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 and Research Building (USR). UWM has a very small data center (located in EMS) for the size and scope of its’ operations, and has neither space nor electrical/cooling capacity to house research computing systems. The current focus on growing research and access requires an increase in IT infrastructure to support these endeavors. The project was approved by the Board of Regents and State Building Commission in June 2008. Final review drawings were completed in late February 2010. Bids are due on May 11, 2010 and construction will begin in summer 2010.

Central Chiller Installation

$ 6,419,000 / Ring & DuChateau, LLP

($5,449,200 GFSB, $969,800 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. The Design Report (Affiliated Engineers, Inc.) and authority to construct was approved by the Board of Regents and State Building Commission in December 2009. Final consultant selection is complete. Bid opening is expected in August 2010, construction start in October 2010 and substantial completion in May 2011.

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. Bids were received in April 2010, construction will start in summer 2010, and is expected to be completed by start of spring semester 2011.
FUTURE PROJECTS

2009-15 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.

2011-17 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, project sequencing information and the campus All Agency Project index were submitted 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.
Campus Master Plan
$2,000,000 BTF / Hammel, Green, & Abrahamson, Inc. and Sasaki Associates

The campus master planning process that commenced in spring 2008 is complete. The final documents can be found at:
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 initiative was enumerated in the 2009-11 Capital Budget as 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 January 2010 Board of Regents and State Building Commission meetings, an Expenditure Plan was approved for the Milwaukee Initiative. This Expenditure Plan went before the legislature in April 2010 and is expected to go to the Governor in May 2010. At the July 2009 Board of Regents and August 2009 State Building Commission, the campus received approval of $525,000 BTF for further pre-design 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. These studies were completed in March 2010. The final reports can be found at http://www4.uwm.edu/uap/useful_links.htm
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. Design and bidding is completed. Construction commenced in fall 2009 and is scheduled to be completed by summer 2010.

**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 Research and Services Building (USR) 220 Ton Chiller

Engineering Concepts, Inc.

This USR chiller project has been combined with a project at UW-Parkside. Consultant selection occurred in March 2009. Funding most likely to occur in future energy conservation performance contract.
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 Egress and Security Improvements):
Quorum Architects, Inc.
This project was originally submitted by UW System as a small project at $55,500 BTF. Consultant selection occurred in January 2009 and planning was completed in November 2009. State Building Commission granted approval to bid/construct in December 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 will begin in summer 2010. A budget increase of $797,500 was approved by the State Building Commission in April 2010 to complete the work.

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 spring/summer 2010.
**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 nearly complete; bidding is expected in fall 2010 with construction commencing in summer of 2011.

**Chapman Hall Ventilation Improvements**  
$360,000 / Henneman Engineering, Inc.

This project was approved by the State Building Commission in September 2009. Design is ongoing, with bidding expected in summer 2011 and construction in fall 2011.

**Downer Buildings HVAC Improvements**  
$8,611,000 / Henneman Engineering, Inc.

This project replaces the majority of the air handling and air distribution systems including renewal of affected building finishes to improve functionality, operations, and ventilation within the four Downer buildings (Greene, Holton, Johnston, Merrill). Project work includes replacing the air handling units, most of the air distribution system, and portions of the temperature control system within the buildings. This project also replaces lighting and suspended acoustical ceilings in areas where new air distribution will be provided. This project was approved by the State Building Commission in February 2010 and design is underway. Bidding is expected spring/summer of 2011 and construction started in fall/winter of 2011.

**East Substation Breakers Replacement**  
$2,573,400 / Leedy and Petzold

This project was approved by the State Building Commission in November 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 complete and bids were received in April 2010. Construction is scheduled for spring/summer 2010 and completion by fall 2010.

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, including coordination with future GLRF expansion plans.

Great Lakes Research Facility (GLRF) SBA/USDA Remodeling

$ 535,000 Gifts/Grants / James G. Otto Architect, LLC

This project remolds underutilized space to expand partnerships with the Small Business Administration (SBA) and United States Department of Agriculture (USDA). Project work includes converting Storage Room 179J into new, shared laboratory space through various interior infrastructure renovations and finish upgrades. This project was approved by the Board of Regents and State Building Commission in February 2010 and consultant selection took place in March 2010. 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. Bids were received in March 2010. Construction is anticipated for summer 2010.

Lapham Hall Roof Replacement

$263,000 / TBD

This project will replace specific deteriorated roof areas on Lapham Hall. This project was approved by the State Building Commission in April 2010 and consultant selection is expected in May 2010. Construction will begin in summer 2010.

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 nearly complete, bidding is expected in early spring 2010 and installation in summer 2010.
**Multi-Building Energy Conservation**

$10,318,600 / Honeywell International  
($9,966,800 PRSB, $351,800 Gifts/Grants)

This project implements, through performance contract, energy conservation opportunities based on a recently completed comprehensive investment grade energy audit of Bolton Hall, Cunningham Hall, Curtin Hall, Enderis Hall and Engineering and Math Sciences. Work will address improvements and retrofits to exterior envelope, HVAC systems, lighting, etc. Energy savings are estimated to be over $600,000/year with an energy reduction of approximately 30% of current consumption in these buildings. This project was approved by the Board of Regents and State Building Commission in December 2009. Work will commence in winter 2010 completion is expected by the end of 2010.

**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 completed and construction is anticipated for summer 2010.

**Sandburg Hall West Tower Exterior Window Replacement**

$1,495,200 PR / Quorum Architects, Inc.

This project is the first phase of exterior window replacements for the original three Sandburg Hall towers. The Board of Regents and State Building Commission approved the project in December 2009. Consultant selection took place in January 2010. Bids were received in March 2010 and construction will take place in summer 2010.

**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.