

**MICHIGAN STATE**  
**UNIVERSITY**

January 16, 2013

**MEMORANDUM**

**To:** Trustee Finance Committee

**From:** Ronald T. Flinn *RTF*  
Vice President for Strategic Infrastructure Planning and Facilities

**Subject:** **Authorization to Plan**  
North Campus Infrastructure Improvements -  
West Circle Drive - 2014

**RECOMMENDATION**

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled North Campus Infrastructure Improvements - West Circle Drive - 2014.



**OFFICE OF THE  
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**BACKGROUND**  
**Program Need:**

The north campus arch-style steam tunnels are 87 to 102 years old and have significantly deteriorated. The structural anchors, pipe supports, and steam equipment within these tunnels are severely deteriorated and require replacement or repair for safe and reliable operation of the steam distribution system. Communication lines are in the same tunnels as steam and condensate return lines, which is not optimal. The existing electrical duct bank is currently full, requiring additional ducts be installed for future electrical improvements to this region of campus.

**General Description of the Project:**

This project is the third of a four-phase program, and is anticipated to include replacing the deteriorating north campus steam tunnels and building service leads; increasing the steam distribution mains to the region; increasing steam line capacity and converting the condensate return from a vacuum system to a pressure return; upgrading the steam service to all buildings in the project area; removing the vacuum return system from the north campus substation; and reconstruct West Circle Drive from Auditorium Road to East Circle Drive (Linton Hall Service Drive). The project will also install additional communication and electrical ducts, and reconstruct a segment of West Circle Drive in accordance

with the campus master plan, providing appropriate vehicular, pedestrian, and bicyclist safety improvements.

This project is centered along West Circle Drive from Auditorium Road north to Linton Hall, near the intersection with East Circle Drive. This is a Just-In-Time maintenance project and is consistent with the Campus Master Plan.

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 \$14,900,000. 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 a combination of university utility and infrastructure funds and tax-exempt financing with debt repayment from utility and infrastructure reserve accounts.

cc: R. Flinn, V. Gore, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta,  
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