

Planning & Projects Update

November 2009

UNDER CONSTRUCTION

EMS Nanotech Laboratory Upgrade

\$1,550,000 / Harwood Engineering with Boer Architects

This project remodeled 6 labs on the 7th floor (approximately 3,800 ASF) to support the nanotechnology research initiative. Bids were received in January 2008. Construction began late March 2008 and was substantially completed on June 1, 2009. Occupants have moved in and punch list work is ongoing.

Golda Meir Library Remodeling - Phase One

\$4,908,000 / Kubala Washatko Architects, Inc.

(\$3,508,000 GFSB; \$1,400,000 Gifts/Grants funds)

This project will remodel portions of the West Wing into a “Learning Commons” while addressing the highest priority needs for collections capacity, teaching/instruction, student group study, reference area, and circulation and interlibrary loan services improvements. This project was approved for Planning only at the October 2005 meeting of the State Building Commission. The 35% Design Report was completed in March 2008 and went before the Board of Regents/State Building Commission in April 2008 for approval. Bids were received on September 30, 2008. Construction commenced in December 2008 and was completed in August 2009. The space is open and minor punch list items are ongoing.

IN PLANNING OR DESIGN

Campus Data Center Evaluation and Expansion

\$ 1,500,000 / Affiliated Engineers, Inc.

This project will create a Consolidated Research Computing Support Facility to be located in an area of the Second Floor at the University Services Building (USB). UWM has a very small data center (located in EMS) for the size and scope of it's' operations, and has neither space nor electrical/cooling capacity to house research computing systems. As a result, UWM has been forced to engage in a “worst practice” accommodation by expensively remodeling individual rooms throughout campus to house computing clusters and data storage systems. The current focus on growing research and access requires that we increase our IT infrastructure to support these endeavors. A centralized location, rather than many decentralized locations, will afford economies of scale and efficiencies. The project was approved by the Board of Regents and State Building Commission in June 2008. Consultant has been selected and the design kick-off meeting was held at the end of August 2008. Design is proceeding.

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FUTURE PROJECTS

2009-11 Six Year Plan

The planning cycle for the 2009-11 Capital Budget is complete. Deans and Division Heads submitted updated planning Issues to the Provost March 15, 2007. Our prioritized campus planning Issues List was submitted to UW System on June 6, 2007. Evaluation, refined prioritization and alternative solutions to Issues will be evaluated throughout the summer and into the fall. Major Project lists, descriptions and budgets were submitted to UW System in December 2007. Our 2009-15 Campus Physical Development Plan and all supporting documentation was submitted to UW System in April 2008. The Board of Regents reviewed UW System Capital Budget recommendations in late August 2008. UW System forwarded the recommendations to the State in September 2008. The Board of Regents updated the UW System Capital Budget recommendations in December 2008. On April 1, 2009, the State Building Commission approved the budget and forwarded it to the Joint Finance Committee. The budget passed the legislature and was signed by the Governor in July 2009. The campus Physical Environment Committee (PEC) received all materials in advance of submissions to UW System.

2011-13 Six Year Plan

The planning cycle for the 2011-13 Capital Budget was launched in spring 2009. Campus has received final details from UW System regarding process guidelines and schedule. Our prioritized campus planning Issues List was submitted to UW System on June 3, 2009. Evaluation, refined prioritization and alternative solutions to Issues will be evaluated throughout the summer and into the fall. Major Project lists, descriptions and budgets are due to UW System on December 2, 2009. Our 2011-17 Campus Physical Development Plan and all supporting documentation are due to UW System on May 5, 2010. The campus Physical Environment Committee (PEC) receives all materials in advance of submissions to UW System.

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Campus Master Plan

\$2,000,000 BTF / Hammel, Green, & Abrahamson, Inc. and Sasaki Associates

In the 2007-09 Capital Budget, the State Building Commission recommended approval of up to \$3,000,000 Building Trust Funds for Programming/Planning for a new engineering campus and \$300,000 Building Trust Funds for Programming/Planning for a new School of Public Health. A portion of these funds will be used to undertake a comprehensive Campus Master Plan that will include the existing Kenwood campus, existing off campus facilities and regional opportunities on the grounds of the Milwaukee Regional Medical Center and Milwaukee County Research Park in Wauwatosa as well as the former Pabst Brewery site in downtown Milwaukee.

The study will include an integrated parking and transit facilities plan that addresses demand, financial and operational management. The request to select the consultant team was approved by the Board of Regents in July 2007 and the State Building Commission in August 2007. The invitation for consultant services was posted in December 2007, initial screening took place on January 23, 2008, and final interviews on February 19, 2008. The consultant has been selected and an overall process work plan has been assembled. On-campus sessions with the consultant team began in April 2008. Completion of the Campus Master Plan is scheduled for December 2009. See the Campus Master Plan website for most current information: http://www4.uwm.edu/master_plan/index.cfm

Milwaukee Initiative

\$240,000,000

(\$66,800,000 New GFSB, \$56,600,000 Existing GFSB, \$55,600,000 Existing PRSB, \$1,000,000 Building Trust Funds, \$60,000,000 Gifts/Grants)

