

Contact: Sheila Doyle

**REGISTER OF UNIVERSITY OF IOWA**  
**CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS**

**Actions Requested:** Consider approval of:

1. Permission to proceed with project planning, and the selection of Shive-Hattery, Iowa City, Iowa, to provide engineering services, and Sasaki Associates, Boston, Massachusetts, for sidewalk and landscape design review, for the **Flood Mitigation – Sidewalk Modifications** project.
2. Ratification of the revised project budget for the **P. Susan Beckwith, M.D., Boathouse** project (\$7,332,228).

**Executive Summary:** The **Flood Mitigation – Sidewalk Modifications** project would raise the existing campus sidewalks on each side of the Iowa River, from the Voxman Music Building and nearby footbridge, south on the west side of the river to the railroad river crossing, and south on the east side of the river to near the Main Library. A map indicating the sidewalk locations to be addressed in the project is included as Attachment A.

The project would respond to the need for consistent sidewalk elevations for improved efficiencies in responding to changing river levels during a flood event. The project would raise the sidewalks to a minimum elevation of a 100-year flood plus one foot. The University reports that this level would provide ample flood protection for the majority of campus flood events, including an event matching 1993 flood levels.

For more significant floods, the sidewalks would provide a level and consistent base for sandbag walls and other temporary flood barriers, such as the Hesco Barriers that proved to be an ideal flood protection method during the flood of 2008 and are now a key component of the University's Flood Emergency Response Plan. The sidewalks would be ten feet in width to accommodate the Hesco Barriers and the equipment to fill the barriers, which would minimize damage to the adjacent landscape. The University will also investigate construction of a four foot deep wall below the sidewalks to block groundwater penetration and provide additional flood protection.

The design of the new walkways will strive to maintain the natural campus setting along the river. The University anticipates that no sidewalk areas would be raised more than two feet from current elevations, which would allow the new sidewalk grades to blend aesthetically with existing grades. The University will also explore the installation of improved lighting along the sidewalk areas to maximize pedestrian safety and energy efficiency.

To minimize future flooding risks, the University would expedite design and delivery of the project for completion by June 30, 2010. To support this expedited timeline, the University wishes to waive the requirement for the design professional selection process and enter into an agreement for engineering services with Shive-Hattery, Iowa City, Iowa; the University reports that the firm has been central to civil engineering work in this area of campus. In addition, the University wishes to enter into an agreement with its campus master plan consultant, Sasaki Associates, Boston, Massachusetts, to provide sidewalk and landscaping design review.

The estimated project cost of \$2.4 million would be funded by the U.S. Department of Education (DOE) Disaster Relief Program in the amount of \$1.2 million, with additional funds from other federal grants or University building repair funds. However, if the additional funds are not available, the project scope would be limited to the amount of the DOE grant.

The **P. Susan Beckwith, M.D., Boat House** project is constructing a boat house along the Iowa River which will serve as the primary competitive and practice facility for the women's intercollegiate rowing team, the only University sport without a permanent competitive and practice facility. The facility, which is being constructed in the City of Iowa City's Terrell Mill Park north of the main campus (see Attachment B), would also support community recreation activities by providing space for University Recreational Services (which would operate community and other University rowing programs from the facility) and a public meeting area (which would be managed by Recreational Services). The initial project budget of \$6.2 million is funded by Athletics Department gifts and earnings.

In June 2008, the Boat House site was inundated with flood water prior to the start of construction, although a construction contract had been awarded. As a result, the University reevaluated the design of the facility due to concerns with future flooding of the magnitude of the 2008 level. This review led to changes to the project including the use of more water-resistant building materials, and the relocation of heating, ventilating, and air conditioning equipment.

The revised budget of \$7,332,228, an increase of \$1,132,228, was approved by the Executive Director on March 3, 2009, for the additional costs associated with the building revisions, as well as additional construction costs resulting from the flooding, and increased design work. The budget increase will be funded by Athletics Department gifts and earnings.

**Details of Projects:**

**Flood Mitigation – Sidewalk Modifications**

Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed		April 2009	Requested
Design Professional Selections (Shive-Hattery, Iowa City, IA/ Sasaki Associates, Boston, MA)		April 2009	Requested

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**P. Susan Beckwith, M.D., Boat House**

