

Status of Capital Projects Executive Summary September 2, 2009

1. Projects completed:

Four projects were completed since the June 2009 report. Of those, clearly the largest project was the Farmer School of Business project, along with the associated Farmer School of Business Food Service component. The facility includes 30 classrooms equipped with the most current technology, an auditorium that seats approximately 500, 200 offices for faculty and staff, and a full range of support spaces. With the completion of this project the School now houses all six departments within one building for the first time in decades. The project was completed on schedule this summer and was ready to receive the students returning for the beginning of fall semester. The other projects completed were infrastructure related with the installation of a new emergency generator at the book depository in Middletown and mechanical upgrades in Yager Stadium.

2. Projects added:

Only three new projects were started during this reporting period with only one of those exceeding \$500,000. The second floor renovations in Rentschler Hall on the Hamilton Campus will provide new classrooms and offices to help accommodate their increasing enrollment. The project is budgeted at \$1.5 million with 95% of the funding coming from State Capital Improvements funds. Other projects included a new emergency generator on the Hamilton Campus and a fire alarm upgrade in Withrow Court.

3. Project schedules and budgets:

Although most of the projects that have been bid since the last report have been relatively small, they continue to be consistently under estimate due to the continued competitive market place. The vast majority of our projects remain on schedule or have been rescheduled at our choosing to meet our needs with one exception, the Steam Plant Boiler Pollution Controls Upgrade project. This very complex project has encountered a number of complications in the field during construction and with issues of coordination among the multitude of contractors, suppliers, and consultants involved in the project. However, equipment is now becoming operational and the project will be completed this fall.

Respectfully submitted,
Robert G. Keller

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**Miami University
Physical Facilities Department
Status of Capital Projects Report**

Summary of Active Projects

	<u>Number of Projects</u>	<u>Value</u>
Under Construction	26	\$39,974,106
In Design	15	\$35,142,357
In Planning	7	\$10,410,826
Total	48	\$85,527,289

New Projects Over \$500,000

HC-Rentschler Hall Second Floor Renovation

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Projects Completed Since Last Report

Farmer School of Business	\$64,298,842
Farmer School of Business Food Service	\$2,501,318
Middletown Campus - Book Depository (SWORD)	
Emergency Generator Replacement	\$40,000
Yager Stadium West Stands A/C Unit Upgrades	\$295,444
	<hr/> \$67,135,604

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

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**Miami University
Physical Facilities Department
Status of Capital Projects Report**

**UNDER CONSTRUCTION
(Under Contract)**

1. Cole Service Building Emergency Generator: (Previous Report – In Design)

Approved Budget: \$186,519 (Revised since last report - \$232,850)

Project Completion: December 2009 (Revised since last report – October 2009)

	Funded	Planned
State	\$186,519	\$0
Total	\$186,519	\$0

This project will install a new emergency generator to provide power to the building. The Cole Service Building is the main nerve center of the Physical Facilities Department and continued operation of this building during a utility power outage is critical for providing services to the campus. Construction contracts have been awarded.

2. East Quad Roads and Walks Upgrades: (BOT Feb '09)

Approved Budget: \$2,000,000

Project Completion: August 2009

	Funded	Planned
University Bldg-CR&R	\$2,000,000	\$0
Total	\$2,000,000	\$0

This project upgraded two segments of roads and walks adjacent to the Farmer School of Business. These included Patterson Avenue from Withrow Lane south to High Street, and an extension of High Street from Patterson Avenue east to Fisher Drive. Sidewalks were re-routed around and to the new building to improve pedestrian circulation from the east quadrangle to central campus. Significant work also included an upgrade to the existing utility lines in the streets. The project was completed in August. **This will be the final report.**

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

3. Flower Hall HVAC Improvements: (BOT Dec '08)

Approved Budget: \$1,150,000

Project Completion: September 2009

	Funded	Planned
Auxiliary-CR&R	\$1,150,000	\$0
Total	\$1,150,000	\$0

This project replaced all the fan coils and unit ventilators in the building. It provided Direct Digital Control for all the HVAC systems. The domestic hot water heaters were replaced with semi-instantaneous heaters. The heat exchangers, pressure reducing valves station and condensate set were also replaced. All major construction activities have been completed. Review and completion of punch list items and project closeout is in progress. **This will be the last report.**

