


MICHIGAN STATE
UNIVERSITY

June 7, 2010

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Authorization to Plan**
Cyclotron Building - New High Bay Addition

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Cyclotron Building - New High Bay Addition.

BACKGROUND

Program Need:

The National Superconducting Cyclotron Laboratory (NSCL) planned upgrade of the ReA3 superconducting linear accelerator to ReA12 will provide world-unique beams of rare isotopes above the Coulomb barrier and is strongly supported by the NSCL/FRIB user community. This new capability requires a new suite of complementary experimental equipment. The proposed high bay will house the new experimental equipment and beam lines, and in the long term, it will house parts of the upgraded reaccelerator.

General Description of the Project:

The planning of this project is anticipated to include an extension at the east end of the existing NSCL main crane bay and a new experimental systems crane bay north of the new main crane structure and east of the low energy experimental research addition area (phase I). The higher energy beams from the ReA12 accelerator require more shielding. The resulting floor loading specifications and the need to lift heavy equipment and shielding blocks necessitate an overhead crane.

The Cyclotron building is located on the southwest corner of Bogue Street and Shaw Lane in the Central Academic District. The location of this project is consistent with the Campus Master Plan and Planning Principles.



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Based on an assessment of the factors stated in the Project Planning and Approval process concerning Project Labor Agreements (PLA), the Vice President for Finance and Operations and Treasurer has determined that a PLA would not be required for this project.

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 \$5,000,000. 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 from tax-exempt financing with debt repayment from NSCL resources.

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

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