

All Agency Project Request

2009 - 2011 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Madison	285-0A-9920	Utility - Site Mechanical

<u>Project No.</u>	10I3F	<u>Project Title</u>	Pits 56/10-58/10 Box Conduit Repl
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Project Intent

This project replaces the concrete box conduit and associated steam, condensate, and compressed air piping under Linden Drive, and rebuilds steam pits 56/10 and 58/10.

Project Description

Project work includes rebuilding and enlarging steam pit 56/10 on the north side of Linden Drive near Russell Laboratories, replacing 60 LF of concrete box conduit from steam pit 56/10 to the utility tunnel, and enlarging steam pit 58/10 to the south so a raised/vented access can be constructed in the terrace north of Babcock Hall. Piping will be reconfigured in steam pit 58/10 with the addition of new valves to serve utilities routed to Babcock Hall from either the east or the west. The roof of steam pit 58/10 will be replaced during the enlarging of the steam pit and the eductor and eductor piping will be relocated to the new raised/vented access location.

All areas disturbed by the project will be fully restored, including roadways and associated gutters, sidewalks, landscaping features, and site structures.

Project Justification

The steam, condensate, and compressed air piping is routed under the street in a concrete box conduit that has deteriorated beyond repair. The concrete box conduit is relatively shallow and has previously been filled with engineered fill to keep the road and box conduit from collapsing. Accessing steam pit 56/10 for maintenance purposes is difficult due to its size and the three branches of piping connecting to it. The access grating for steam pit 58/10 is located at-grade in the sidewalk on the north side of Babcock Hall. Exposure to the elements has allowed the corrosion of the grating and the piping below. In the winter, the heat from the steam pit melts the snow and at times creates ice on the sidewalk. The access grating is also a slipping hazard.

A/E Consultant Requirements

Consultants should have specific expertise and experience in the design and coordination of underground utilities, including steam, condensate, compressed air, electrical and signal, sewer and water piping as part of a design team. Work includes site surveys, acquiring field data, and verifying as-built conditions to assure accurate development of design and bidding documents, and production of necessary design and bidding documents. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

A/E Selection Required?

Commissioning

- Level 1
- Level 2

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Project Budget

Construction Cost:	\$442,800
Haz Mats:	\$0
Construction Total:	\$442,800
Contingency: 15%	\$66,400
A/E Design Fees: 8%	\$35,400
DFD Mgmt Fees: 4%	\$20,400
Equipment/Other:	\$0
	\$565,000

Funding Source

GFSB - Utilities Repair & Renovation [Z080]	\$423,800
PRSB - []	\$0
Agency/Institution Cash [AGF0]	\$141,200
Gifts	\$0
Grants	\$0
Building Trust Funds [BTF]	\$0
Other Funding Source	\$0
	\$565,000

Project Schedule

SBC Approval: 11/2010
 A/E Selection: 12/2010
 Bid Opening: 04/2011
 Construction Start: 06/2011
 Substantial Completion: 09/2011
 Project Close Out: 12/2011

Project Contact

Contact Name: Steve Gullick
 Email: <sgullick@fpm.wisc.edu>
 Telephone No.: (608) 262-3331 x

Project Scope Consideration Checklist

- | | <u>Y</u> | <u>N</u> |
|---|-------------------------------------|-------------------------------------|
| 1. Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction.

All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Is the project an extension of another authorized project? If so, provide the project #... | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled?

Hazardous materials abatement is not anticipated on this project. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos & Lead Management System (WALMS) < http://walms.doa.state.wi.us/ >. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Will the project impact on the utility capacities supplying the building? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Will the project impact the heating plant or the primary electrical system supplying the campus or institution? If yes, to what extent? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III?
Type III. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 8. Is the project affected by historic status? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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9. Are there any other issues affecting the cost or status of this project?

10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution.

Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.