4. Hamilton Campus - Mosler Hall Classroom 200 Renovation:

Approved Budget: \$263,637

Project Completion: August 2009

	Funded	Planned
State	\$263,637	\$0
Total	\$263,637	\$0

This project provided for the renovation of an existing 145-seat classroom in Mosler Hall to upgrade from its original 1968 finishes. Renovation included new lights, ceiling, floor and wall finishes, and seating, as well as new technology upgrades including audio/visual equipment for improved acoustics. Building code upgrades, including the HVAC and fire suppression systems, have also been addressed. Substantial completion has been accomplished for occupancy for fall semester classes. Completion of final punch list items is in progress. Expect completion by the end of September. **This will be the last report.**

Under Construction

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

5. Hamilton Campus – Mosler Hall Plaza Renovation:

Approved Budget: \$759,551 (Revised from last report - \$719,551)

Project Completion: October 2009

	Funded	Planned
State	\$607,448	\$0
Local	\$152,103	\$0
Total	\$759,551	\$0

This project incorporates exterior pedestrian and ADA compliant access to the plaza and main public entrance space between Mosler Hall and Rentschler Hall. Improved ADA access approach and entrance into these buildings will be addressed by removal of existing steps and deteriorated concrete walks originally constructed in 1968. Construction is in progress. Demolition of existing concrete plaza and asphalt parking lot south of the plaza is 90 percent complete as excavation for new walls and ramps progresses. Expect completion by the end of October. ADA access to Mosler Hall and Rentschler Hall will be maintained throughout the construction.

6. Hamilton Campus – Phelps Hall Boiler Replacement: (Previous Report – In Design)

Approved Budget: \$204,231 (Revised since last report - \$210,000)

Project Completion: November 2009 (Revised since last report – September 2009)

	Funded	Planned
State	\$204,231	\$0
Total	\$204,231	\$0

This project will replace the original boilers that provide heat for Phelps Hall. The boilers have been delivered. Construction is underway and work has begun on replacement of the first of two boilers.

Under Construction

Miami University
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Status of Capital Projects Report

7. Hamilton Campus - Phelps Hall / Parrish Auditorium Roof Replacement:

Approved Budget: \$334,275

Project Completion: September 2009

	Funded	Planned
State	\$334,275	\$0
Total	\$334,275	\$0

This project will include an area of approximately 24,000 square feet and consist of removal of existing materials, installation of new insulation and single-ply membrane roofing, and sheet metal flashing and trim. Construction is in progress and is approximately 75 percent complete at this time. Expected completion is the end of September. **This will be the last report.**

8. Hamilton Campus – University Hall Parking Lot Expansion: (Previous Report – In Design)

Approved Budget: \$150,416 (Revised from last report - \$99,210)

Project Completion: August 2009 (Revised from last report - November 2009)

	Funded	Planned
Local	\$150,416	\$0
Total	\$150,416	\$0

This project included expansion of the existing parking lot adjacent to University Hall and the addition of 40 new parking spaces as well as general lighting to the area. It also included modifying storm sewers and repaving around the maintenance building area. The project has been completed and is in closeout. **This will be the last report.**

9. Marcum Conference Center Steam Line Replacement:

Approved Budget: \$300,000

Project Completion: August 2009

	Funded	Planned
Auxiliary-CR&R	\$300,000	\$0
Total	\$300,000	\$0

The steam line that serves Marcum Center has failed a number of times and many repairs have been made to the pipe over the last two years. This project replaced the underground steam line to Marcum by routing down Fisher Drive. The contractor is completing the punch list. **This will be the last report.**

Under Construction

**Miami University
Physical Facilities Department
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10. Miami Inn - Fire Alarm Upgrade:

Approved Budget: \$180,000

Project Completion: September 2009

	Funded	Planned
Auxiliary-CR&R	\$180,000	\$0
Total	\$180,000	\$0

This project consists of installing a modern fire alarm system at the Miami Inn to replace the antiquated system that is prone to failures and difficult to maintain. The basement and first floor devices have been installed and tested. First, second and third floor guest room devices and elevator recall will be complete by mid-September. **This will be the last report.**

11. Middletown Campus - Book Depository (SWORD) Roof Replacement:

Approved Budget: \$132,580 (Revised since last report - \$320,820)

Project Completion: October 2009

	Funded	Planned
State	\$132,580	\$0
Total	\$132,580	\$0

This project consists of removing and replacing the existing ballasted roof system over the administrative office area and original book depository module of the building. The replacement will be a single-ply membrane system. In addition to the roof replacement, exterior caulking, painting, and dock repairs will be accomplished. Work is in progress and on schedule.

