

# All Agency Project Request

2013 - 2015 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-9932                | Utility - Site Lighting     |

|                           |       |                             |                            |
|---------------------------|-------|-----------------------------|----------------------------|
| <b><u>Project No.</u></b> | 13H1P | <b><u>Project Title</u></b> | Soccer Field Lighting Repl |
|---------------------------|-------|-----------------------------|----------------------------|

## **Project Intent**

This project provides investigation and research, pre-design, and design services to replace the structurally compromised field lighting system with a new system that is more energy efficient and provides adequate illumination levels on the soccer field. The soccer field lighting and audio system will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

## **Project Description**

Project work includes replacing six lighting poles, forty-eight sports lighting fixtures, the associated underground wiring and lighting controls. The new lighting system will provide a minimum of 50 foot-candles on the playing field as recommended by the Illuminating Engineering Society of North America guidelines. Various light pole layouts, pole heights, and light fixture options will be studied to obtain an optimum system considering all site constraints. The new system will provide required illumination with minimum energy demand while minimizing light trespass and light pollution. The project will also install a field sound system capable of providing adequate audio signal level for events.

## **Project Justification**

In May of 2013, the six 1968 vintage wooden lighting poles were inspected to determine their structural integrity. The inspection report certified that three of the poles were structurally compromised, due to severe longitudinal cracking and exterior rotting around the bases. The condition of these poles presents a significant danger and must be replaced. The other three poles were certified to be sound, but the inspection report recommended these poles should be inspected more frequently due to their age and exterior characteristics. The university determined that it would be in the best interest of all parties that all poles be removed prior to the fall sports season, with the understanding that games would need to be played during daylight hours. The six poles have been removed.

## **A/E Consultant Requirements**

Consultants should have specific expertise and experience in the design and coordination of exterior illumination and outdoor sports lighting 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 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.

A/E Selection Required?

## **Commissioning**

Level 1

Level 2

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| <u>Project Budget</u>  | <u>Funding Source</u>           | <u>Total</u>    |
|--|---------------------------------|-----------------|
| Construction Cost: <span style="float: right;">\$250,000</span>  | GFSB - <input type="checkbox"/> | \$0             |
| Haz Mats: <span style="float: right;">\$0</span>                 | PRSB - <input type="checkbox"/> | \$0             |
| Construction Total: <span style="float: right;">\$250,000</span> | Agency/Institution Cash [AGF0]  | \$20,000        |
| Contingency: 15% <span style="float: right;">\$37,500</span>     | Gifts                           | \$0             |
| A/E Design Fees: 8% <span style="float: right;">\$20,000</span>  | Grants                          | \$0             |
| DFD Mgmt Fees: 4% <span style="float: right;">\$11,500</span>    | Building Trust Funds [BTF]      | \$0             |
| Equipment/Other: <span style="float: right;">\$0</span>          | Other Funding Source            | \$0             |
| <span style="float: right;"><b>\$319,000</b></span>              |                                 | <b>\$20,000</b> |

### Project Schedule

SBC Approval: 09/2013  
 A/E Selection: 10/2013  
 Bid Opening: 04/2014  
 Construction Start: 05/2014  
 Substantial Completion: 08/2014  
 Project Close Out: 12/2014

### Project Contact

Contact Name: Paul H. Pinkston  
 Email: <pinkstop@uwgb.edu>  
 Telephone No.: (920) 465-2373 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 not 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.    
Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.
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.    
Focus on Energy rebates may apply.
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.