

Contact: Sheila Doyle

REGISTER OF UNIVERSITY OF IOWA
CAPITAL IMPROVEMENT BUSINESS TRANSACTIONS

Actions Requested: Consider approval of:

1. Permission to proceed with project planning for the **Oakdale Renewable Energy Plant – Install Biomass Gasifier and Steam Generator** project.
2. Project description and budget (\$2,685,000) for the **Flood Mitigation – Sidewalk Modifications** project.
3. Revised project budget (\$133,700,000) for the **Iowa Institute for Biomedical Discovery** project.

Executive Summary: The **Oakdale Renewable Energy Plant – Install Biomass Gasifier and Steam Generator** project would support a demonstration project to burn wood chips and other biomass from local sources to create a renewable fuel to be used to produce steam to heat and cool existing and future buildings on the Oakdale Research Campus. The University anticipates that the biomass fuel, which would replace the use of natural gas, would reduce operating costs and greenhouse gas emissions for the Oakdale Power Plant, and contribute significantly to the University's goal of increasing its use of renewable energy.

The estimated project cost of \$6 million would be funded by the U.S. Department of Energy and the sale of Utility Enterprise Revenue Bonds.

The **Flood Mitigation – Sidewalk Modifications** project would raise the existing campus sidewalks on each side of the Iowa River from near the Voxman Music Building and south to near the Main Library. The project would respond to the need for consistent sidewalk elevations for improved efficiencies to respond 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, which would provide ample flood protection for the majority of campus flood events. The sidewalks would also provide a level and consistent base for the use of sandbag walls and other temporary flood barriers in the event of more severe flooding such as that experienced in the summer of 2008. The temporary barriers that could be supported by this sidewalk base include the Hesco Barriers that proved to be an ideal flood protection method during the flood of 2008 and which are now a key component of the University's Flood Emergency Response Plan.

To minimize future flooding risks, the University plans to expedite the project for completion by June 30, 2010.

The project budget of \$2,685,000 would be funded by insurance proceeds and/or other state and federal grants.

The **Iowa Institute for Biomedical Discovery (IIBD)** project will construct an extension to the Health Sciences Academic/Biomedical Research Complex (the Medical Education Research Facility [MERF] and Carver Biomedical Research Building [CBRB]) to house interdisciplinary research laboratory space to support the University's growth in extramural research funding, primarily in the Health Sciences. The project also includes construction of an elevated walkway between the IIBD and the MERF.

The revised budget of \$133,700,000, an increase of \$11,200,000, would develop additional laboratory space under the central courtyard created by the three buildings and the elevated walkway (see Attachment A for map). Approximately 35,200 gross square feet of shell space, which would be completed at a future date, would be constructed. The University reports that this shell space must be constructed prior to completion of the IIBD since the elevated walkway will prohibit construction in the courtyard area.

The revised budget would be funded by state appropriations, federal grants, Carver College of Medicine gifts and earnings, UI Facilities Corporation Revenue Bonds, and Income from Treasurer's Temporary Investments.

Details of Projects:

Oakdale Renewable Energy Plant – Install Biomass Gasifier and Steam Generator

Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed		June 2009	Requested

Flood Mitigation – Sidewalk Modifications

Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed		April 2009	Approved
Design Professional Selections (Shive-Hattery, Iowa City, IA/ Sasaki Associates, Boston, MA)		April 2009	Approved
Project Description and Total Budget	\$ 2,685,000	June 2009	Requested

Project Budget

Construction	\$ 2,165,000
Planning and Design	300,000
Contingencies	<u>220,000</u>
TOTAL	<u>\$ 2,685,000</u>