12. Middletown Campus - Johnston Hall Partial Re-Roof:

Approved Budget: \$609,340

Project Completion: August 2009

	Funded	Planned
State	\$609,340	\$0
Total	\$609,340	\$0

This project was a roof replacement on the original portion of this building. The roof is a modified bituminous membrane type. Work is complete. **This will be the last report.**

Under Construction

Miami University
Physical Facilities Department
Status of Capital Projects Report

13. Middletown Campus - Johnston Hall Second Floor Renovation:

Approved Budget: \$301,473 (Revised since last report - \$287,697)

Project Completion: August 2009

	Funded	Planned
State	\$301,473	\$0
Total	\$301,473	\$0

This project provided additional faculty office space by increasing the efficient use of space on the second floor of Johnston Hall. This was accomplished by extending a hallway and rearranging classroom and office spaces. In addition, renovation of existing offices was performed, including new carpet and painting. Work is complete. **This will be the last report.**

14. Middletown Campus - Thesken Hall Second Floor Renovation:

Approved Budget: \$161,146

Project Completion: August 2009

	Funded	Planned
State	\$161,146	\$0
Total	\$161,146	\$0

This project provided modifications to existing faculty support office space on the second floor of Thesken Hall. In addition, the restrooms were updated and modified to meet ADA accessibility requirements. Work is complete. **This will be the last report.**

15. Pearson Hall Closed Circuit Cooling Tower Replacement:

Approved Budget: \$117,045

Project Completion: September 2009 ((Revised since last report - August 2009))

	Funded	Planned
Local-CR&R	\$1,000	\$0
State	\$116,045	\$0
Total	\$117,045	\$0

This project will replace the closed circuit cooling tower in Pearson Hall along with the circulating pumps and miscellaneous piping and ductwork components. This cooling tower serves over 40 growth chambers in Pearson Hall. All major construction activities have been completed; currently completing project closeout and final punch list items. **This will be the last report.**

Under Construction

**Miami University
Physical Facilities Department
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16. Pearson Hall Laboratories: (BOT Dec '08)

Approved Budget: \$2,226,233

Project Completion: December 2009

	Funded	Planned
State	\$997,408	\$0
Local	\$814,606	\$0
CR&R 2009	\$206,002	\$0
Bond-Series 2007	\$208,217	\$0
Total	\$2, 226,233	\$0

This project will renovate and reassign the Animal Care space in Pearson Hall that was vacated as a result of the completion of the new Psychology Building. Zoology, Botany, and Microbiology will share the five multidisciplinary laboratory spaces, support facilities and offices. A sixth laboratory suite will house the Center for Bioinformatics and Functional Genomics. Construction began in Feb 2009. Laboratory casework, flooring and ceiling grid has been installed. Final painting is underway. The new air handler and ductwork have been installed. In-wall power and data is complete. Surface mounted power is being installed. Project is on schedule for occupancy in the spring semester, 2010.

17. Pearson Hall Roof and Exhaust Fan Replacement: (BOT Dec '08)

Approved Budget: \$2,090,197 (Revised since last report - \$2,087,753)

Project Completion: December 2009

	Funded	Planned
State	\$2,045,199	\$0
Local-CR&R	\$44,998	\$0
Total	\$2,090,197	\$0

This project will replace most of approximately 100 exhaust fans with several manifold exhaust systems and only a few central exhaust fans. This arrangement will provide a more energy efficient exhaust system and remove many of the fans from their roof mounting. Also, part of this project will be the replacement of approximately 20,000 square feet of the original 20-year-old roof. The construction is occurring in three phases; the first phase is complete and work is underway on phase two.

