

MICHIGAN STATE UNIVERSITY

June 11, 2014

MEMORANDUM

To: Trustee Finance Committee

From: Kemel W. Dawkins 
Vice President for Strategic Infrastructure Planning and Facilities

Subject: **Project Approval - Authorization to Proceed**
Kellogg Center - Replace Absorption Chilled Water System

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to proceed with the project entitled Kellogg Center - Replace Absorption Chilled Water System, and that it approve a budget of \$2,700,000.



Office of the
Vice President
for Strategic
Infrastructure
Planning and
Facilities

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BACKGROUND

Program Need:

The existing steam absorption chiller serving the Kellogg Hotel and Conference Center has reached the end of its useful life. In order to maintain hotel, conference, and academic operations, this chiller must be replaced. Environmental stewardship is a fundamental component of the Residential and Hospitality Services values of social responsibility. The new electric chiller will be significantly more efficient than the one it replaces, thus, the project promotes environmental stewardship by reducing total energy used.

Description of the Project:

The Kellogg Center is located on Harrison Road in the residential district. This project involves removing the existing steam absorption chiller and replacing it with a modular electric chiller in the existing mechanical room. This new multi-stack unit will allow for on demand cooling load, reducing the energy required to produce cooling. The system will also use a heat recovery system to generate domestic hot water. The Kellogg Center will remain in operation throughout the project.

The Architect/Engineer is URS Corporation. MSU Engineering and Architectural Services will act as Construction Manager for this project.

Communication Feedback:

The campus community was given opportunities to provide feedback during the planning phase and any 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. The Campus Infrastructure Planning Work Group also supports the recommendation to proceed with the project.

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

Project Cost and Timetable:

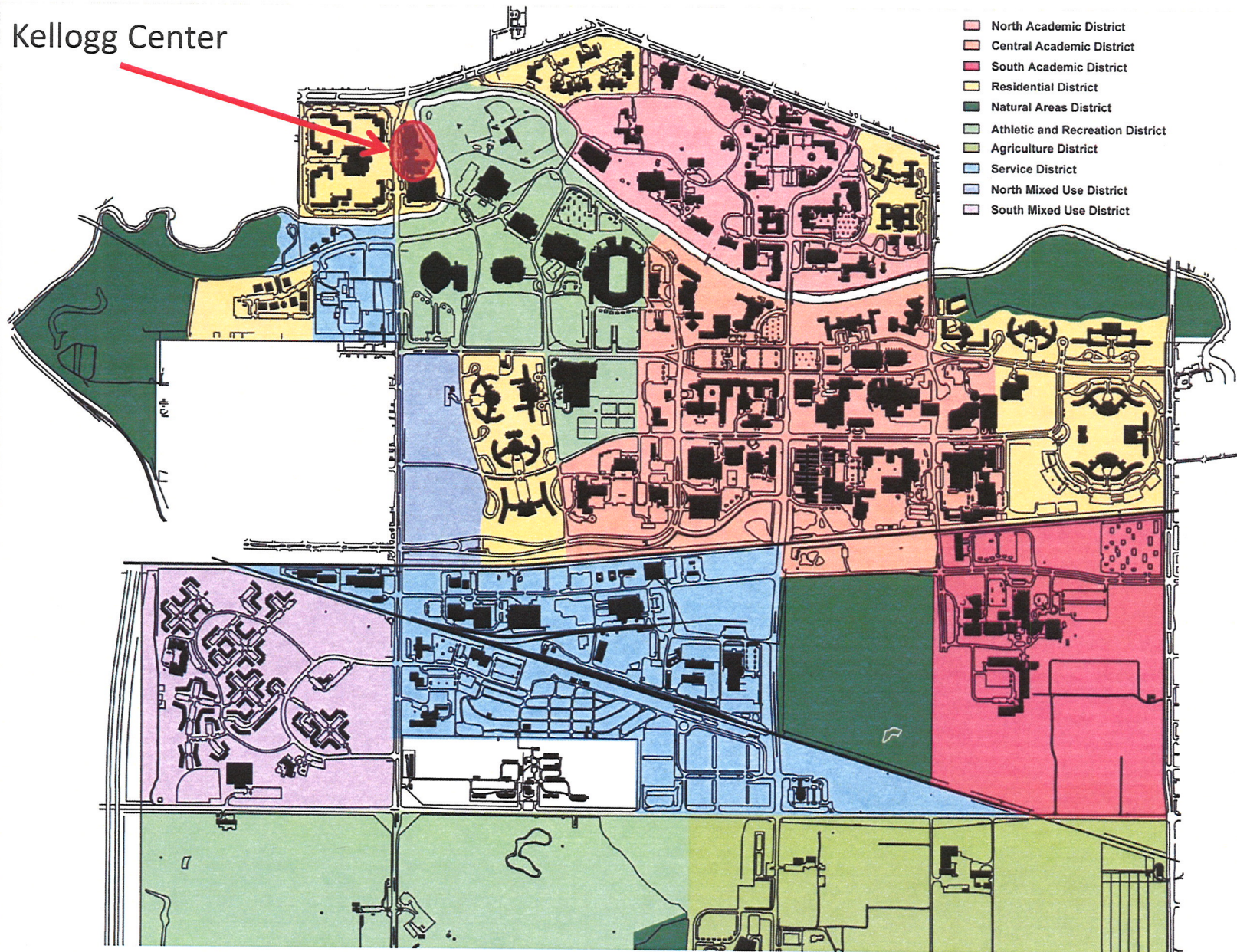
The budget for this Construction Manager project is \$2,700,000, which is being funded by Residential and Hospitality Services - deferred maintenance.

