



IDEA Lab at the Mardigian Library – Renovation

Joint Capital Outlay Subcommittee  
April 17, 2019

Presented by:  
Domenico Grasso, Chancellor



Project Overview

- Renovate and re-envision 118,000 square foot Mardigian Library Building (MLB).
- Built in 1980 – despite ability to adapt with the times, the building requires a complete renovation.



### Project Overview



- \$30 million in support from the state of Michigan and \$15 million in debt financing and equity.
- IDEA Lab at the Mardigian Library ranked 2<sup>nd</sup> in State Budget Office FY2020 scoring.

### Project Overview: Renovation Focus

- Update major building infrastructure
- Replace building mechanical, electrical and technology systems.
- Resulting building will permit flexibility in design, technology and operation required for students, faculty and staff



IDEA Lab at MLB Concept

### Project Overview: Renovation Focus



- Improve access and safety
- Design based education for the 21st century
  - Innovation
  - Creativity
  - Entrepreneurship
- Enhance student experience and success
- Engage industrial and community partners

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### Existing Conditions – Building Settling



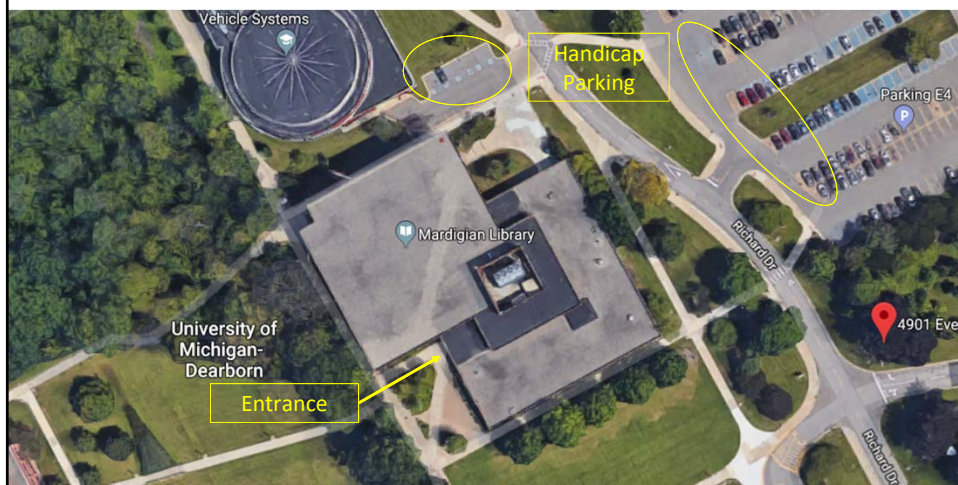
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### Existing Conditions – Building Settling



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### Existing Conditions – Accessibility

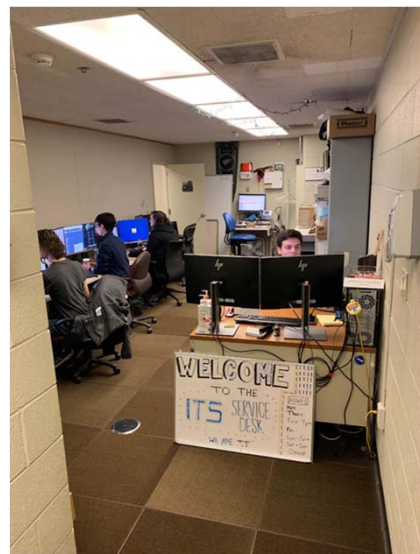


Existing Conditions – Inflexible Space



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Existing Conditions – Inflexible Space

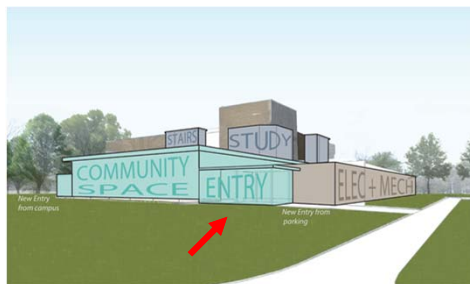


### Existing Conditions – Water Damage



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### Renovation = Opportunity Learning Commons



- Comprehensive library services
- Community spaces
- Graduate student research
- Student group study rooms and collaboration areas

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### Innovation Design Entrepreneurship and Artistry (IDEA Lab)

- Purpose of libraries has changed since 1980
- Skills graduates need to succeed have evolved
- Industry’s interactions with higher education has increased



Olin College Learning/Studio Classroom



Olin College Learning/Studio Classroom

### IDEA Lab – Core Principles

- External partner
- Faculty involvement of multiple colleges
- Interdisciplinary student teams
- Project based
- Staff support



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## IDEA Lab – Examples

### ***Democracy and Social Media***

Courses: COB/Digital Marketing; CASL/Media Law & Ethics; CECS/Computer Science

### ***VR Training for Special Needs Educators***

Courses: CEHHS/Education; CECS/Computer Science; CASL/Logic

### ***Healthy Dearborn/Eastern Market***

Courses: CEHHS/Health; COB/Business Planning; CECS/Engineering

### ***Techno-Trash***

Courses: CASL/Environmental Ethics; CECS/Materials Engineering; COB/Supply Chain Management



Harvey Mudd College – Design Clinic Project

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## IDEA Lab – Learning Outcomes

- Working effectively across disciplines
- Holistic Creativity
- Design thinking
- Experiential learning
- industrial/community interaction
- product/policy design
- Real life communication
- Team work



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Renovation Needs State Support

**\$30 million in support from the state of Michigan**

**and**

**\$15 million in debt financing and equity from UM-Dearborn**