Under Construction

Miami University
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18. Presser Hall Renovation: (BOT Jun '06)

Approved Budget: \$9,961,000 (Revised since last report - \$9,945,000)

Project Completion (CPA portion): August 2009

	Funded	Planned
State	\$3,015,740	\$0
Local-CR&R	1,127,947	\$0
Local-Divisional	\$384,078	\$0
Bond-Series 2003	\$45,000	\$0
Bond-Series 2005	\$623,290	\$0
Bond-Series 2007	\$4,764,945	\$0
Total	\$9,961,000	\$0

(Presser Hall portion of work completed per previous report.) An analysis of the spaces to be vacated in Hiestand Hall and the Center for Performing Arts was completed to determine the extent of work required to accommodate the Theater Department's needs in preparation for their move from Presser Hall to Hiestand Hall and the Center for Performing Arts. The Hiestand Hall portion of work was completed prior to the Presser Hall work. Remodeling for the Dean's suite and improvements for the Theater Department in the CPA building was bid in November. Due to delay in the completion of offices, the remaining portion of the CPA renovations, improvements to Room 142 for the scene shop expansion, was bid in April. Contractors mobilized the site and all work was completed in August 2009. **This will be the last report.**

19. Residence and Dining Halls Summer Painting 2009:

Approved Budget: \$110,285

Project Completion: August 2009

	Funded	Planned
Auxiliary-CR&R	\$110,285	\$0
Total	\$110,285	\$0

This project was to paint the exterior of Flower, Emerson and Dodds Halls. These buildings have not been painted in ten years and are on the regular preventative maintenance schedule. Work is complete. **This will be the last report.**

Under Construction

Miami University
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20. Richard Hall Partial Roof Repair:

Approved Budget \$232,971

Project Completion: August 2009

	Funded	Planned
Auxiliary-CR&R	\$232,971	\$0
Total	\$232,971	\$0

This project included the repair of flashing and sheet metal on the clay tile sections of the roof as well as the replacement of any damaged tile. Work is complete. **This will be the last report.**

21. Shriver Center 1809 Room Renovation: (Previous Report – In Design)

Approved Budget: \$406,000

Project Completion: September 2009

	Funded	Planned
Auxiliary-CR&R	\$406,000	\$0
Total	\$406,000	\$0

This project will create a new service line for the 1809 Room in support of a new operational model that eliminates table service. The renovation will include creating a new point of sale along with food prep and pickup zones. Scope will not only include casework, wall and floor finishes, ceiling, and lighting in the area of the serving line, but also an increase in work area which will accommodate much needed new kitchen equipment. Construction began July 14.

22. Steam Plant Boiler Pollution Controls Upgrades: (BOT Feb '07) (BOT Jun '07)

Approved Budget: \$16,781,232 (Revised since last report - \$16,831,232)

Project Completion: November 2009 (Revised since last report - July 2009)

	Funded	Planned
State	\$1,679	\$0
Auxiliary-CR&R	\$6,667,453	\$0
Bond-Series 2007	\$10,112,100	\$0
Total	\$16,781,232	\$0

A boiler MACT study has indicated a number of options for the necessary upgrades to the boiler pollution controls in order to meet the MACT regulations which were scheduled to go into effect in September 2007. In order to meet the EPA requirement while installing the new equipment, a one-year time extension has been granted from the

Under Construction

**Miami University
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Steam Plant Boiler Pollution Controls Upgrades (continued):

Ohio EPA. Since this time, the MACT has been vacated by the courts so the compliance date is indeterminate. Additionally, Miami will burn natural gas rather than coal during the transition period and during part of the construction period. All major equipment has been delivered. The temporary boilers brought in to support boilers #2, #3, and #4 have been removed. Boilers #1, #2, and #3, are operational on low-sulfur coal, and will be tested on high-sulfur coal utilizing the new scrubber system during the fall 2009 when boiler #1 is completed. (Testing cannot occur until the weather is favorable for steam load conditions in November.) The contractor and supplier are working on finishing items for start-up of the lime system.

23. Steam Plant Coal Bunker #3 Upgrade: (Previous Report – In Design)

Approved Budget: \$82,500

Project Completion: September 2009 (Revised from last report - August 2009)

	Funded	Planned
Auxiliary-CR&R	\$82,500	\$0
Total	\$82,500	\$0

The coal bunker for #3 boiler has serious rust formation on the inside and needs to be relined. Construction has begun with a projected completion date by the end of September 2009.

24. Steam Plant Re-roof:

Approved Budget: \$218,000

Project Completion: November 2009

	Funded	Planned
Auxiliary-CR&R	\$218,000	\$0
Total	\$218,000	\$0

The original Steam Plant roof is now 30 years old and in need of replacement. There have been numerous leaks in recent years and the roof is well beyond its life expectancy. This project consists of removal of the existing ballasted roof membrane system on the upper levels at the north end of the building, including insulation, and replacement with a fully adhered 20 year roofing system. Bids have been awarded and the work is in progress.

