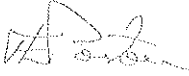


MICHIGAN STATE
UNIVERSITY

February 2, 2011

MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Project Approval - Authorization to Proceed**
Steam Distribution - Replace Deteriorated Steam Service to
Spartan Stadium and Central Services

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to proceed with the project entitled Steam Distribution - Replace Deteriorated Steam Service to Spartan Stadium and Central Services, and to approve a budget of \$3,600,000.



OFFICE OF THE
VICE PRESIDENT FOR
FINANCE AND
OPERATIONS

Fred L. Poston
Vice President and
Treasurer

Michigan State University
412 Administration Building
East Lansing, Michigan
48824-1046

Phone 517.355.5014
Fax 517.353.6772
www.vplo.msu.edu

BACKGROUND

Program Need:

The direct buried steam and condensate return lines that service Spartan Stadium and Central Services are deteriorating. These improvements will increase the reliability of the steam service, which provides building heat and water.

Description of the Project:

The Steam Distribution System is located along the southeast corner of Spartan Stadium, south of Central Services to just north of Shaw Lane, in the athletic and recreation district. This project involves replacing the deteriorated direct buried steam and condensate return services with a new tunnel to Spartan Stadium and new direct buried steam service to Central Services.

The Architect/Engineer is Fishbeck, Thompson, Carr, & Huber Inc. The Construction Manager is Irish Construction Company.

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 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 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 \$3,600,000, which is being funded by the General Fund - Just-in-Time.

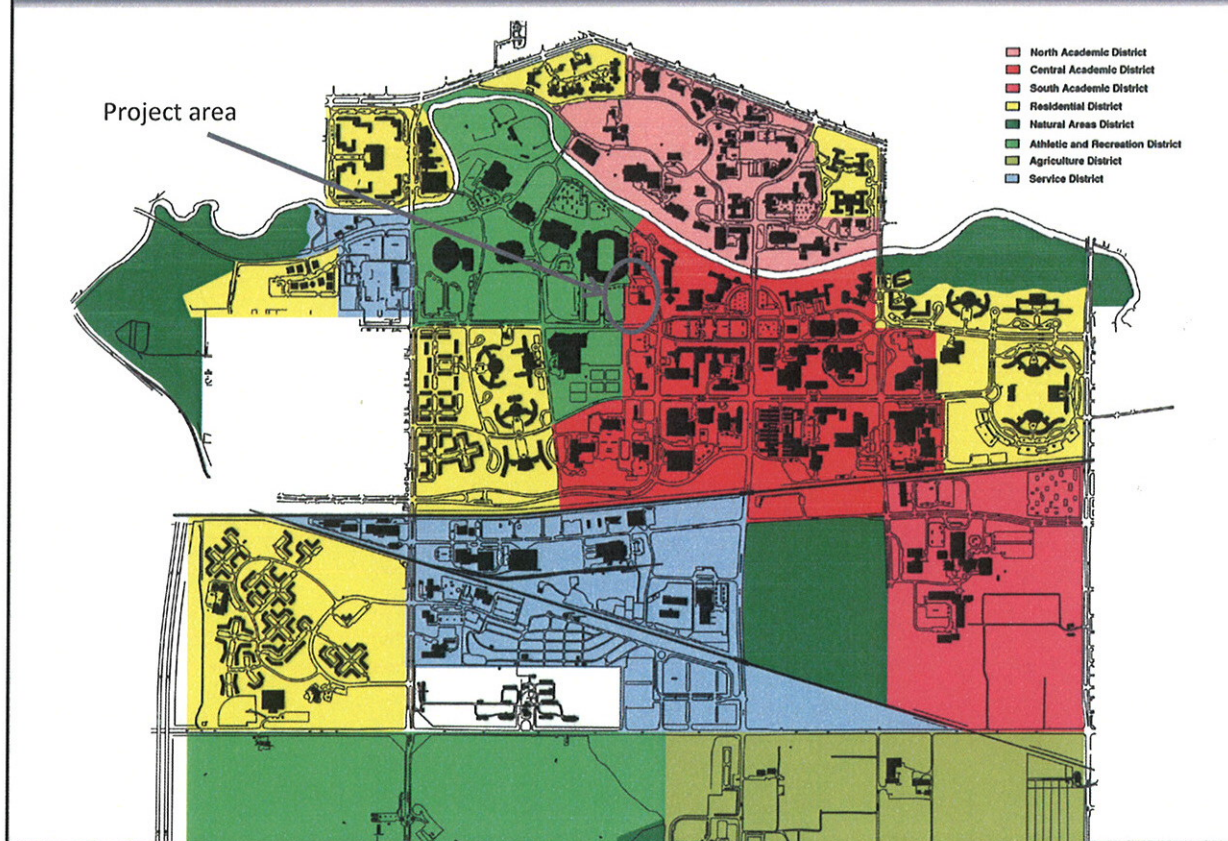
Construction is planned to begin in March 2011, with substantial completion in August 2011, and final completion in September 2012.

