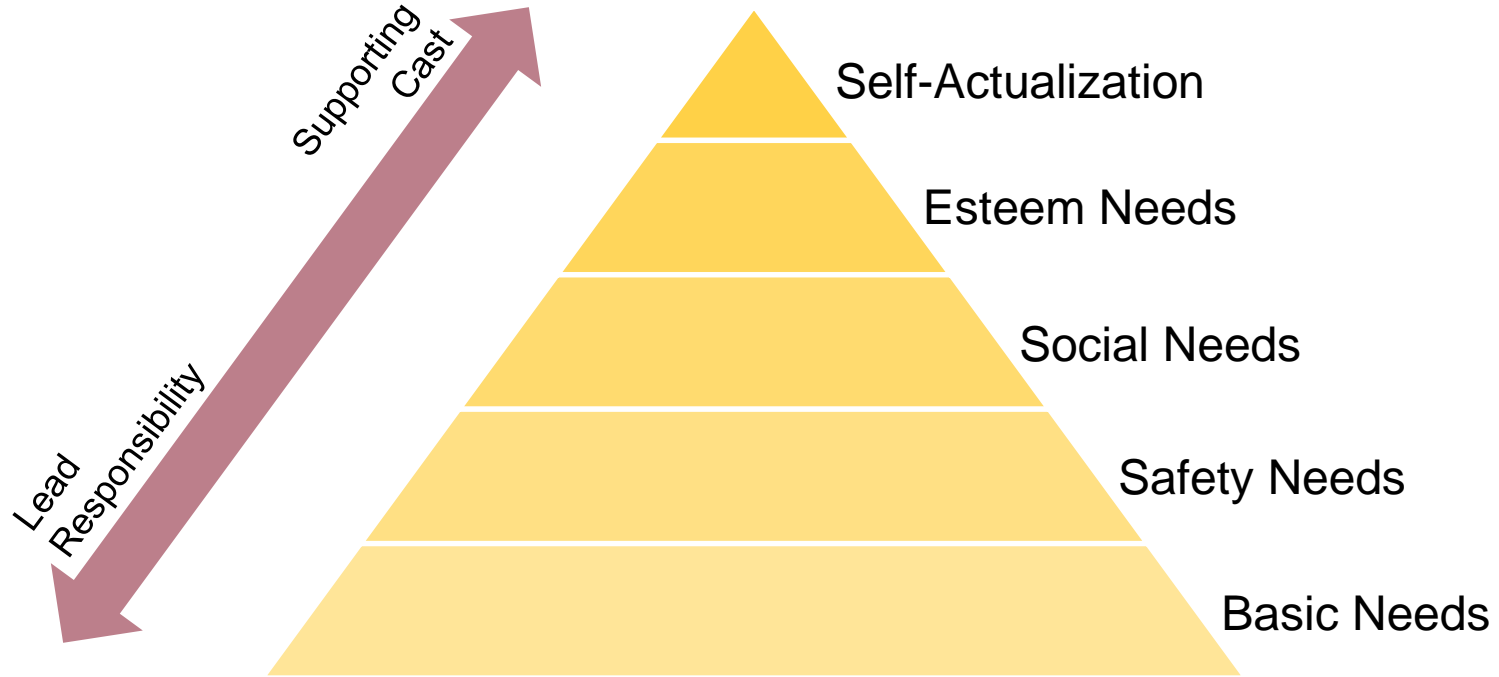




**We believe one of the
University of Minnesota's
competitive advantages is in
providing an exceptional
place-based experience**



Our Role in Student Development





U Services Areas of Responsibility

- Campus Operations
 - Dining Services
 - Housing and Residential Life
 - Retail
 - Transportation
 - University Health and Safety
 - University Police
- Campus Environment
 - Facilities Management
 - Planning, Design, and Construction