Under Construction

**Miami University
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25. Walks and Drives 2009:

Approved Budget: \$367,433

Project Completion: August 2009

	Funded	Planned
Local-CR&R	\$5,000	\$0
Auxiliary-CR&R	\$13,827	\$0
State	\$348,606	\$0
Total	\$367,433	\$0

This project includes the annual repair and replacement of campus walks, drives, curbs, gutters and parking lots. Work has been completed on the asphaltic concrete repaving phase of this project. Repaving of the Tappan Hall Parking lot, the west entrance area at Yager Field, the speed bumps on Irvin Lane, and the repaving of Withrow Court parking lot are complete. The concrete phase of this project is also complete. Project is in close-out stage. **This will be the last report.**

26. Western Campus Duck Pond Bridge Renovation:

Approved Budget: \$648,042

Project Completion: August 2009

	Funded	Planned
Local-CR&R	\$205,839	\$0
State	\$442,203	\$0
Total	\$648,042	\$0

As a result of age and last winter's weather, a portion of the south wall of the bridge at the Duck Pond on Western Campus collapsed. The exposed foundations were of poor construction for bridge walls and dam spillway work. Construction has been completed. **This will be the last report.**

Under Construction

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

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Under Construction

**Miami University
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Status of Capital Projects Report**

**IN DESIGN
(Pre-contract)**

1. Alumni Hall Roof Replacement:

Estimated Budget: \$294,820 (Revised since last report – \$267,000)

Estimated Start: September 2009 (Revised since last report – August 2009)

Estimated Completion: November 2009 (Revised since last report - October 2010)

	Funded	Planned
State	\$294,820	\$0
Total	\$294,820	\$0

This project will replace approximately 11,600 square feet of the existing roof system on seven areas of the building with new insulation and a single-ply membrane roof system. Work includes removal of limestone copings, installation of metal cap flashing, and reinstallation of copings. Mortar joints in adjacent parapet walls will be replaced. Bids were opened in July. Currently awaiting release of state funds for construction contracts. Expected start is late September with completion in November.

2. Bicentennial Student Center: (BOT Apr '08)

Estimated Budget: TBD

Estimated Start: September 2011

Estimated Completion: August 2014

	Funded	Planned
Student Facilities-CR&R	\$50,000	TBD
Bonds	\$0	\$3,153,200
Total	\$50,000	\$3,153,200

This project provides spaces for student organizations, student engagement activities, food service venues, a theater, lounges and various ancillary spaces. A final review of the schematic design was completed in late June 2009. Project schedule is currently being reviewed.

In Design

**Miami University
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3. Central Campus Electrical Modifications: (BOT Apr '08) (BOT Sep '08)

Estimated Budget: \$3,300,000

Estimated Start: March 2010

Estimated Completion: February 2011

	Funded	Planned
Bonds	\$99,800	\$3,200,200
Total	\$99,800	\$3,200,200

Electrical substation number one is located in Gaskill Hall which is now scheduled for deconstruction within two years. This project will make timely modifications to our primary electric distribution system in this area of campus with the relocation of the substation. A completed schematic design provides a plan to accomplish this goal. Project is nearing the end of design development phase.

4. Central Campus Water and Sewer Modifications: (BOT Apr '08) (BOT Sep '08)

Estimated Budget: \$1,200,000

Estimated Start: July 2010

Estimated Completion: February 2011

	Funded	Planned
Bonds	\$25,100	\$1,174,900
Total	\$25,100	\$1,174,900

This project will modify and install new water lines to serve the domestic and fire protection requirements of the central part of the campus including the additional needs of the new Bicentennial Student Center. There will be significant work upgrading the storm sewers in the southeast area of the central campus and along Spring Street as well. The design associate has completed the study. This project is on hold pending decisions on related projects.

In Design

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

5. CPA Air Handler Modifications:

Estimated Budget: \$91,000
Estimated Start: November 2009
Estimated Completion: January 2010

	Funded	Planned
Local	\$91,000	\$0
State	\$0	\$100,000
Total	\$91,000	\$100,000

The main air handler that supplies air conditioning for the large performance hall has noise and vibration problems and needs major modifications to correct the problem. This project will replace the main supply fan section with a fan wall system. New controls and VFDs will also be replaced in this project. The project has been expanded to include replacing the chilled water coils in air handling units 1 and 3. The project is out to bid.