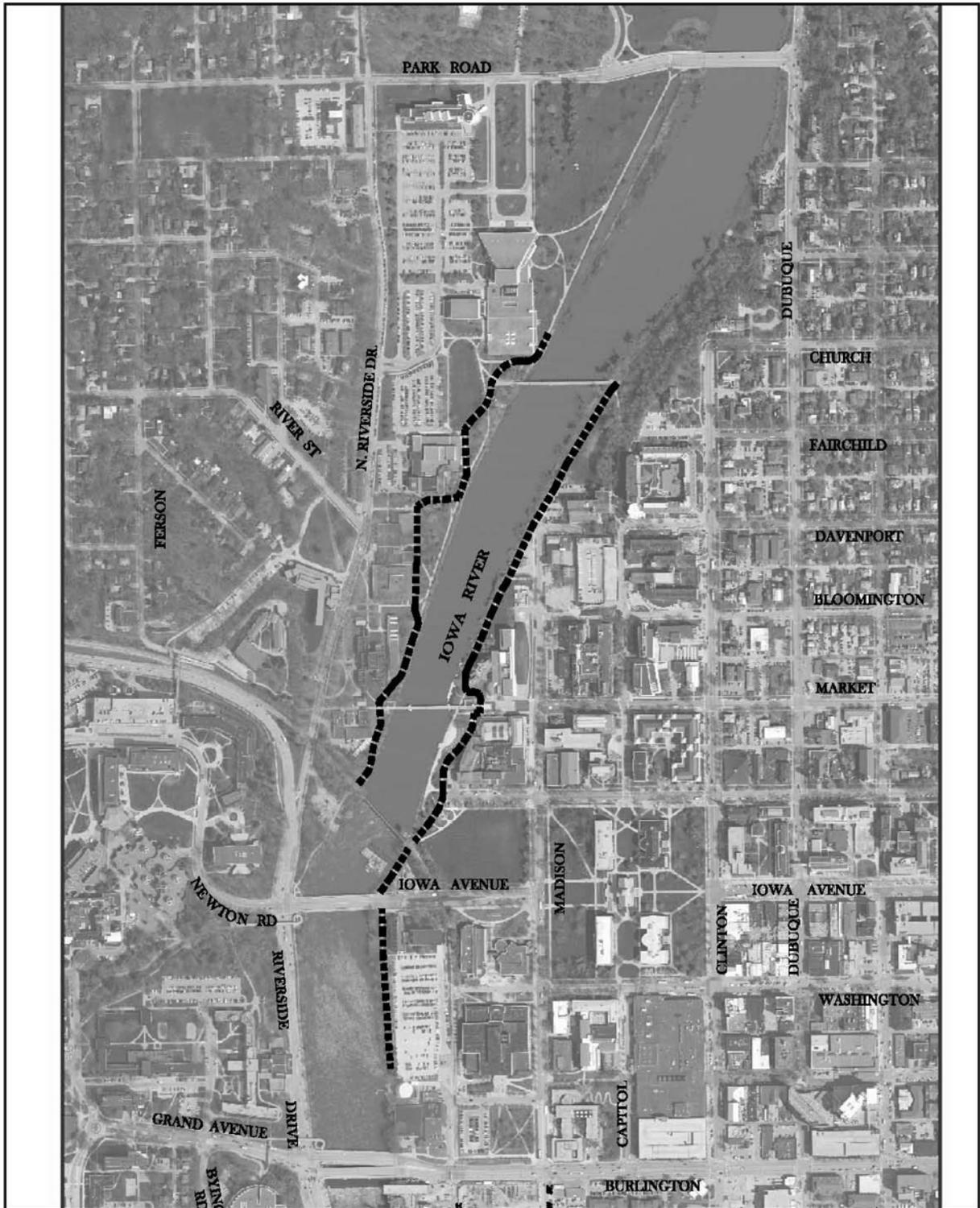
Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Initial Review and Consideration of Capital Capital Project Evaluation Criteria		May 2006	Received Report
Permission to Proceed		May 2006	Approved
Architectural Selection – Neumann Monson, Iowa City, IA		Jan. 2007	Approved
Architectural Agreement – Pre-Design Through Schematic (Neumann Monson, Iowa City, IA)	\$ 202,500	Jan. 2007	Approved
Program Statement		June 2007	Not Required
Approval of Lease Agreement		Aug. 2007	Approved
Final Review and Consideration of Capital Project Evaluation Criteria		Aug. 2007	Received Report
Schematic Design		Aug. 2007	Approved
Project Description and Total Budget	6,200,000	Aug. 2007	Approved
Architectural Agreement – Design Development Through Construction Administration (Neumann Monson, Iowa City, IA)	528,850	Oct. 2007	Approved
Construction Contract Award (Miron Construction)	4,805,900	April 2008	Not Required
Construction Change Order #1 (Miron Construction)	224,100	May 2008	Not Required
Revised Project Budget	7,332,228	April 2009	Requested

Project Budget

	Initial Budget <u>Aug. 2007</u>	Revised Budget <u>April 2009</u>
Construction	\$ 5,215,000	\$ 6,188,753
Planning and Design	745,000	893,475
Project Contingency	<u>240,000</u>	<u>250,000</u>
TOTAL	<u>\$ 6,200,000</u>	<u>\$7,332,228</u>

Source of Funds: Athletics Department Gifts and Earnings



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*Plotted March 30, 2009*  
*FloodMitigationSideWalks.dwg*

**N**  
  
**1" = 600'**

**LOCATION MAP**  
**Flood Mitigation**  
**Sidewalk Modifications**



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Plotted: March 30, 2009  
Boathouse\_2009.dwg #0037001



Scale: 1" = 450'

LOCATION MAP

P. Sue Beckwith, M.D.,  
Boathouse