Campus Operations

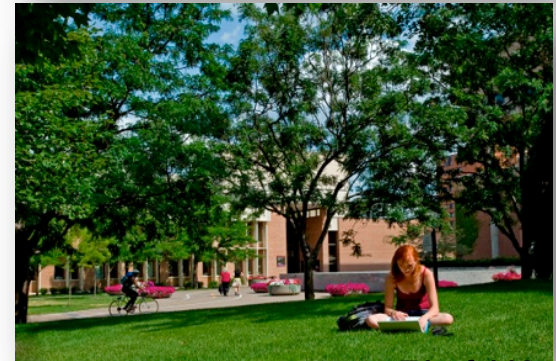
- On-campus housing serves 88% of first-year students
- Dining services range from traditional residential to food courts and campus cafes
- Operations keep a keen eye on affordability and impact on cost of attendance





Campus Environment

- How does campus design enhance or inhibit the student experience?
 - building design, landscape design
consistency of experience,
design guidelines
- How do we meet the challenge of being more student-centric?





Building Design





Landscape Design





Campus Planning





Consistency of Experience





The Paradigm of Time

- The U is in a good place today
 - record numbers of applicants, high ACT scores, growth in the surrounding community
- In order to shift how we do business, it takes time to develop, implement, and refine
 - renovation of buildings, reshaping landscapes, intentional location of programs, equalizing experience





University Services Strategic Objectives

- A safe campus that is easy to access and navigate
- A seamless campus experience
- A sustainable campus
- A wide variety of gathering places
- Flexible spaces with highly integrated technology





Lind Hall: A Student-Centric Success Story





DISCUSSION



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BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Transportation Planning and Operations on the Twin Cities Campus

Review **Review + Action** **Action** **Discussion**

This is a report required by Board policy.

Presenters: Vice President Pamela Wheelock
Ross Allanson, Director, Parking and Transportation Services

Purpose & Key Points

On a typical day, over 80,000 people travel to the University of Minnesota's Twin Cities campus (campus), making it the 3rd largest trip generator in the metro area. The University is committed to working with its partners to ensure a comprehensive transportation system that ensures safety, eases accessibility, reduces congestion, and enhances a pedestrian, bike, and transit-friendly University community.

The Facilities and Operations Committee will review and discuss the following as they relate to transportation planning and operations on the Twin Cities campus: 1) the campus in the context of the regional transportation system; 2) the campus master plan; 3) campus transportation operations; and 4) campus transportation challenges.

1) *The Twin Cities campus in the context of the regional transportation system (state, MetroTransit, county, municipalities, University)*

The campus is centrally located within the Twin Cities metropolitan area. Vehicle access is provided from the interstate highway system, county, city and University streets.

Transit connections are provided by local transit agencies (including Metro Transit, Southwest Transit, and Minnesota Valley Transit Authority), and serve numerous communities throughout the wider metropolitan area with direct service to campus. The University operates an on-campus transit service that serves three campus areas. City and campus bicycle network routes and pedestrian sidewalk infrastructure also provide direct access to campus.

To achieve an effective and seamless campus transportation system, the University coordinates with many governmental agencies. These include Mn/DOT, Hennepin County, Ramsey County, City of Minneapolis, City of Saint Paul, City of Falcon Heights, MetroTransit, and other regional transit providers.

Every 10 years, the Metropolitan Council develops and releases a 30-year transportation plan. *Thrive MSP 2040*, the Metropolitan Council's current Transportation Policy Plan, identifies challenges associated with preserving the region's mobility and describes actions that will be undertaken to preserve, improve, and expand the region's highways, transit, and other transportation modes.

Specific regional projects that will impact the University of Minnesota are as follows:

- Mn/DOT I-35W project to add entrance lane from the 4th Street trench to northbound I-35W through to Johnson Street – 2014/2015 project.
- Hennepin County pedestrian ramp upgrades on University Avenue and 4th Street.
- City of Minneapolis roadway seal coating and restriping on 5th Street, Fulton Street, and Oak Street.

2) *Twin Cities campus master plan*

The Twin Cities campus master plan (Plan) is driven by the belief that an integrated, beautiful, well-maintained University campus will advance the institution's academic mission. One of the Plan's 11 guiding principles focuses on transportation: *Integrate transportation systems emphasizing pedestrians, bicycles, and transit*. These integrated transportation systems will ensure pleasant and safe access and movement to facilitate human interactions to promote a sense of community within the campus and between the campus and adjacent neighborhoods.

Specific master plan guidelines focus on wayfinding, pedestrian priority, safe and accessible movement, bike travel and facilities, transit, automobiles, street function, service vehicles, and parking.

