

Capital Budget Amendment Core Robotics Lab

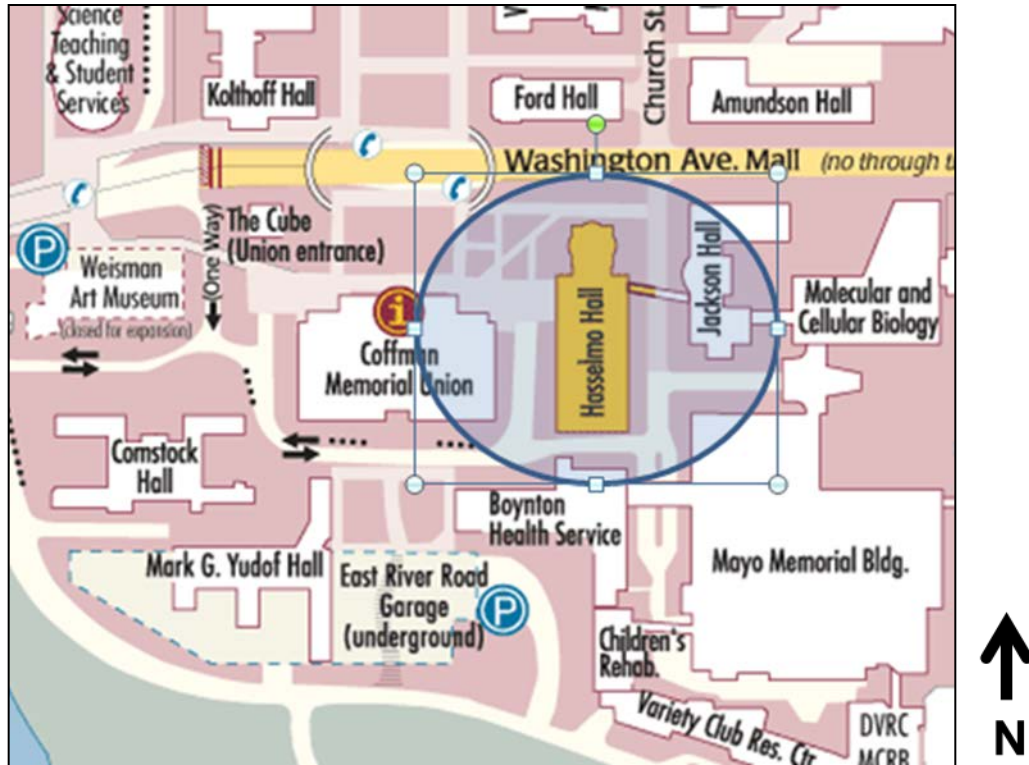
Board of Regents Facilities and Operations Committee
December 12, 2013



UNIVERSITY OF MINNESOTA

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Location Map



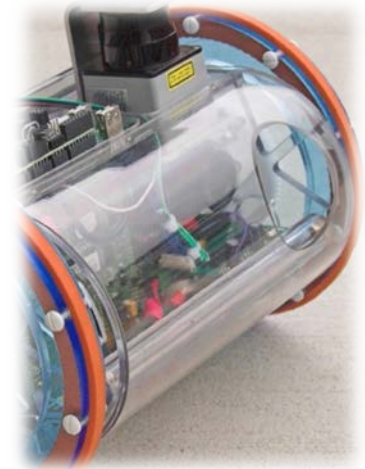
Project Rationale

- MnDRIVE Initiative on Robotics, Sensors and Manufacturing
 - Opportunity to expand the scope and level of excellence of research, education, and outreach
 - Partner with Minnesota industry
- Consolidates portions of 4 labs
 - Walter Library, Keller Hall, Smith Hall, and Mechanical Engineering
- Existing labs are substandard
 - New space provides much-needed infrastructure for advanced robotics research



Project Rationale: Capital Plan Metrics

- Ensure Research Productivity and Impact by:
 - Providing space conducive to the conduct of contemporary research in order to enhance competitiveness
 - Providing regulatory, code, and life safety upgrades for facilities which leverage the highest priority funded research
 - Creating flexible spaces that adapt to new science and research trends
 - Providing research facilities that will allow competitive responses to unique research opportunities aligned with strategic priorities