This project was enumerated in the 2009-11 Capital Budget. Modeled after the 2001 UW-Madison BioStar Initiative, this program is a multi-biennia fund for development of projects at UWM. Potential projects identified as eligible include Columbia-St. Mary's Hospital Acquisition and Renovation; Freshwater Science/Great Lakes Research Facility Renovation and Addition; Replacement of the Research Vessel "Neeskay"; Integrated Research Building Phase I; and Development of Non-contiguous Land Acquisitions and Expansions. At the July 2009 Board of Regents and August 2009 State Building Commission, the campus received approval of \$525,000 BTF for further detailed studies of the following: Academic Health Campus on or near the Pabst Brewery development site, School of Freshwater Science on or near the Great Lakes Research Facility site, Phase I Integrated Research Complex at the Kenwood campus site, and a Phase I Research Building at the County Grounds site.

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Heating Plant New Chiller

\$ 6,400,000 / Affiliated Engineers, Inc.

(\$5,500,000 GFSB, \$900,000 PRSB)

This project will install a new 4,000 ton chiller in the heating plant to accommodate increased cooling needs on campus. This project was enumerated in the 2009-11 Capital Budget.

INFRASTRUCTURE PROJECTS **(In Planning, Design or Construction)**

All Agency “Economic Stimulus” Multiple Projects Planning:

Anticipating potential economic stimulus funding, University of Wisconsin System and the State of Wisconsin Division of State Facilities (DSF) have initiated planning on the following All Agency projects (note: these planning efforts are intended to create “readiness” to execute these projects but do not guarantee funding):

DSF Project # 08L1Y (ES SE UW/DOC Exterior Envelope Work):

Holton and Johnston Halls Roof Replacement

Specialty Engineering Group, LLC

The consultant has completed a preliminary scoping and budget verification for the replacement of the roofs at Holton and Johnston Halls. This report confirmed the project cost of \$785,000. This project was approved by the State Building Commission to proceed in May 2009. Full design is underway.

Downer Buildings Exterior Envelope Repairs

Specialty Engineering Group, LLC

The consultant has completed a preliminary scoping and budget verification for masonry rehabilitation at Merrill, Johnston, Holton, Greene, Pearse, Garland and Vogel Halls. Due to increased scope proposed by the consultant, the project cost increased from \$1,905,000 to \$4,979,000. This project was approved by the State Building Commission to proceed in May 2009. Full design is underway.

DSF Project #09B2G (ES3 SE UW Heating Plant Controls):

UW Milwaukee University Services Building (USB) 220 Ton Chiller

Engineering Concepts, Inc.

This USB chiller project has been combined with a project at UW-Parkside. Consultant selection occurred in March 2009.

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DSF Project #09B2H (ES3 SE UW Milwaukee HVAC Upgrades):

Henneman Engineering, Inc.

This project was submitted by UW System as a small project at \$149,500 BTF to plan the following:

- Chapman ventilation improvements and code/structural study.
- Holton/Merrill/Johnston/Greene HVAC improvements & chilled water supply.
- Garland/Pearse perimeter heat installation.
- Hefter HVAC renovation, exterior storm windows and code study.

Consultant selection occurred in March 2009.

DSF Project #09A1U (ES2 SE UW Milwaukee EMS Fire Safety Upgrades):

Quorum Architects, Inc.

This project was submitted by UW System as a small project at \$55,500 BTF. Consultant selection occurred in January 2009 and planning is anticipated to be completed in November 2009.

Alumni House/Sabin Hall Roof Replacement

\$580,000 / Phillips, Milewski & Associates

The Sabin Hall portion of this project was completed in summer 2007.

The Alumni House project will address deficiencies on the existing Cotsworth style slate roof system. A roofing solution has been approved by the Milwaukee Historic Preservation Commission and construction is anticipated in summer 2010.

Art, Chemistry and Music Buildings Elevator Upgrade

\$1,052,000 / Fischer Fischer Theis, Inc.

This project replaces four elevators in three academic facilities: one 5-stop traction elevator in Art, one 5-stop traction elevator in Music and two 9-stop traction elevators in Chemistry. Project work includes replacement of DC elevator drives with AC drives and replacement of mechanical relay-based controllers with new microprocessor-based controllers. Heating and cooling improvements to the elevator equipment rooms will be implemented and a new partition wall will be constructed in Music to bring the elevator room to code compliance. Construction commenced in winter 2008/2009 and is expected to be completed in winter 2009/2010.

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Bolton Hall Tower HVAC Renovation

\$1,852,000 / Arnold and O'Sheridan, Inc.

This project was approved by the State Building Commission in May 2009 and consultant selection took place in June 2009. Design is underway.

Chapman Hall Ventilation Improvements

\$360,000 / Henneman Engineering, Inc.

This project was approved by the State Building Commission in September 2009. Design is underway.

Engelmann Field Turf Replacement

\$1,316,000 / Graef, Anhalt, Schloemer & Associates, Inc.