Source of Funds: Insurance Proceeds and/or State and Federal Grants

Iowa Institute for Biomedical Discovery

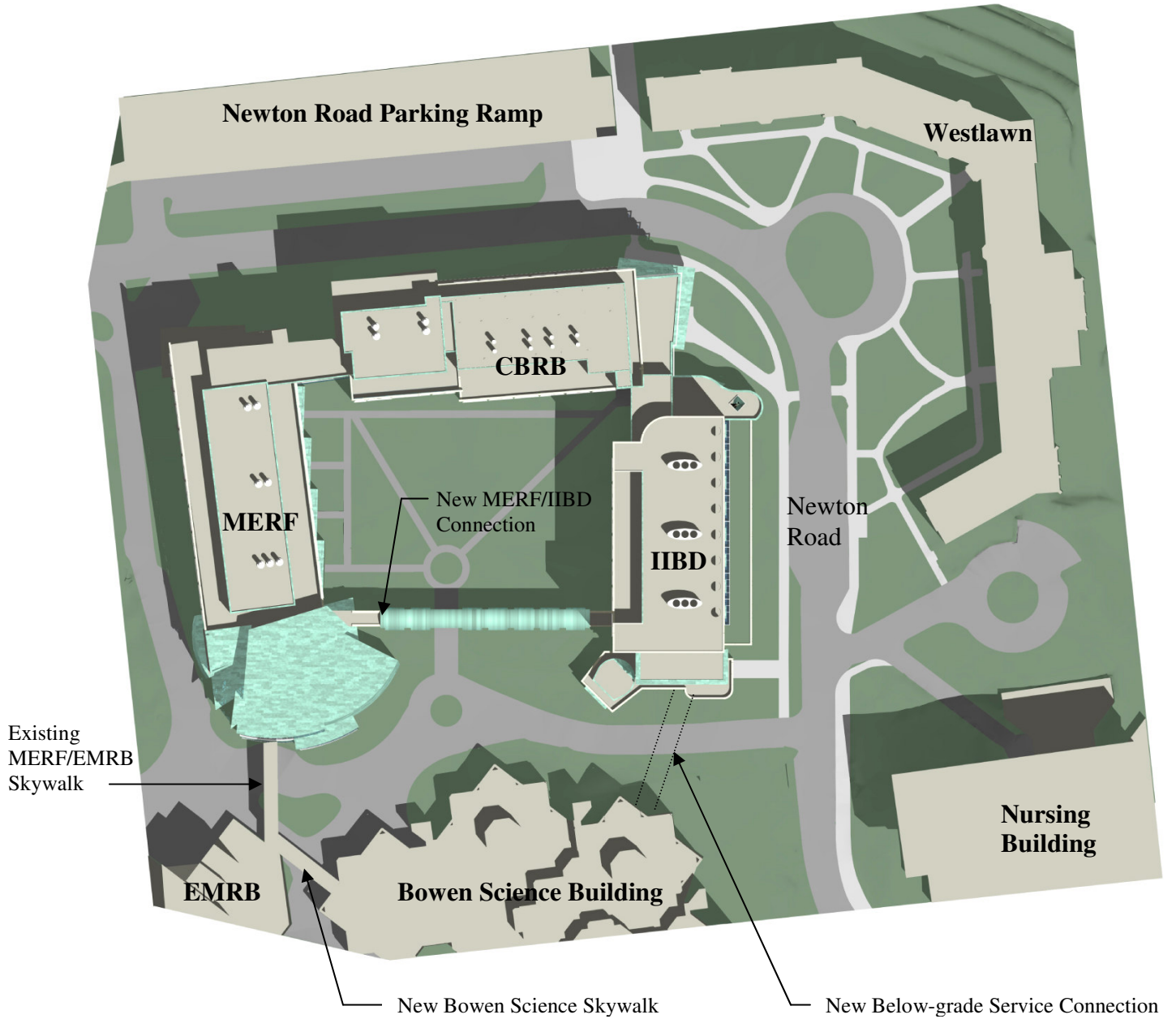
Project Summary

	<u>Amount</u>	<u>Date</u>	<u>Board Action</u>
Permission to Proceed with Project Planning		Feb. 2007	Approved
Initial Review and Consideration of Capital Project Evaluation Criteria		Feb. 2007	Approved
Architectural Selection (Rohrbach Associates, Iowa City, IA)		Feb. 2007	Approved
Program Statement		Oct. 2008	Not Required
Final Review and Consideration of Capital Project Evaluation Criteria		Oct. 2008	Approved
Schematic Design		Oct. 2008	Approved
Project Description and Total Budget	\$ 122,500,000	Oct. 2008	Approved
Revised Project Budget	133,700,000	June 2009	Requested

Project Budget

	<u>Initial Budget Oct. 2008</u>	<u>Revised Budget June 2009</u>
Construction	\$ 103,600,000	\$ 111,900,000
Planning and Design	14,300,000	16,900,000
Project Contingency	<u>4,600,000</u>	<u>4,900,000</u>
TOTAL	<u>\$ 122,500,000</u>	<u>\$ 133,700,000</u>

Source of Funds: State Appropriations, Federal Grants, Carver College of Medicine Gifts and Earnings, UI Facilities Corporation Revenue Bonds, and Income from Treasurer's Temporary Investments.



Iowa Institute for Biomedical Discovery, IIBD

Schematic Design
October 2008

Rohrbach Associates PC Gwathmey Siegel & Associates Payette