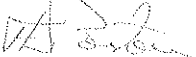


MICHIGAN STATE
U N I V E R S I T Y

August 31, 2011

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Authorization to Plan**
Bio Engineering Facility

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Bio Engineering Facility.

BACKGROUND

Capital Outlay:

Michigan Public Act 329 of 2010 provides capital outlay authorization to plan for the "MSU plant science facilities - bioeconomy additions and renovations" which includes the Bio Engineering Facility. The State share of this project is \$30,000,000. This facility is the highest priority project for MSU within the plant science facilities which will be submitted to the state this November as part of the authorization to plan process.

Program Need:

The construction of the Bio Engineering Facility will provide a unique opportunity to bring together research teams from engineering and biomedical research to promote the development of bio-engineering and engineering health sciences at Michigan State University. These emerging research areas have significant opportunities for increased federal research funding, as well as for technology transfer to the private sector, which can promote the development of a transformational bio-based economy in Michigan. Collaboration between researchers from different disciplines, ranging from chemical engineering, electrical engineering and mechanical engineering to pharmacology, physiology, and radiology, will be essential in the development of new areas of research such as tissue engineering. The new laboratory space will provide research capacity to support new hires and funded researchers in this emerging area, and allow collaborators from different academic units to be co-located. Faculty from the College of Engineering, College of Human



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Medicine, and the College of Natural Science will be the primary occupants of the building. Additional benefits will be realized if the placement of the Bio Engineering Facility is adjacent to the Clinical Center, Life Sciences, and the Radiology buildings.

General Description of the Project:

The planning of this project is anticipated to include construction of a new bio engineering facility which is anticipated to connect with Life Science and the Clinical Center C-Wing. The facility will maximize research space in an open or modular lab layout with support rooms that house specialized and shared equipment, procedure rooms, offices, and informal gathering space. It would take advantage of core research resources in the adjacent buildings where possible.

The project would be located south of Life Science and Clinical Center in the South Academic District. The location of this project is consistent with the Campus Master Plan and Planning Principles.

Communication Plan:

During the planning phase, the campus community will be given opportunities to provide feedback on the project as it is being designed. Input from the project planning team will be solicited during the design phase.

Preliminary Project Cost Information:

Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate is \$40,000,000. This estimate may change as planning progresses and the project scope is further defined.

The source of funds for this project is expected to be a combination of State of Michigan Capital Outlay funding and tax exempt financing with repayment from the General Fund.

cc: D. Brower, R. Flinn, J. Kacos, G. Klein, B. Kranz, K. Lindahl, M. McCabe,
J. Mumma, R. Nestle, D. Quinney, B. Kranz, R. Patterson, L. Adams

Authorization to Plan Bio Engineering Facility

MICHIGAN STATE
UNIVERSITY

Proposed
project area

