All Agency Project Request

2013 - 2015 Biennium

Agency	Institution	Building No.	Building Name
University of Wisconsin	Platteville	285-0H-9950	Multi-Building

Project No. 14B3P

Project Title Multi-Bldg Elev Renv (Art/Ottensman/Williams Fieldhouse)

Project Intent

This project provides investigation and research, pre-design, and design services to renovate five (5) hydraulic elevators in three (3) academic buildings to improve reliability and reduce operational maintenance costs and energy use. The elevator equipment and operations will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

Project Description

Project work includes renovating a 2-stop elevator (State ID 506428) in the Art Building (285-0H-0003), a 3-stop elevator (State ID 503031) and a 4-stop elevator (State ID 19300) in Ottensmen Hall (285-0H-0010), and a 2-stop elevator (State ID 508308) and a 3-stop elevator (State ID 506430) in Williams Fieldhouse (285-0H-0007). All machine room equipment and door equipment will be replaced. The original elevator control equipment will be replaced with a modern microprocessor based control system with soft start capability. The single-wall jack will be replaced with a double-bottom jack with PVC liner. The elevator car will be renovated. Firefighter service operation will be provided including all fire alarm devices, and all fire alarm panel interfaces. Heating and cooling improvements to the equipment room will be implemented as needed to satisfy equipment warranty. Elevator door operation will be modified to meet ADA requirements.

Prior to the renovation of the elevators, a modernization survey will be performed by an elevator design professional. An elevator design professional will also need to be engaged throughout the project to evaluate the specifications, determine specific compliance, and consult on installation issues.

Project Justification

The elevator equipment in these three buildings range in age from 26 to 50 years and should be replaced. The machines are obsolete, in poor condition, and require constant maintenance. Attempts to improve reliability by replacing parts have not been successful. The motors and hydraulic pumps are beyond their useful life and need to be replaced. The single-bottom jacks will be replaced by double-bottom jacks with PVC liners to meet current code requirements. Modern microprocessor controls with new elevator machines are energy efficient. Firefighter service is limited and there is inadequate machine room temperature control. This project is needed to ensure reliable service to thousands of daily occupants of these buildings.

A/E Consultant Requirements

☑ A/E Selection Required?

Consultants should have specific expertise and experience in the design and coordination of elevator machine modernization and equipment replacement 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, schedule, and budget estimates, and recommend modifications as required to complete the specified project intent. The consultant will prepare a pre-design document to establish an appropriate project scope, budget, and schedule prior to the university seeking authority to construct from the Board of Regents and State Building Commission.

Commissioning

☑ Level 1

☐ Level 2

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Project Budget

Construction Cost:		
Haz Mats:		
Construction Total:		
Contingency:	15%	
A/E Design Fees:	8%	
DFD Mgmt Fees:	4%	
Equipment/Other:		
		$1,691,000

Funding Source(s)

Funding Source(s)	Total
GFSB - Facilities Maintenance & Renovation [Z060]	$0
PRSB - []	$0
Agency/Institution Cash []	$0
Gifts	$0
Grants	$0
Building Trust Funds [BTF]	
Other Funding Source	$0

Project Schedule

SBC Approval:	12/2014
A/E Selection:	05/2014
Bid Opening:	02/2016
Construction Start:	05/2016
Substantial Completion:	09/2016
Project Close Out:	12/2016

Project Contact

Contact Name: Douglas W. Stephens

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Telephone: (608) 342-1199 x

Project Scope Consideration Checklist

	Y	N
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.		
2. Is the project an extension of another authorized project? If so, provide the project #...	☐	☑
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/>.		
4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent?	☐	☑
5. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent?	☐	☑
6. Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope.	☐	☑
7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III?	☑	☐
Type III.		

8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here. ☐ ☑

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. ☐ ☑

11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent? ☑ ☐

    Completion of this project will decrease operational maintenance costs.

12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s). ☐ ☑

13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <http://www.focusonenergy.com> or the local utility provider)? If yes, describe here. ☐ ☑

14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here. ☐ ☑