

All Agency Project Request

2013 - 2015 Biennium

<u>Agency</u>	<u>Institution</u>	<u>Building No.</u>	<u>Building Name</u>
University of Wisconsin	Madison	285-0A-0408	ENGINEERING HALL

<u>Project No.</u>	16FIT	<u>Project Title</u>	Engineering Hall Freight Elevator # 5 Renovation
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Project Intent

This project provides investigation and research, pre-design, and design services to renovate freight elevator #5 (State #501615). The elevator operation and components will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

Project Description

The existing Heller freight elevator is a 6000 lbs. capacity, 75fpm, 2-entrance, walk-thru four floors/five landing unit. Project work includes replacing elevator components including traction machine, elevator cab, all safety related equipment, all car and hoist way doors, car rollers and landing equipment, car operating panels, and the cab. Heating and cooling improvements to the elevator machine room will be provided as needed to satisfy equipment warranties. An interface to the building fire alarm system will be provided to satisfy current elevator codes. The elevator controls will be connected to the Metasys building automation system to provide elevator status monitoring capabilities. The manual doors will be replaced with 100fpm automatic, vertical, bi-parting doors. All controls will be replaced with microprocessor-based controls to improve energy consumption. Elevator door access and operation to meet ADA requirements will be provided as necessary.

Project Justification

The elevator is 60 years old and well beyond its life expectancy. The controls are obsolete and when repair is required scrap parts are used or modifications to controller are required. The elevator does not meet current fire service recall standards. Replacing this elevator will bring the unit up to current safety standards, increase reliability, increase car speed while reducing energy consumption.

A/E Consultant Requirements

A/E Selection Required?

Consultants should have specific expertise and experience in the design and coordination of elevator construction integrated into building egress and fire safety code requirements 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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<u>Project Budget</u>	<u>Funding Source(s)</u>	<u>Total</u>
Construction Cost: \$	GFSB - Facilities Maintenance & Renovation [Z060]	\$0
Haz Mats: \$	PRSB - []	\$0
Construction Total: \$	Agency/Institution Cash [AGF0]	\$32,000
Contingency: 15% \$	Gifts	\$0
A/E Design Fees: 8% \$	Grants	\$0
DFD Mgmt Fees: 4% \$	Building Trust Funds [BTF]	\$0
Other: \$0	Other Funding Source	\$0
\$515,000		\$32,000

Project Schedule

SBC Approval: 03/2017
 A/E Selection: 08/2016
 Bid Opening: 03/2018
 Construction Start: 05/2018
 Substantial Completion: 09/2018
 Project Close Out: 12/2018

Project Contact

Contact Name: Kurt Johnson
 Email: <kurt.johnson@wisc.edu>
 Telephone: (608) 262-7776 x

Project Scope Consideration Checklist

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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.
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.

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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.
Engineering Hall is listed by the Wisconsin Historical Society as a building of historical significance.
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?
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.