3) *Transportation operations*

Parking and Transportation Services provides parking, transit, pedestrian, bicycle, and other alternative transportation programs for the campus community. Transportation systems are supportive to our primary land uses.

Goals:

- Encourage transportation alternatives on and between the areas of the campus.
- Provide quality service with an emphasis on customer relations for all campus constituents, including those community members with specific needs, unique situations, and physical challenges.
- Design, build, and maintain campus transportation systems that are operationally sound, safe, efficient, and aesthetically pleasing while minimizing conflicts between varying modes.
- Provide funding support for the campus' overall transportation objectives.

Overview of Services and Programs:

- **Parking Operations:** Manage on-campus parking inventory of 19,000 spaces including 16 structured facilities, 130 surface lots, and 354 metered spaces that serve over 5 million vehicles annually.
- **Transit Services:** Operate Campus Circulator and Campus Connector shuttles that carry approximately 3 million passengers annually. Manage the University's U-Pass/MetroPass bus pass programs.

- **Fleet Operations:** Administratively manage 860 vehicles (department-owned, leases, and rental) system-wide, including registration and insurance. Conduct vehicle maintenance for the campus.
- **Alternative Transportation Programs:** Administer the University bicycle program, including infrastructure, bike lanes, and signage, as well as programming and operating the bike center. Expand alternative transportation offerings, such as carshare (Hourcar) and rideshare (Zimride) programs.
- **Transportation Systems:** Maintain campus transportation infrastructure, including campus streets, sidewalks, bridges, plazas, etc. Support campus traffic/project-related planning, design, and construction and assist with Green Line planning, design, and construction.

4) *Transportation challenges*

The Twin Cities campus continues to evolve from a commuter campus to one where an increasing number of students live on or near campus in student-centric private housing. It is projected that a significant number of additional residential properties will open within the next 2-3 years. The additional population density near campus has affected how students arrive to campus and get around on campus.

The campus master plan highlights the primary transportation challenges as vehicle congestion stemming from competition for street space and movement; managing conflicts between different modes of travel; and construction and maintenance of important connecting segments in all circulation networks. These challenges manifest themselves in different ways as we deal with system design, normal academic day business operations, and on major event days.

As building construction takes surface parking and as some of the parking facilities reach end of life, a balance between meeting the parking demand and alignment of the master plan needs to be reached. While the University has a parking supply that exceeds demand, it is often not located where all parkers would like it. This results in waiting lists and active analysis of how best to serve our short-term (daily) parkers and contract parkers.

The preferred modes – pedestrian, bicycle and transit – will be designed to complement and maximize effectiveness of future parking supply. Because pedestrian and bicycle modes were not always given preference, those modes must be included in the overall transportation plan. Green Line operations will have system-wide impacts, which the University has planned for; however, actual impacts will most likely be due to unexpected occurrences that will challenge the system.

In addition to the day-to-day challenges noted above, the University hosts events on campus that present unique transportation challenges for the campus, nearby neighborhoods, and the regional transportation system. Specifically, over the past year, the University has worked with a transportation planning consultant to identify methods for improving transportation on and near campus as it relates to large-scale events at TCF Bank Stadium. Last fall, several of the consultant's recommendations were implemented and more changes are planned as the University prepares to host the Minnesota Vikings on campus this fall.

Background Information

The Board of Regents has reviewed and discussed transportation issues on a periodic basis, most often in the context of specific policy issues:

- As discussed above, in 2009, the Board of Regents adopted the Twin Cities Campus Master Plan. A key component of this plan focuses on movement and circulation.
- Per state statute, the Board has the authority to enact and enforce Traffic Ordinances that govern all of the campuses. These Traffic Ordinances were last amended in 2010.
- Over the past decade, the Board has taken an active role in preparing for light rail transit on campus. A detailed account of Board activities related to the Green Line is included in the May full Board docket materials for the *Green Line Operations and Maintenance Addendum*.