**6. Hamilton Campus – Gymnasium and Phelps Emergency Generator Replacements:
(New Project This Report)**

Proposed Budget: \$116,385
Estimated Start: May 2010
Estimated Completion: August 2010

	Funded	Planned
State	\$0	\$116,385
Total	\$0	\$116,385

This project will replace the existing emergency generators in both buildings. The new generators will be larger and capable of handling the need for increased emergency lighting in each building. This will also add backup emergency power for the existing fire alarm systems.

In Design

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

7. Kreger Hall Renovation: (BOT Apr '08)

Estimated Budget: \$16,000,000
Estimated Start: January 2010
Estimated Completion: April 2011

	Funded	Planned
State	\$0	\$8,550,000
Local-CR&R	\$400,000	\$0
Bond-FY09	\$0	\$7,050,000
Total	\$400,000	\$15,600,000

This project will completely rehabilitate Kreger Hall to accommodate relocation of the Physics Department from Culler Hall. Work will include all new building systems and finishes, building envelope upgrades, and a small addition to the south side of the building to accommodate existing and anticipated programmatic needs identified in the program of requirements. Design development review has been completed and the project is currently on hold.

8. Laws Hall Renovation: (BOT Jun '07) (BOT Jun '09)

Estimated Budget: \$6,400,000
Estimated Start: January 2010
Estimated Completion: March 2011

	Funded	Planned
State	\$906,989	\$5,493,011
Total	\$906,989	\$5,493,011

This project was initially conceived to completely rehabilitate Laws Hall after it is vacated by the School of Business. The project scope has been reduced to include only interior renovations, new windows on the first and second floors, and essential site utility work as a first step of the eventual total building rehabilitation. Scope of the first phase includes major interior renovations to the first floor and basement to accommodate the public functions of the new science, business, and engineering library. The Brill Science Library in Hughes Hall will remain in use as a closed stack until phase two is completed. The second and third floors of Laws Hall will receive cosmetic improvements only, as necessary for reassignment of spaces to other divisions. Design work was temporarily deferred to consider realignment of project scope and project budget. Hazardous material abatement contract has been awarded and is scheduled to commence mid-September. Construction documents are complete and project is scheduled for bidding in late-September.

In Design

**Miami University
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9. Millet Hall Emergency Generator and Emergency Lighting Upgrade:

Estimated Budget: \$203,508

Estimated Start: October 2009

Estimated Completion: January 2010

	Funded	Planned
State	\$18,500	\$185,008
Total	\$18,500	\$185,008

This project will install a 60kw emergency generator to replace the existing 30kw, which is old and unreliable. The increase in size is needed to add more emergency lighting to the arena. Current lighting levels do not meet the building or electrical code standards. The project is currently in the design development phase.

10. Upham Hall North Wing Renovation: (BOT Jun '07) (BOT Jun '09)

Estimated Budget: \$5,100,000

Estimated Start: August 2009

Estimated Completion: July 2010

	Funded	Planned
State	\$407,476	\$4,692,524
Total	\$407,476	\$4,692,524

This project will rehabilitate the north wing of Upham Hall after it is vacated by the School of Business. Approximately 9,000 gsf of the ground floor will be renovated to accommodate the Electron Microscopy Facility. The upper floors will receive minor repairs only, as necessary to accommodate the Department of Statistics, the Institute of Environmental Sciences, and expansion of support spaces for various departments and programs within the College of Arts and Science. The elevator in the north wing will be relocated and a new ADA accessible entry will be added at the northwest entry on the first floor. The bidding phase was delayed in order to obtain additional consultation on the specialty floor slab design in the microscope facility. The bidding phase is now ongoing with bids expected in mid-September.

In Design

**Miami University
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11. Walks and Drives – Sundial to Spring Street:

Estimated Budget: \$131,644 (Revised from last report - \$120,691)

Estimated Start: August 2009

Estimated Completion: October 2009

	Funded	Planned
State	\$10,952	\$73,073
Local-CR&R	\$47,619	\$0
Total	\$58,571	\$73,073

This project will replace or renovate the walkway from the Sundial to Spring Street. Preliminary studies indicate that the sidewalk is also the roof of the utility tunnel directly below. A coating has been installed to an existing sidewalk elsewhere on campus to test the durability of a new material that may be an alternative and less costly solution. An analysis of the coating viability is currently being determined. Additional cost estimates and options are being evaluated.

