

MICHIGAN STATE
UNIVERSITY

September 8, 2010

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Project Approval - Authorization to Proceed**
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 proceed with the project entitled Cyclotron Building - New High Bay Addition, and to approve a budget of \$5,400,000.

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 will require a new suite of complementary experimental equipment. In the long term, the proposed high bay addition will house parts of the upgraded reaccelerator as well as its new experimental equipment and beam lines. The higher energy beams from ReA12 (compared to ReA3) require more shielding. The shielding block requirements, the floor loading conditions, and the necessity of lifting heavy equipment will also require the installation of an overhead crane.

Description of the Project:

The Cyclotron building is located on the southwest corner of Bogue Street and Shaw Lane in the Central Academic District. This project involves 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 phase 1 low energy experimental area.

The Architect/Engineer is URS Great Lakes. The Construction Manager is Skanska Building USA.



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Communication Feedback:

The campus community was given opportunities to provide feedback during the planning phase; concerns have been addressed in the project design.

The Office of Campus Planning and Administration has reviewed this project and found it to be consistent with the Campus Master Plan and Planning Principles. The Campus Infrastructure Planning Work Group also supports the recommendation to proceed with the project.

As construction proceeds, the schedule and phasing will be reviewed with the campus community.

Project Cost and Timetable:

The budget for this Construction Manager project is \$5,400,000. The source of funds for this project is from tax-exempt financing with debt repayment from the General Fund.

Construction is planned to begin in October 2010 and will be substantially complete by September 2011, with final completion by October 2012.

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