cc: D. Brower, R. Flinn, J. Kacos, G. Klein, B. Kranz, K. Lindahl, M. McCabe,
J. Mumma, R. Nestle, D. Quinney, K. Neils

CP07089

Project Approval – Authorization to Proceed
Steam Distribution – Replace Deteriorated Steam Service to Spartan Stadium
and Central Services

MICHIGAN STATE
UNIVERSITY







Project Approval – Authorization to Proceed
Steam Distribution – Replace Deteriorated Steam Service to Spartan Stadium
and Central Services

STEAM DISTRIBUTION SYSTEM

Steam Distribution - Replace existing Steam Service to Spartan Stadium and Central Services, CP07089
Estimated Project Cost: \$3.6 million
Installed: 1970's (RICWIL Direct Buried Pipe)
Existing Direct Service: Shown in Blue Dashed Line (within the bubbled area)
Proposed Replacement Steam Service: Shown in Maroon Line (within the bubbled area). Solid Line for Crawl Tunnel and a dashed line for direct buried lines.

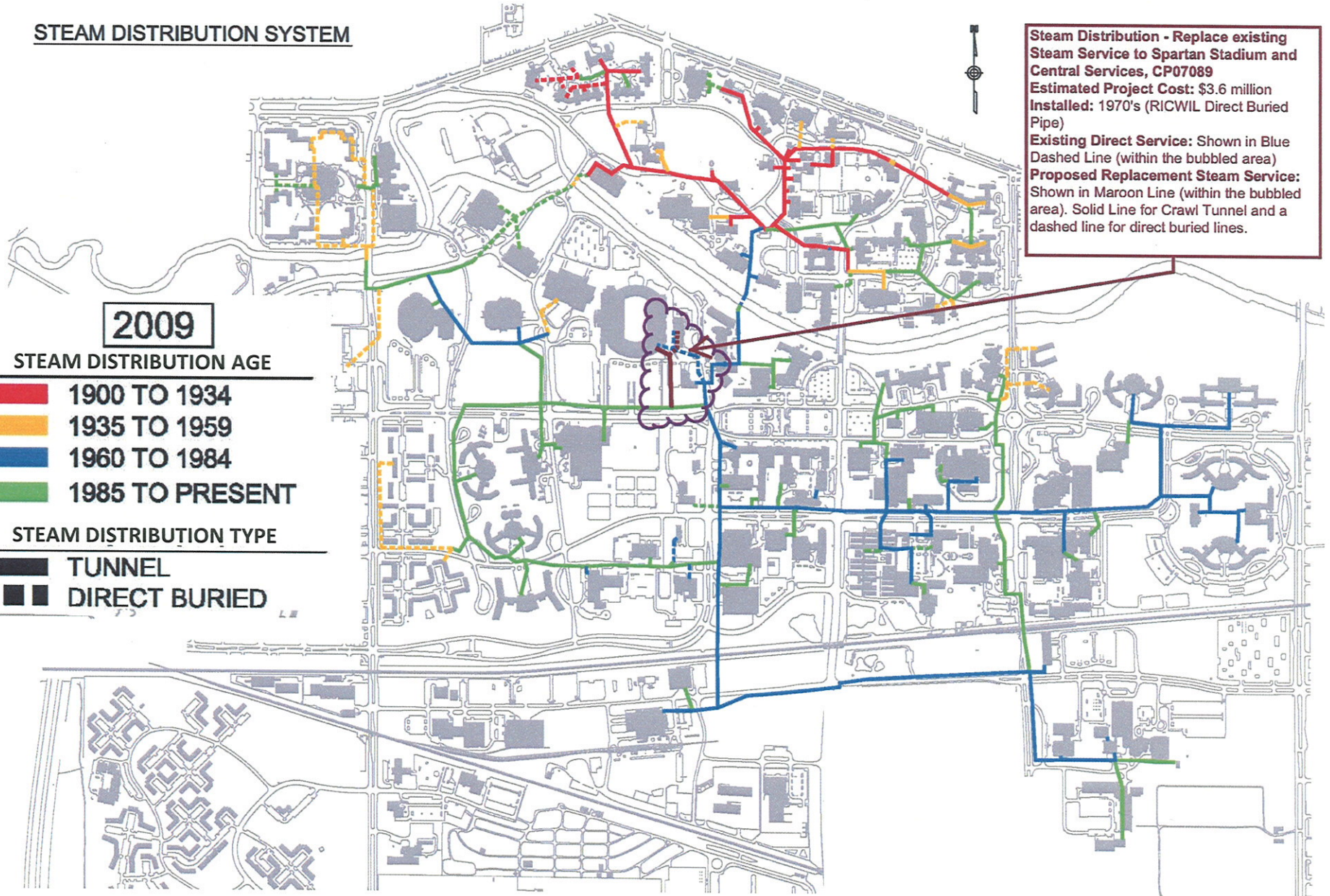
2009

STEAM DISTRIBUTION AGE

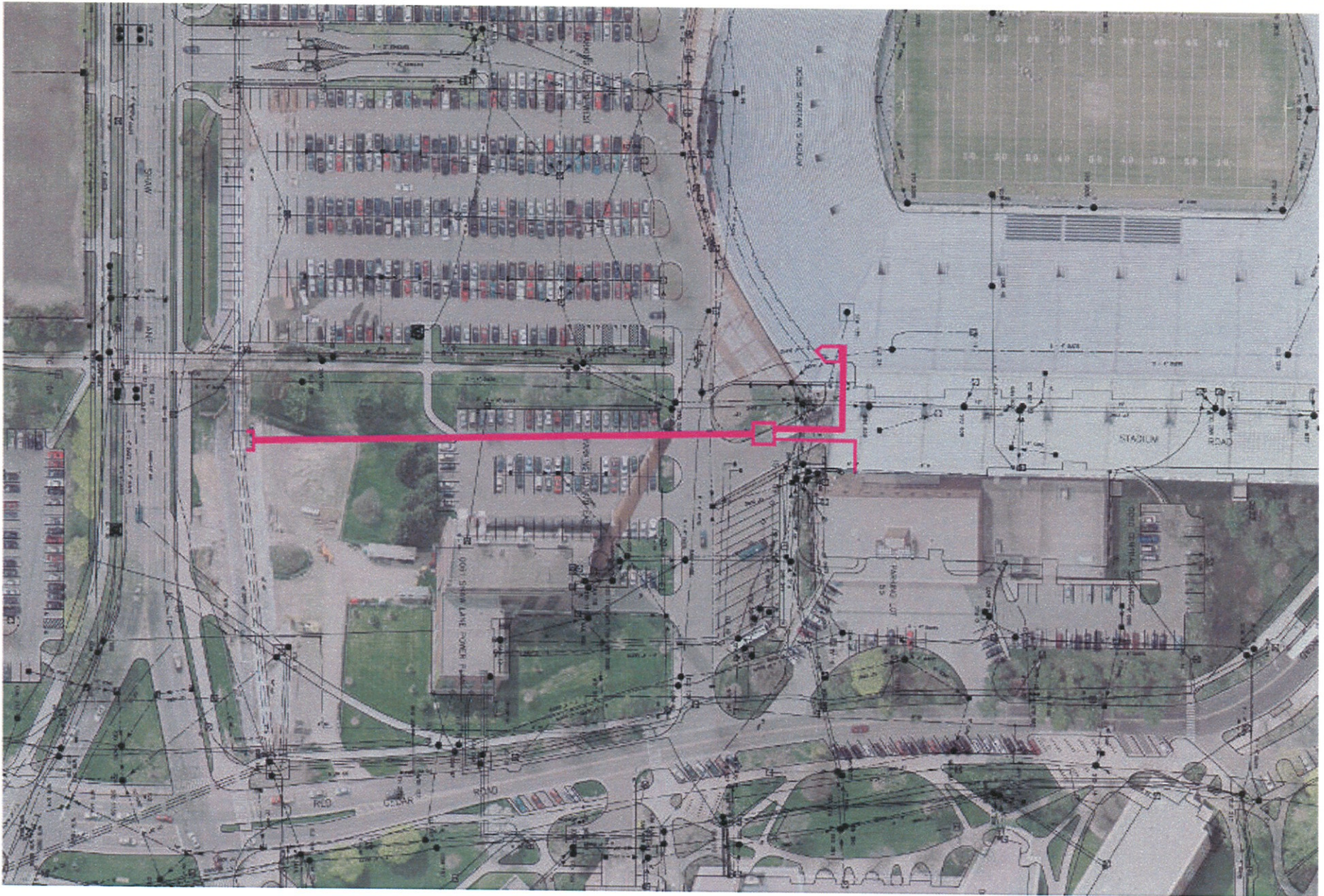
-  1900 TO 1934
-  1935 TO 1959
-  1960 TO 1984
-  1985 TO PRESENT