Transportation Planning and Operations on the Twin Cities Campus

Board of Regents Facilities and Operations Committee
May 8, 2014



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Transportation Planning and Operations

- Regional transportation context
- Twin Cities campus Master Plan
- Transportation operations
- Transportation challenges



Questions for Consideration

- How does the existing regional infrastructure and future plans by state and local agencies impact the University and our transportation needs?
- What is our vision within the master plan?
- What challenges do we face?



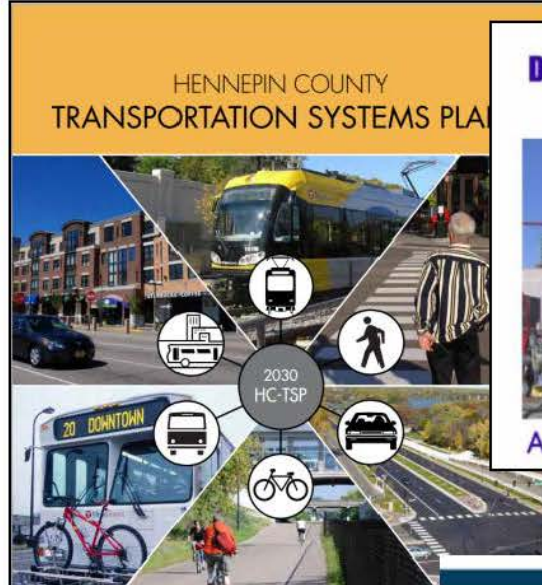
Guiding Principles

- Our comprehensive transportation system should:
 - Ensure safety
 - Ease accessibility
 - Improve traffic efficiency
 - Enhance a pedestrian, bike, and transit friendly community





