

MICHIGAN STATE UNIVERSITY

June 8, 2012

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Authorization to Plan**
Facility for Rare Isotope Beams - New High Bay

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Facility for Rare Isotope Beams - New High Bay.

BACKGROUND

Program Need:

To accommodate the aggressive construction schedule planned for the Facility for Rare Isotope Beams, there is an immediate need to create space for assembly and testing of the technical equipment that will be installed in the facility. This is a part of the overall facility master plan.

General Description of the Project:

The planning of this project is anticipated to include a new 19,000 square foot high bay, which will be used to house superconducting radio frequency technical facilities at MSU including the following designated areas: incoming accelerating structures (cavity) QA and inspection, cavity hydrogen de-gassing furnace, cavity processing and cold-mass assembly facilities, power coupler conditioning, vertical cavity test area, cryomodule test facility, test facility control room, and cryogenic systems. This will yield an integrated and more consolidated base of operations improving superconducting cavity and cold mass production and production cavity and cryomodule test efficiency.

The Facility for Rare Isotope Beams is located near the intersection of Shaw Lane and Bogue Street in the central academic district. The location of this project is consistent with the Campus Master Plan and Planning Principles. Bogue Street, including numerous mature oak, maple, and pine trees, will be impacted by the construction of this High Bay.



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Authorization to plan for partial closure of Bogue Street was authorized in January 2012 and will be approved when this project proceeds.

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 \$10,000,000. This estimate may change as planning progresses and the project scope is further defined.

The source of funds for the project is expected to be tax exempt financing with debt repayment from the Office of the Provost and the National Superconducting Cyclotron Laboratory.

cc: R. Flinn, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta, K. Lindahl,
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