Project Description

- 4,300 sf research laboratory which includes:
 - Expansion and upgrades to an existing lab on the 1st floor of Nils Hasselmo Hall
 - Minor modifications to the existing floor layout
 - Installation of additional power/voice/data
 - Modifications to sprinkler systems
 - Modifications to HVAC
 - Modifications for security card access



Project Description

- Cost Estimate
 - Construction \$ 759,000
 - Non-construction 141,000
 - **Total Project Cost** **\$ 900,000**

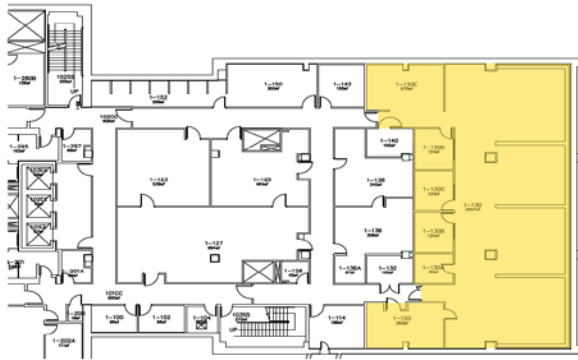
- Capital Funding:
 - MnDRIVE Funding \$ 900,000
 - **Total Approved Project Budget** **\$900,000**



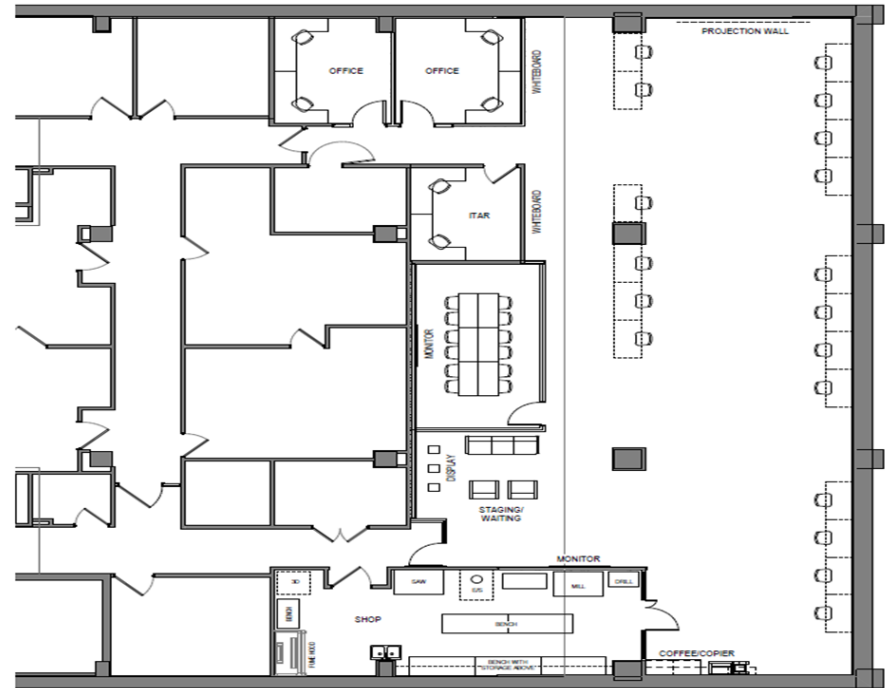
Project Description

- Anticipated Completion:
 - June 2014
- Estimated Annual Operating Costs:
 - No significant change
- Architect:
 - Architectural Alliance
- Project Delivery Method:
 - Design/Bid/Build

Floor Plans – 1st Floor

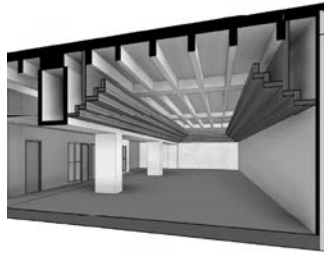


Existing Floor Plan



Proposed Floor Plan

Building Interiors



Existing Ceiling



View towards the west

Proposed Interior

Building Interiors



Proposed Interior



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