Impact of Partner Agency Plans



TRANSPORTATION POLICY PLAN

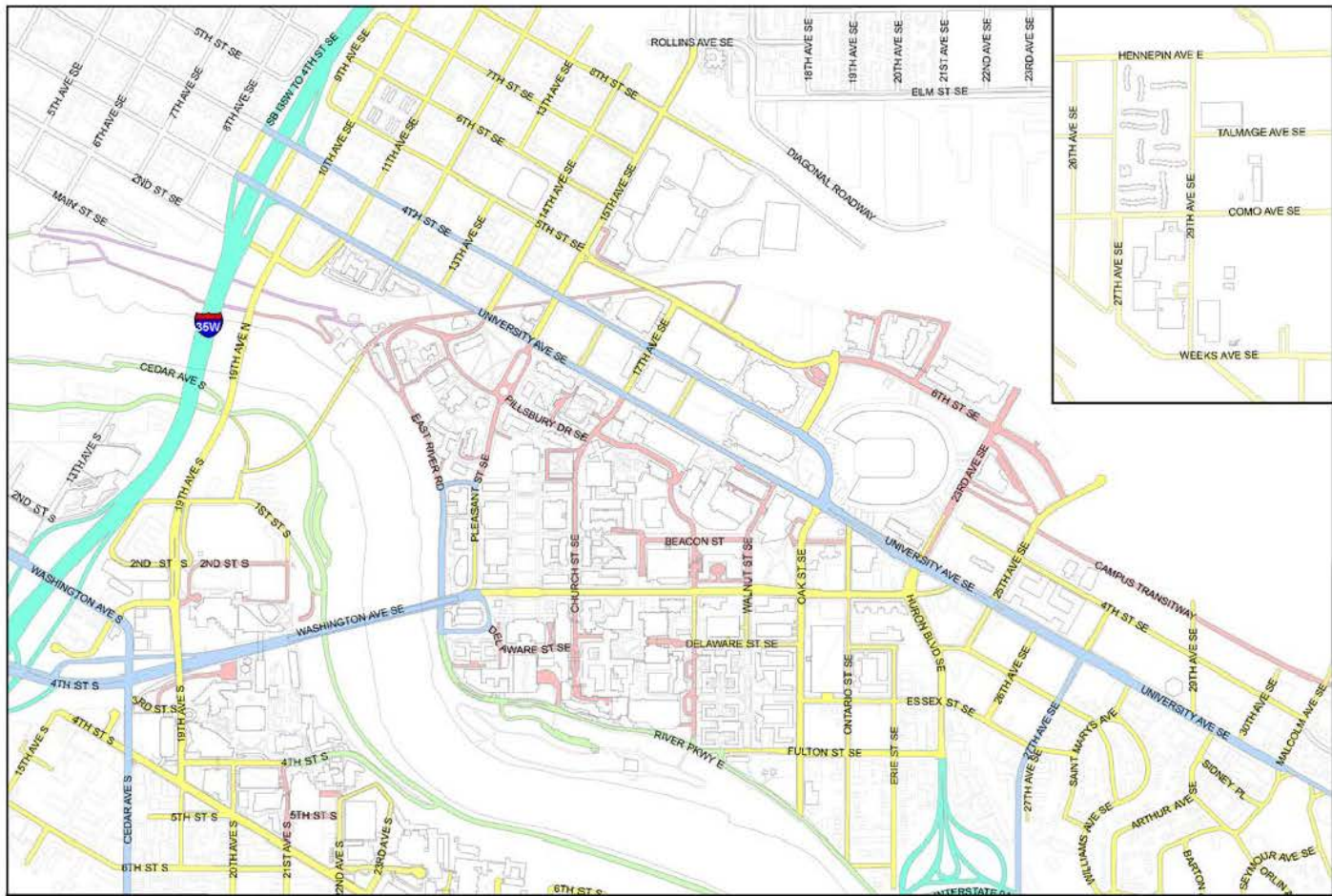




Complicated Roadway Network

- MnDOT plans for capacity and interchange function
- Time frames to implement
- Funding challenges





Real Estate Office



University of Minnesota

University of Minnesota Minneapolis Campus Street Jurisdiction

- University of Minnesota
- City of Minneapolis
- Hennepin County
- State of Minnesota
- Minneapolis Park Board
- Multijurisdictional



This map is intended to be used for planning purposes only and should not be relied upon where a survey is required.