12. Western Steam Loop Connections – Phase 3:

Estimated Budget: \$2,070,000

Estimated Start: May 2010

Estimated Completion: November 2010

	Funded	Planned
State	\$154,010	\$1,770,990
Local-CR&R	\$70,000	\$0
Auxiliary-CR&R	\$75,000	\$0
Total	\$299,010	\$1,770,990

This project will continue the construction of a utility tunnel on Western Campus and in this phase the tunnel will connect the previous phase tunnel in front of Boyd Hall to the existing tunnel on the north side of Peabody Hall. When this is complete the steam system will have an adequate back-up to feed into the central part of campus. A design associate has been selected and is working on the design development phase of the project. Related to this project, new branch tees and valves were installed during the annual steam shutdown in May 2009 to be ready for the work on the main project to begin in 2010.

In Design

**Miami University
Physical Facilities Department
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13. Withrow Court Fire Alarm: (New Project This Report)

Proposed Budget: \$160,000

Estimated Start: May 2010

Estimated completion August 2010

	Funded	Planned
State	\$6,040	\$153,960
Total	\$6,040	\$153,960

This project will install a new, modern fire alarm system to replace the existing system, which is antiquated, prone to failure and provides very minimal building coverage.

14. Yager Stadium Transformer Replacement:

Estimated Budget: \$75,000

Estimated Start: October 2009 (Revised from last report - June 2009)

Estimated Completion: November 2009 (Revised from last report – August 2009)

	Funded	Planned
Auxiliary-CR&R	\$75,000	\$0
Total	\$75,000	\$0

This project will replace the transformer and primary cable under the west stands at Yager Stadium. The existing transformer is under-sized and the cable is aluminum. The new transformer will be sized to handle the new lighting that has been installed at the women's field hockey field and the replacement cable will be copper. The transformer has been ordered and construction drawings are being prepared for bidding.

In Design

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

15. Yeck - Old Miami Memorial:

Estimated Budget: TBD

Estimated Start: TBD

Estimated Completion: TBD

	Funded	Planned
Gift	\$100,000	TBD
Total	\$100,000	TBD

This project will create an outdoor plaza and indoor display area at Harrison Hall commemorating the "Old Miami" campus. It will include bronze models of "Old Main" (original Harrison Hall), Elliott Hall and Stoddard Hall and will be located at the northeast exterior corner of Harrison Hall. A concept is being planned to create a museum-like display of supporting information in a portion of Harrison's lobby. A design firm has been selected for the exterior plaza. The project has been put on hold until certain clarifications are confirmed with the donor. This will be the last report until the project is reactivated.

Intentionally blank

In Design

**Miami University
Physical Facilities Department
Status of Capital Projects Report**

**IN PLANNING
(Pre-A&E)**

1. Central Campus Chilled Water Modifications: (BOT Apr '08)

Proposed Budget: \$2,330,000

Desired Start: July 2012

Desired Completion: March 2013

	Funded	Planned
Bonds	\$172,052	\$2,157,948
Total	\$172,052	\$2,157,948

The Bicentennial Student Center will require significant additions and modifications to the chilled water system in order to support the cooling needs of the building. This project will include the installation of a new chiller in the South Chiller Plant and new larger piping from that plant to the chilled water pipe grid in the area of the new student center. The A/E contract has been finalized but the project has been put on hold pending decisions on related projects.

2. HC-Rentschler Hall Second Floor Renovation: (New Project This Report)

Proposed Budget: \$1,464,060

Desired Start: May 2010

Desired Completion: August 2010

	Funded	Planned
State	\$0	\$1,394,060
Local	\$70,000	\$0
Total	\$70,000	\$1,394,060

This project will renovate the second floor of Rentschler Hall which has been largely unoccupied since its primary function, the original campus library, was moved to Schwarm Hall in 1997. The 14,400 square feet floor area will include a mix of classroom and office space. New finishes, fire protection (sprinklers and alarm) system, new VAV boxes for HVAC upgrades, and new energy efficient light fixtures will be in the scope of work. The selection process for professional design services is in progress at this time.

