

All Agency Project Request

2009 - 2011 Biennium

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|---------------------------|---------------------------|-----------------------------|-----------------------------|
| <u>Agency</u> | <u>Institution</u> | <u>Building No.</u> | <u>Building Name</u> |
| University of Wisconsin | Platteville | 285-0H-0007A | WILLIAMS FIELDHOUSE |
| <u>Project No.</u> | 11C2G | <u>Project Title</u> | Williams FH Pool Eqpt Repl |

Project Intent

This project provides pre-design services to completely replace the swimming pool equipment and reconfigure and replace the main campus low pressure steam supply into Williams Fieldhouse. Both the swimming pool equipment and main steam service to the building are anticipated to fail prior to the pending construction of the Williams Fieldhouse Phase 2 project (10C1J), which will include a new campus natatorium.

Project Description

Project work includes replacing the 150,000 gallon swimming pool plumbing and diatomaceous earth filtration systems, including pumps, motors, piping, and valves located in Mechanical Room 01. The main low pressure steam service will also be reconfigured and replaced to accommodate the new pool equipment configuration and layout.

Project Justification

Williams Fieldhouse (72,421 GSF) and the original natatorium were constructed in 1961, and the plumbing and filtration systems are original to the facility. The swimming pool serves the Physical Education and campus recreation programs. The plumbing system has numerous leaks and requires almost constant repairs. Flow control is difficult due to original system design and deterioration of the equipment. The diatomaceous earth filtration system is failing and is not a self-contained design, which results in a hazardous respiratory condition of the diatomaceous earth being airborne throughout the mechanical room. The main low pressure steam service consists of exposed piping and valves. The steam service is also original to the facility and has significant deterioration, including pipe support standards which have rusted through.

A/E Consultant Requirements

Consultants should have specific expertise and experience in the design and coordination of swimming pool plumbing and filtration systems and institutional facility steam systems 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.

The consultant will verify project scope and budget estimates, and recommend modifications as required to complete the specified project intent. The consultant will prepare a 35% Design Report to establish an appropriate project scope and budget estimate prior to the university seeking construction approval.

A/E Selection Required?

Commissioning

- Level 1
 Level 2

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Project Budget

| | | | |
|---------------------|-----|-----------|--|
| Construction Cost: | | \$538,000 | |
| Haz Mats: | | \$0 | |
| Construction Total: | | \$538,000 | |
| Contingency: | 15% | \$81,200 | |
| A/E Design Fees: | 8% | \$43,000 | |
| DFD Mgmt Fees: | 4% | \$24,800 | |
| Equipment/Other: | | \$0 | |
| | | \$687,000 | |

Funding Source

| | |
|---|-----------|
| GFSB - [] | \$0 |
| PRSB - Facilities Maintenance & Renovation [T550] | \$687,000 |
| Agency/Institution Cash [] | \$0 |
| Gifts | \$0 |
| Grants | \$0 |
| Building Trust Funds [BTF] | \$0 |
| Other Funding Source | \$0 |
| | \$687,000 |

Project Schedule

SBC Approval: 11/2011
 A/E Selection: 05/2011
 Bid Opening: 03/2012
 Construction Start: 05/2012
 Substantial Completion: 08/2012
 Project Close Out: 12/2012

Project Contact

Contact Name: Douglas W. Stephens
 Email: <stephens@uwplatt.edu>
 Telephone No.: (608) 342-1147 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 checked="" type="checkbox"/> | <input 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 environmental survey inventory data is 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? Yes. When the steam supply service to the building is relocated through this project, the steam service will temporarily be disrupted (impact will be temporary interruption of domestic hot water). | <input checked="" type="checkbox"/> | <input 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"/> |

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8. Is the project affected by historic status?

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

Yes. The campus is currently undertaking DSF #10C1J Williams Fieldhouse Phase 2, which evaluates, plans and designs construction of a new swimming facility. If new swimming pool construction is not feasible in the near future, the existing swimming pool mechanical equipment system will require replacement. If a new pool is constructed, the existing 1961 pool will be taken permanently off-line.

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 from June through August.