Base Data: Real Estate Office
MNDNR, MNDOT

1/6/2014



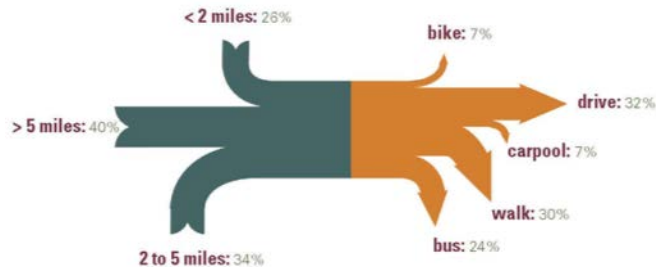
2030 Transitway Network





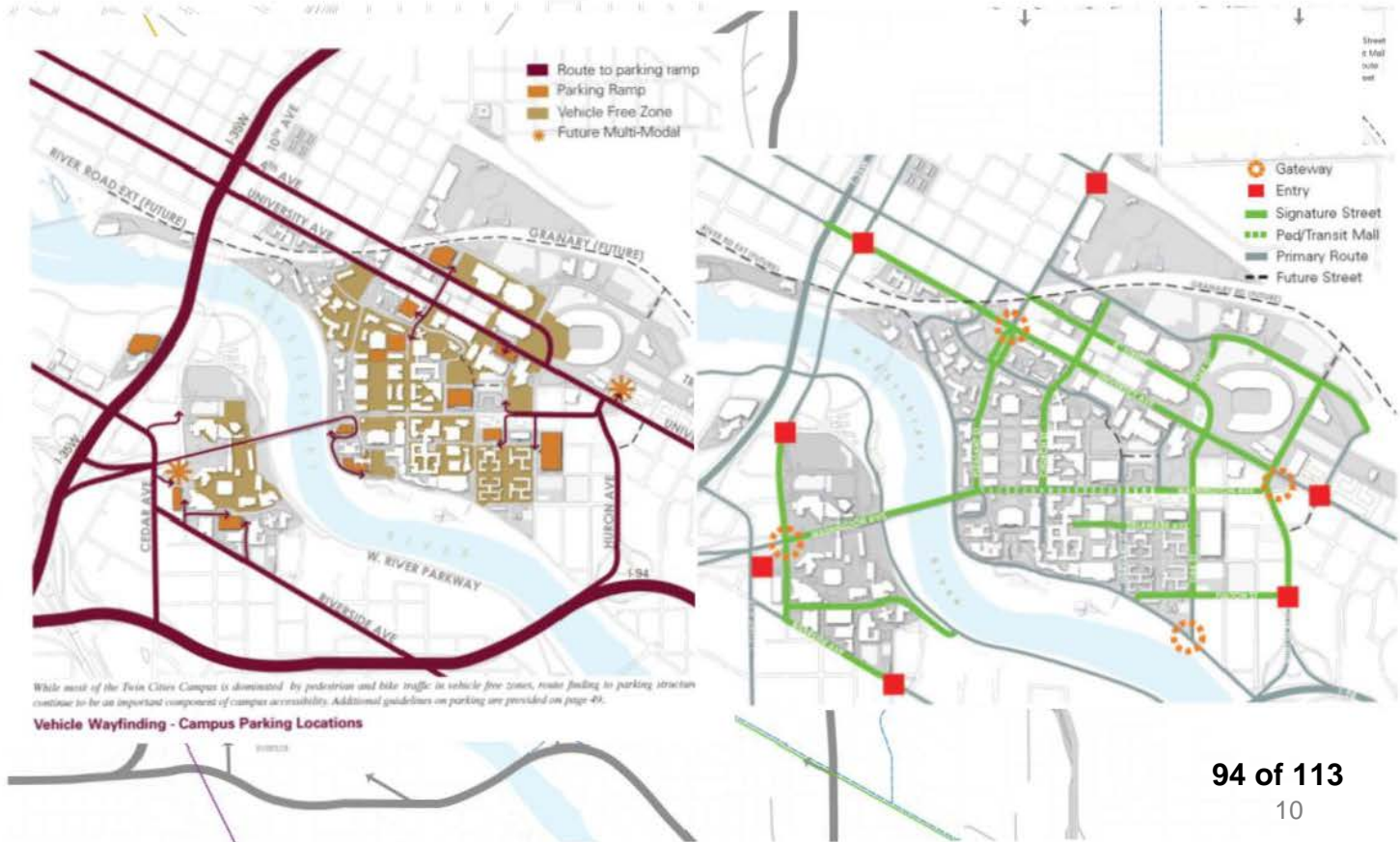
Twin Cities Campus Master Plan

- Campus legacy: rails, rivers, roads
- Place-based experience
- Campus impact on transportation systems





Campus Master Plan Guidance





Campus Infrastructure

- Support maintenance of campus transportation infrastructure, including campus streets, sidewalks, bridges, plazas, etc.
- Traffic project related planning, design, construction, and operations
- Assist with LRT Green Line planning, design, and construction





Transportation Operations

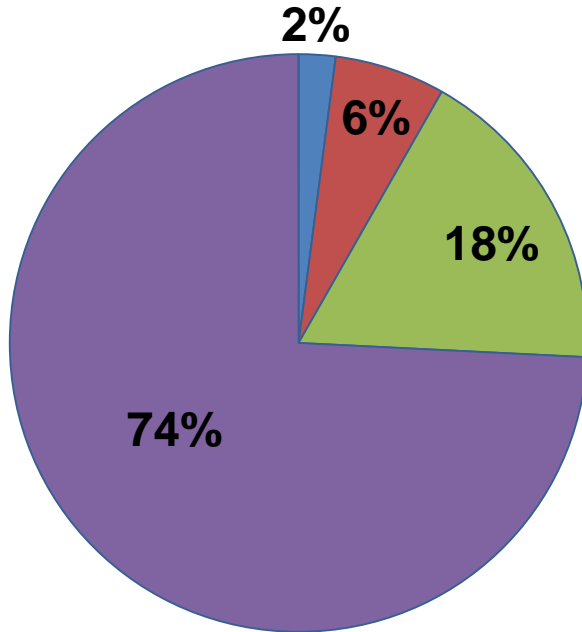
- Responsible for infrastructure and partnerships that ~80,000 people use to move on and around campus
- Crucial first and last impression of campus
- Five primary areas
 - Parking Operations
 - Transit Services
 - Fleet Services
 - Alternative Transportation
 - Transportation System Design