In Planning

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3. Hughes Hall East Wing Laboratory Renovation:

Proposed Budget: \$3,000,000

Desired Start: TBD (Revised from last report - May 2010)

Desired Completion: TBD (Revised from last report - August 2010)

	Funded	Planned
TBD	\$0	\$3,000,000
Total	\$0	\$3,000,000

Plans are being developed to renovate the “A” wing (second and third floor instructional chemistry laboratories) for the teaching of organic and analytical chemistry. The existing wet labs will be designed with a new layout, upgraded technology and finishes to accommodate present and future instructional requirements. Funding sources are being reviewed. An RFQ for design services has been written. Project is currently on hold.

4. Pearson Hall Laboratory Instructional Technology Upgrades:

Proposed Budget: \$1,000,000

Desired Start: May 2010

Desired Completion: August 2010

	Funded	Planned
TBD	\$0	TBD
Total	\$0	TBD

This project will upgrade classroom teaching technology to meet current standards used in the College of Arts and Sciences. The final scope of the project is under review pending identification of funding sources.

In Planning

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5. Phillips Hall Art Center:

Proposed Budget: \$2,000,000

Desired Start: May 2010

Desired Completion: December 2010

	Funded	Planned
Local-CR&R	\$0	\$1,950,000
Bond-FY09	\$50,000	\$0
Total	\$50,000	\$1,950,000

The Art Center/Craft Summer Program offers various art classes to students and the community. The current location of the Art Center/Craft Summer Program is Rowan Hall. The current amount of net assignable square feet allocated to the Art Center/Craft Summer Program is approximately 5,182 nsf. All functions and space assignments are proposed to be relocated to the Phillips Hall old natatorium, rooms 103, 103A, B, and C. All spaces proposed in Phillips Hall for the Art Center/Craft Summer Program will be completely rehabilitated including adaptation of the swimming pool area and all major HVAC, electrical, lighting and other building systems. The relocation of the Art Center/Craft Summer Program will allow for the removal of Rowan Hall in anticipation of the new Bicentennial Student Center. Programming and budget analysis is complete. Basic design services will begin dependent upon the rescheduling of the Bicentennial Student Center project.

6. Student Housing and Dining Long Range Master Planning: (BOT Jun '09)

Proposed Budget: \$350,000

Study Started: August 2006

Desired Study Completion: December 2009

	Funded	Planned
Auxiliary-CR&R	\$40,000	TBD
Total	\$40,000	TBD

A campus wide committee has been working on a master plan to update student on-campus housing and related dining facilities. CBT Architects of Boston, Massachusetts was selected as the A/E firm for master planning. Building assessments and initial research for the master planning effort have begun. The entire master planning process is expected to last approximately one year.

In Planning

**Miami University
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7. Water System Upgrades:

Proposed Budget: \$266,766

Desired Start: May 2010

Desired Completion: August 2010

	Funded	Planned
State	\$0	\$266,766
Total	\$0	\$266,766

This project will install a new water line to serve King Library and Hall Auditorium, and add another water line to connect an existing water line west of McKie Field to the main line on Tallawanda Road. After better understanding the scope of work involved, the project has been deferred until 2010 to avoid conflicts with bicentennial activities. The selection process for engineering services has been completed with Woolpert Inc. being the chosen firm. Project scope definition and design will commence in the fall of 2009.

Intentionally blank

In Planning

**Miami University
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COMPLETED PROJECTS WITH OPEN ACCOUNTS

1. Farmer School of Business: (Previous Report – Under Construction)

(BOT Apr '07) (BOT Dec '07) (BOT Jun '08) (BOT Dec '08)

Approved Budget: \$64,298,842 (Revised since last report - \$64,223,842)

Project Completion: June 2009

	Funded	Planned
State	\$3,000,000	\$0
Bond-Series 2005	\$1,473,300	\$0
Bond-Series 2007	\$22,076,700	\$0
EOY/Gift	\$0	\$1,303,842
Gift	\$25,000,000	\$11,445,000
Total	\$51,550,000	\$12,748,842

This project involved the relocation and consolidation of the six departments of the Farmer School of Business into one new building located on the southwest corner of the east quadrangle. Final inspections are complete and the Certificate of Occupancy has been issued. The contractors are working on punch list items, clean up, demobilization and site restoration. Landscaping is being completed at this time. **This will be the last report.**