

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:

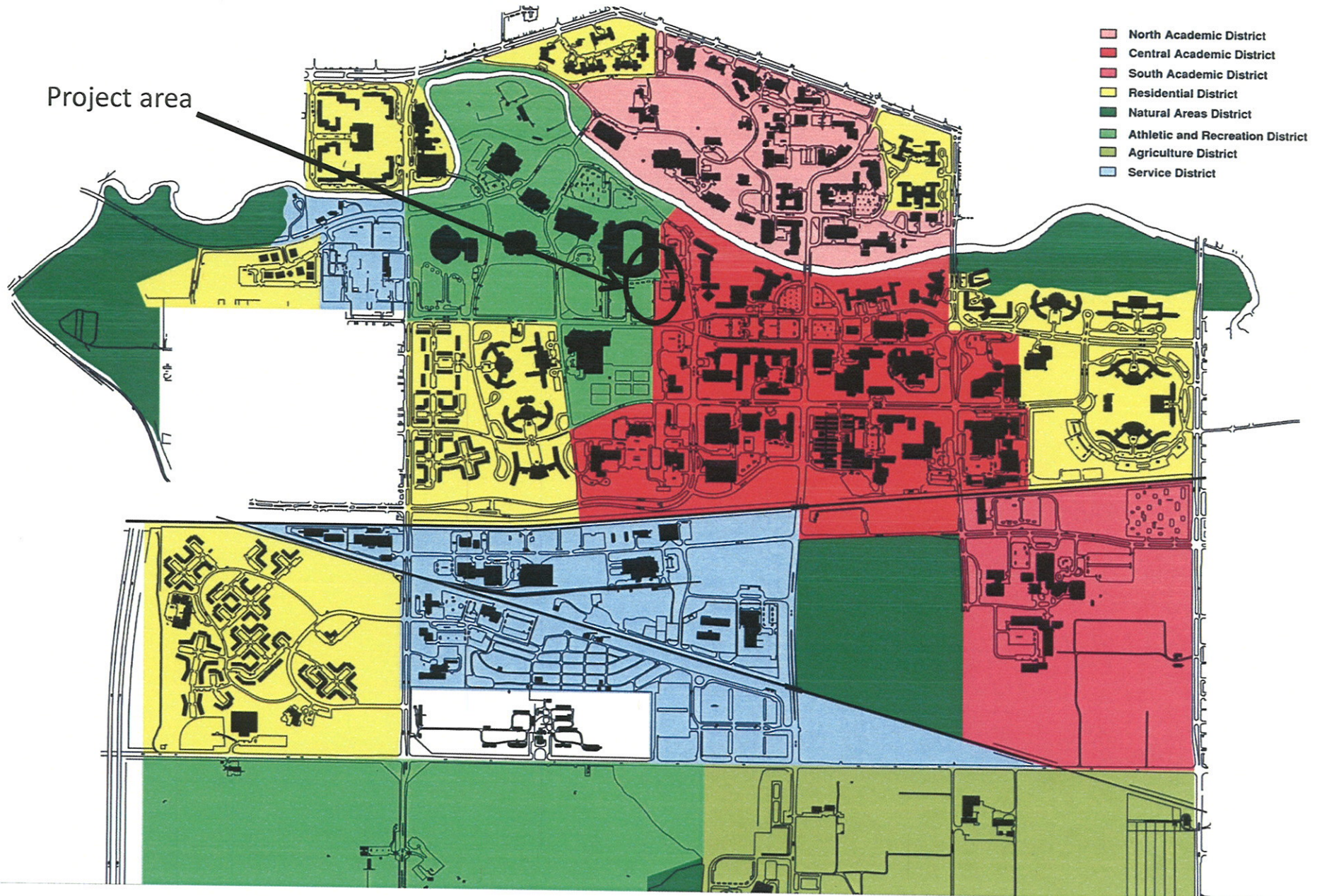
Based on cost experience for similar projects and current pricing information, the preliminary project cost estimate is \$3,600,000. This estimate may change as planning progresses and the project scope is further defined.

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

Authorization to Plan
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

