



**Project Description and Scope:**

Project work includes replacing approximately 1,000 LF of underground steam and pumped condensate return lines between pits 1-3 and reconstructing pit 1A with electrical power for lighting and sump pumps. Pit 2, located within the proposed project area was previously reconstructed (17E2E-01). The replacement utility lines will be installed in direct – buried, pre-insulated pipe packages. Sections of road, pedestrian walkway, patio area and landscape will be replaced. The utility path crosses Starin Rd, which runs east west through campus and is owned by the City of Whitewater. All design, construction and road closures will be coordinated with the City. The project area runs between Fischer and Ma'iingan Hall South in front of Goodhue, Moraine Bookstore and crosses Starin near the primary Starin Crosswalk (Between Upham and Hyland)

**Project Justification:**

Within the concrete box conduit, the condensate is deteriorating and leaking. During reconstruction of Pit 2, it was noted that the box conduit is being infiltrated with ground water and is in poor condition. Replacement of the condensate line without replacing the box conduit is not recommended as the ground water in the box conduit will again deteriorate the piping along with the insulation on the steam and condensate lines. Pit 1A is also in poor shape due to the age and past flooding instances. The pit walls are cracking and collapsing. The current electrical service does not meet current code requirements and creates an unsafe condition. There is no permanent lighting for the space and the access ladder is unsafe and rusting. This project is required to assure the adequacy of the steam supply throughout the campus for area heating and production of domestic hot water. This utility piping is one of the few remaining sections of the distribution system that have not been replaced since its original installation. Replacing this section of the distribution system will maintain reliable supply of steam to campus.

**Issues/Concerns:**

**Estimated Project Costs:**

Construction	\$1,915,000
Equipment/Other	\$000
Design Fees	\$170,800
Management Fees	\$88,200
Contingency	\$290,000
<b>Total Project:</b>	<b>\$2,464,000</b>

**Operating Budget Impact:**

Custodial Staff	
Maintenance Staff/Expenses	\$000
Utility	\$000
Other	
<b>Annual Operational Impact:</b>	<b>\$000</b>

**Funding:**

General Fund Supported Borrowing	\$1,355,200
Program Revenue Supported Borrowing	\$1,108,800
Building Trust Funds	
Gifts and Grants	\$000
Program Revenue Cash	\$000
<b>Total:</b>	<b>\$2,464,000</b>

**Proposed Timeline:**

State Enumeration:	NA
A/E Selection:	December 2023
35% Design Report:	
Bid Date:	Multiple Bid
Start Construction:	May 2025
Substantial Completion:	August 2025