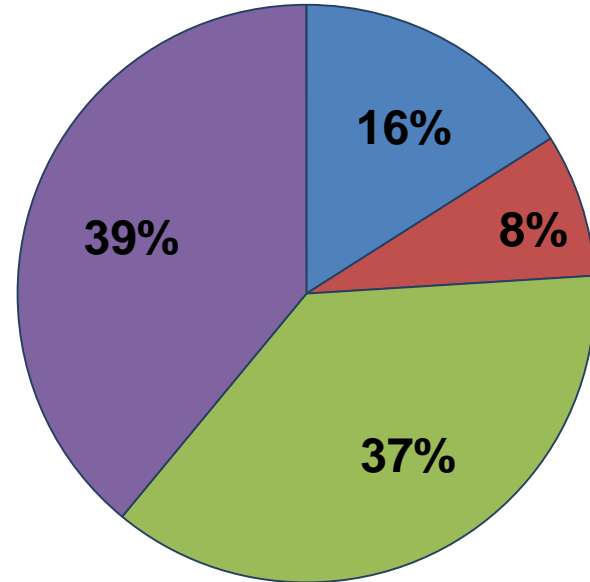


Mode of Travel to Campus

Faculty and Staff



Students



■ Walk ■ Bike ■ Bus ■ Drive



Our Goals

- Encourage transportation alternatives
- Provide quality, affordable service with an emphasis on customer relations
- Design, build, and maintain campus transportation and parking systems that are operationally sound, safe, efficient, and aesthetically pleasing while minimizing conflicts between varying modes
- Provide funding support for Twin Cities campus overall transportation objectives



Parking Operations

- Self-funded unit: \$29 million in FY13 Revenue
- 19,000 spaces
- 16 structures, 116 surface lots/areas, 350 meters
- 5 million parking instances annually
- 15,391 contracts
- Over 1,400 events serviced





Parking Operations

- Facility automation
 - Improved overall customer experience
 - Changing workforce
- Student employment opportunities
 - Engineering internships
 - Accounting
 - Attendants / Cashiers
 - Maintenance





Transit Services

- Reduces need for additional parking
- Creates life-long transit users
- Connects students to multiple campuses/destinations
- Integrates with regional transit network



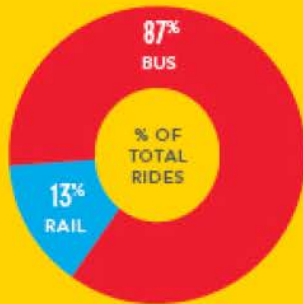


Metro Transit

81.4 million rides

 **70.4 MILLION**
RIDES

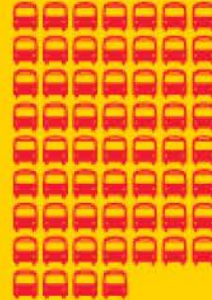
 **10.95 MILLION**
RIDES



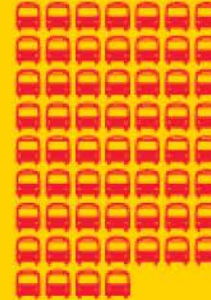
7+ COUNTIES | **90** CITIES

128 routes

60
URBAN LOCAL



60*
EXPRESS



6
SUBURBAN LOCAL



 **1**
LIGHT RAIL

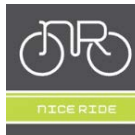
 **1**
COMMUTER RAIL

* Includes Maple Grove Transit routes operated by Metro Transit



Alternative Transportation

- Administer university bicycle infrastructure and programs
 - lanes, parking, ZAP program, Nice Ride, regional integration
- EV Charging Stations
- Provide alternatives to car ownership
 - carshare (Hourcar), rideshare (Zimride)





