

# All Agency Project Request

2011 - 2013 Biennium

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<b><u>Agency</u></b>	<b><u>Institution</u></b>	<b><u>Building No.</u></b>	<b><u>Building Name</u></b>
University of Wisconsin	Green Bay	285-0D-9950	Multi-Building
<b><u>Project No.</u></b>	12C2L	<b><u>Project Title</u></b>	Multi-Bldg Hydraulic Elev Renv (Environmental Science/Rose Hall/Studio Arts/Theater Hall/Wood Hall)

## **Project Intent**

This project renovates three 3-stop hydraulic elevators and two 4-stop hydraulic elevators and repairs a stage lift in six academic buildings to reduce repairs, improve reliability and reduce energy use.

## **Project Description**

Project work includes renovating all elevator cars and replacing all equipment in the machine rooms and all door equipment for 3-stop hydraulic elevators in Environmental Science (285-0D-2022) (State Elevator ID 503816), in Rose Hall (285-0D-2035) (State Elevator ID 504504), and Theatre Hall (285-0D-2027) (State Elevator ID 504558) and 4-stop hydraulic elevators in the Studio Arts Building (285-0D-2030) (State Elevator ID 504559) and in Wood Hall (285-0D-2036) (State Elevator ID 504505). All original elevator control equipment will be replaced with modern microprocessor based control systems that include soft start capability. All single wall jacks will be replaced with double bottom jacks inside PVC liners. Firefighter service operation will be provided, including all fire alarm devices and panel interfaces. Heating and cooling improvements to the equipment rooms will be implemented as needed to satisfy equipment warranty. Elevator door operation will be modified to meet ADA requirements. This project also repairs the stage lift in the Weidner Arts Center (285-0D-2050) and completely replaces the stage lift control system.

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

## **Project Justification**

The elevator equipment in these five buildings is more than 38 years old and should be replaced to ensure reliable service to thousands of daily building occupants. 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 replacement. All single bottom jacks will be replaced by double bottom jacks inside PVC liners to meet current code. Modern microprocessor controls with new elevator machines are energy efficient. Firefighter service is limited and there is inadequate machine room temperature control. The stage lift is inoperable and must be repaired to meet the needs of academic programs and auxiliary productions.

## **A/E Consultant Requirements**

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.

A/E Selection Required?

## **Commissioning**

- Level 1  
 Level 2

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## Project Budget

Construction Cost:		\$1,536,600	
Haz Mats:		\$0	
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Construction Total:		\$1,536,600	
Contingency: 15%		\$230,500	
A/E Design Fees: 7%		\$114,300	
DFD Mgmt Fees: 4%		\$70,700	
Equipment/Other:		\$0	
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		<b>\$1,952,100</b>	

## Funding Source

GFSB - Facilities Maintenance & Renovation [Z060]	\$1,684,500
PRSB - Facilities Maintenance & Renovation [T550]	\$267,600
Agency/Institution Cash []	\$0
Gifts	\$0
Grants	\$0
Building Trust Funds [BTF]	\$0
Other Funding Source	\$0
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	<b>\$1,952,100</b>

## Project Schedule

SBC Approval: 04/2012  
 A/E Selection: 05/2012  
 Bid Opening: 03/2013  
 Construction Start: 05/2013  
 Substantial Completion: 09/2013  
 Project Close Out: 12/2013

## Project Contact

Contact Name: Aaron Epps  
 Email: <eppsa@uwgb.edu>  
 Telephone No.: (920) 465-2202 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.<br><br><i>All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.</i>                                 | <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?<br><br><i>Hazardous materials abatement is not anticipated on this project. Comprehensive building survey inventory data is available on Wisconsin's Asbestos &amp; Lead Management System (WALMS) &lt;http://walms.doa.state.wi.us/&gt;.</i> | <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 the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent?   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 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.  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

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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.