Construction is planned to begin in October 2014, with substantial completion in April 2015, and final completion in November 2015.

cc: L. Simon, J. Youatt, S. Udpa, B. Beekman, B. Noto, K. Dawkins,
V. Gore, M. Haas, J. Kacos, G. Klein, B. Kranz, M. McCabe, J. Mumma,
D. Quinney, J. Heberlein

Project Approval – Authorization to Proceed
Kellogg Center - Replace Absorption Chilled Water System

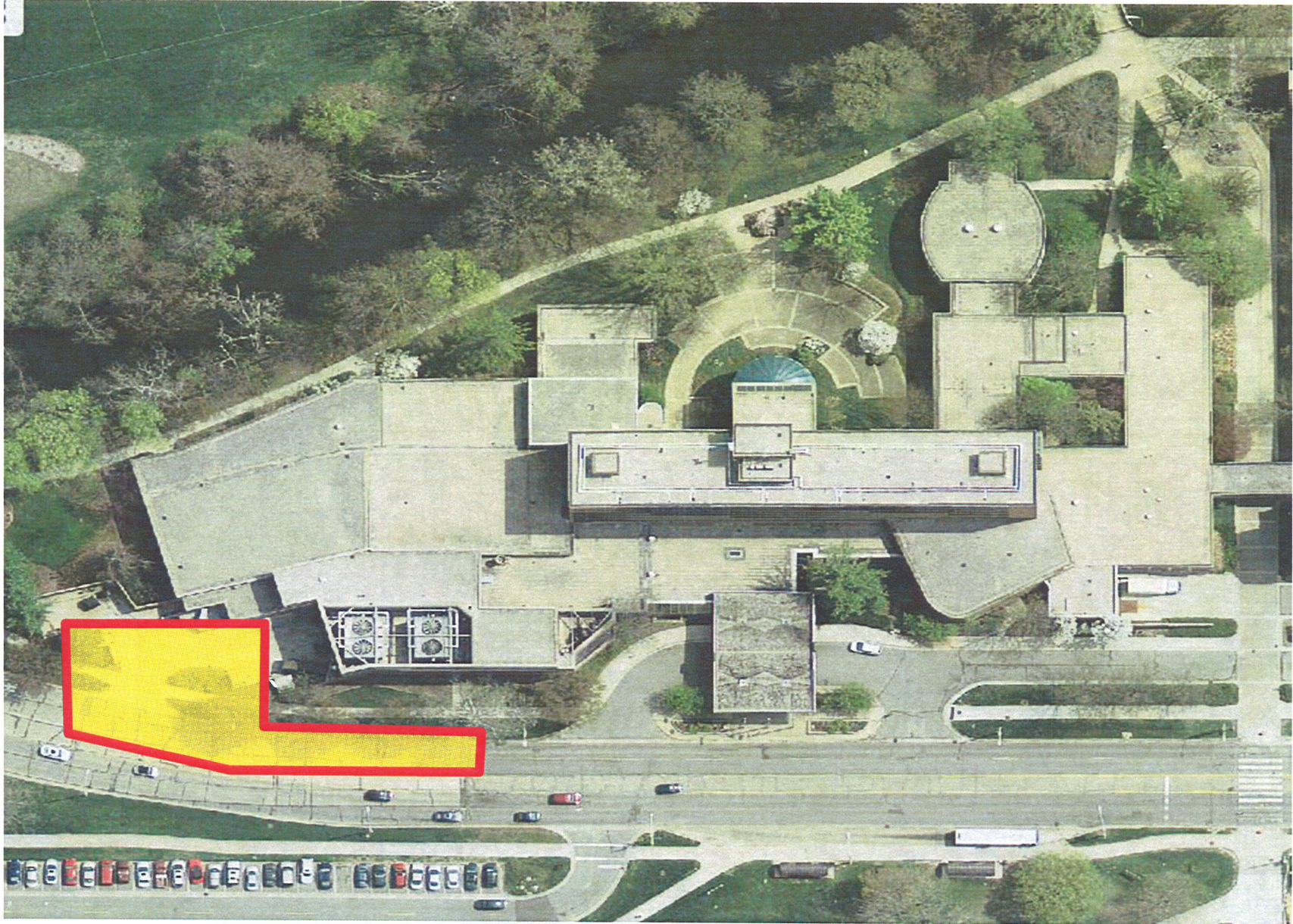
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Kellogg Center - Replace Absorption Chilled Water System

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Site plan – project will require night-time lane closures for cooling tower removal



MICHIGAN STATE UNIVERSITY

January 22, 2014

MEMORANDUM



To: Trustee Finance Committee

From: Kemel W. Dawkins 
Vice President for Strategic Infrastructure Planning and Facilities

Subject: **Authorization to Plan**
Kellogg Center - Replace Absorption Chilled Water System

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Kellogg Center - Replace Absorption Chilled Water System.



BACKGROUND

Program Need:

The existing steam absorption chiller serving the Kellogg Hotel and Conference Center has reached the end of its useful life. In order to maintain hotel, conference, and academic operations this chiller must be replaced.

General Description of the Project:

The planning of this project is anticipated to include removing the existing steam absorption chiller and replacing it with a modular electric chiller in the existing mechanical room. Any Just-In-Time needs will also be reviewed as part of the planning process.

The Kellogg Center is located on Harrison Road in the residential district. The location of this project 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 Strategic Infrastructure Planning and Facilities has determined that a PLA would not be required for this project.

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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 \$2,700,000. 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 the Residential and Hospitality Services - deferred maintenance.

cc: K. Dawkins, V. Gore, M. Haas, J. Kacos, G. Klein, B. Kranz, B. Latta,
M. McCabe, J. Mumma, R. Nestle, D. Quinney, S. Udpa, D. Barker

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