Transportation Challenges

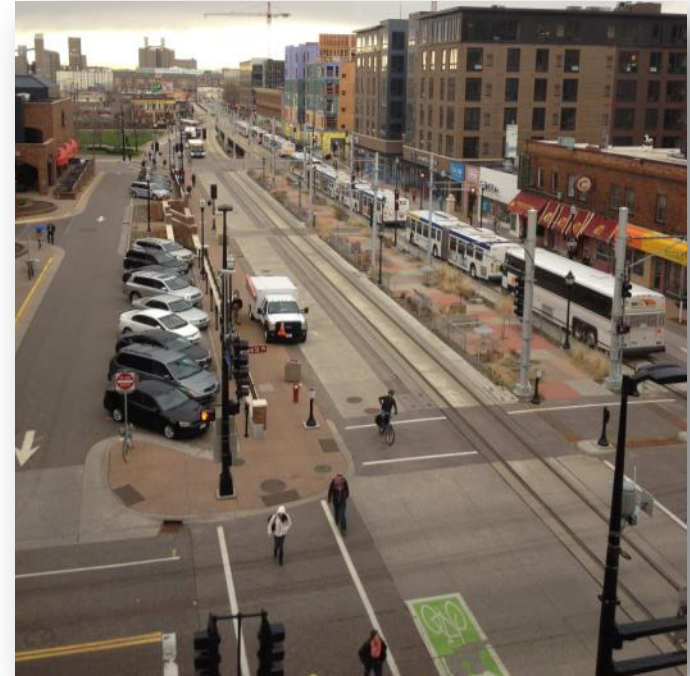
- Vehicle congestion
- Managing mode conflicts
- Infrastructure investments





Challenge: Congestion

- Significant influences
 - Just off campus housing creating more pedestrian and biking volume
 - AHC and Hospital increasing volumes
 - Reopening of Washington Ave
 - pedestrians, bikes, buses
 - historic vehicle traffic displacement
 - Event arrivals and departures with stadium events





Challenge: Modal Conflicts

- Pedestrians, bicycles, vehicles in the same space
 - legacy system design
 - how to separate modes
- Design solutions and improved infrastructure





Challenge: Expensive Infrastructure Investments

- Fringe parking to intercept vehicles
- Integration of modes and ease of mode transition
 - Pedestrian
 - Bicycle
 - Transit (Bus and LRT)
 - Vehicle





Challenge: Stadium Event Days

- Significant vehicle volumes on limited routes with capacity pinch points
- Impact on neighborhoods adjacent to campus





Conclusions

- We must understand the current regional partner assets and systems
- Work to have partners improve access
- The systems and infrastructure we control impact the impressions as someone arrives and leaves
- Our infrastructure is a necessary significant investment with lasting effects to ensure a safe, effective and positive experience



Discussion





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BOARD OF REGENTS DOCKET ITEM SUMMARY

Facilities & Operations

May 8, 2014

Agenda Item: Information Item

Review

Review + Action

Action

Discussion

This is a report required by Board policy.

Presenters: Vice President Pamela Wheelock

Purpose & Key Points

To update the Board of Regents regarding the following information item:

- *Final Project Review: Williams Arena Roof Replacement, Twin Cities Campus*

Background Information

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the vault. The roofing system's life span was anticipated to be 60 years and has been in place for 66 years. Over the past several years the roof has needed annual patching to keep moisture from entering the arena. Based on additional investigation and analysis, the roof system is failing and further patching would be insufficient to keep moisture out of the arena. A new roof is required. A capital budget amendment and schematic design for the project are on the committee's agenda for May 8, 2014.

Information items are intended to provide the Board of Regents with information needed to perform their oversight responsibilities.

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

Williams Arena Roof Replacement, Project No. 01-050-13-1756

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:

Williams Arena was constructed in 1927. In 1948 the building was remodeled and the current aluminum roof system was installed on the barrel vault. The useful life of the aluminum system was anticipated to have a 60 year life span. The roofing system has been in place for 66 years and is now failing. The project will provide a new aluminum roof system, approximately 119,000 sf, with a 60 year of life span.

Board of Regents Approval Summary:

Capital Budget:	May 2014 – FY14 Capital Budget Amendment
Schematic Plans:	May 2014

Project Team:

Design/Build Architect:	Miller Dunwiddie – Minneapolis, MN
Design/Build Contractor:	M.A. Mortenson – Minneapolis, MN

Project Budget:

Intercollegiate Athletics	\$3,776,500
<u>Repair and Replacement / University Debt</u>	<u>\$3,776,500</u>
Total Project Funds	\$7,553,000

Project Schedule:

Material Procurement:	May 2014
Construction Completion:	September 2014

Consistency of project with approved scope, schedule and budget:

Yes No