(\$903,000 Gifts, \$413,000 GFSB)

This project will replace the Engelmann Field natural turf with synthetic turf using gift funds. General fund supported borrowing will fund parallel, related work associated with campus sidewalks and retaining walls adjacent to the field. Board of Regents and State Building Commission approvals and consultant selection occurred in October 2008. Construction documents are being prepared and construction is scheduled for spring/summer 2010 and completion by fall 2010.

EMS Data Center Cooling and Fire Protection Renewal

\$ 425,000 / Grumman Butkus Associates

This project will renovate the cooling and fire protection systems serving the Data Center located in the east basement of the EMS Building. The project will replace the three oldest package-unit computer room air conditioners and the dry coolers and pumps for the glycol coolant system. The project will also upgrade the fire protection system, including improving the sealing of walls, openings and ductwork, providing a new clean agent extinguishing system, a new fire detection system, and a new control panel to monitor the detection and suppression systems. Construction began in May 2008 and will be completed by fall 2009.

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Great Lakes Research Facility (GLRF) Emergency Generator Replacement

\$456,000 / Powertek Engineering, Inc.

This project installs a new larger emergency generator at GLRF to serve life-safety and critical research equipment needs. Consultant selection took place in May 2009. Design is underway.

Great Lakes Research Facility (GLRF) Wet Bay Remodeling

\$ 286,000 Gifts/Grants / Groth Design Group Inc.

This project remodels 4,000 GSF of interior warehouse space on the west end of GLRF into a wet bay laboratory for field research operations, staging and sample processing. The new laboratory will have a high bay ceiling to accommodate external access from both the existing dock and ship yard. Project work includes relocating warehouse racking and laboratory casework, a new exterior vehicle ramp, new dock lift, exterior passage door and two new overhead doors. Electrical, telecommunication and plumbing services will be extended into the new laboratory area. The National Science Foundation (NSF) is providing most of the funding for this project. This project was approved by the Board of Regents and State Building Commission in February 2009 and consultant selection took place in March 2009. Design is near completion. Construction is anticipated for summer 2010.

Greene Museum Renovation

\$ 2,200,000 Gifts/Grants / Bloom Companies, LLC

This project will comprehensively renovate and historically rehabilitate Greene Museum for academic space use. Project work includes foundation, structural, and exterior masonry repairs; reconstruction of the front concrete entrance stairs; replacement of roof, exterior doors, windows, and skylights. All mechanical, plumbing, fire protection, telecommunications and controls will be upgraded, repaired or replaced. Accessibility upgrades will include building entrances, bathrooms and a new elevator. Interior spaces will be created for classrooms, meeting rooms, offices and a reception area. This project was approved by the Board of Regents and State Building Commission in February 2009 and consultant selection took place in March 2009. Construction Documents are underway, with bidding expected to occur in February, 2010.

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Multi-Building Emergency Generator Replacement

\$307,300 / Dolan and Dustin, Inc.

This project will replace the emergency generators at Bolton, Engelmann and Holton Halls. This project was approved by the State Building Commission in May 2009 and consultant selection took place in June 2009. Design is underway.

Multi-Building Parking Ramp Maintenance

\$1,813,700 PRSB / Harwood Engineering

This project conducts maintenance and repair work for the underground parking facilities at Engineering and Mathematical Sciences (EMS) and Sandburg Hall. Project work includes repairing delaminated and cracked structural flooring surfaces, spalled joists and spalling in between joists, and the concrete deck and joist members. This project was approved by the Board of Regents and State Building Commission in September 2009. Design is underway and construction is anticipated for summer 2010.

Parking Lot 18 Improvements

\$ 623,400 / Arnold and O'Sheridan, Inc.

This project will accomplish improvements to the surface parking lot located between the Heating Plant, Holton/Merrill/Johnston/Greene, and the Norris Health Center (Lot 18). In addition to lot re-grading, new base and asphalt surfacing, the project will look to include some of the stormwater management "zero discharge" components proposed by a study created in partnership with UWM's School of Architecture, local design professionals and the Milwaukee Metropolitan Sewerage District (MMSD). Through the approval of initial planning funds, the Design Report was completed in July 2008. Full approval of the project took place at the Board of Regents and State Building Commission in December 2008 and consultant selection took place in January 2009. Construction commenced in summer 2009 and has been substantially completed. Punch list items are ongoing.

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Sandburg Hall Commons Roof Replacement

\$908,755 / Facility Engineering, Inc.

(\$828,755 PR, \$80,000 Gifts/Grants)

This project will replace the Sandburg Halls Commons Roof with a “green” roofing system. This project went before the BOR and SBC in June 2007 for full approval. Design is complete and bids were received in September 2007. Based on bid results, the budget has been increased. Approval for this increase went before the BOR and SBC in October 2007. Construction began in March 2008 and was substantially completed in late fall 2008. Punch list items including the added scope of perimeter safety railings is ongoing.

Utility Tunnel Maintenance and Repair

\$3,000,000 / Ring & DuChateau, LLP

This project corrects various deficiencies and maintenance problems associated with the central chilled water and steam distribution systems throughout the underground and navigable utility tunnel. Approval of the project is anticipated at the December, 2008 Board of Regents and State Building Commission. Consultant selection took place in January 2009. Construction will occur between summer 2009 and summer 2010.