STEAM DISTRIBUTION TYPE

-  TUNNEL
-  DIRECT BURIED



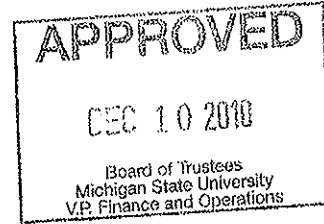
Project Approval – Authorization to Proceed
Steam Distribution – Replace Deteriorated Steam Service to Spartan Stadium
and Central Services



Background Information

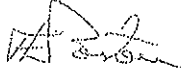
**MICHIGAN STATE
UNIVERSITY**

December 1, 2010



MEMORANDUM

To: Trustee Finance Committee

From: Fred L. Poston 

Subject: **Authorization to Plan**
Steam Distribution - Replace Deteriorated Steam Service to Spartan Stadium and Central Services

RECOMMENDATION

BE IT RESOLVED that the Trustee Finance Committee recommends that the Board of Trustees authorize the Administration to plan for the project entitled Steam Distribution - Replace Deteriorated Steam Service to Spartan Stadium and Central Services.

BACKGROUND

Program Need:

The direct buried steam and condensate return lines that service Spartan Stadium and Central Services are deteriorating. These improvements will increase the reliability of the steam service, which provides building heat and hot water.

General Description of the Project:

The planning of this project is anticipated to include replacement of the deteriorated direct-buried steam and condensate return services with a new steam crawl tunnel going to Spartan Stadium and new direct-buried steam service to the Central Services Building.

The steam tunnel is located at the southeast corner of Spartan Stadium and south of Central Services, just north of Shaw Lane in the athletic and recreation district. This is a Just-In-Time maintenance project and is consistent with the Campus Master Plan and Planning Principles.

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.



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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 \$3,600,000. 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 from Just-In-Time.

cc: D. Brower, R. Flinn, J. Kacos, G. Klein, B. Kranz, K. Lindahl, M. McCabe,
J. Mumma, R. Nestle, D. Quinney, K. Neils, S. Gardner

CP07089