

FCR 11

Office of the President
March 19, 2013

Members, Board of Trustees:

CAPITAL CONSTRUCTION REPORT

Recommendation: that the capital construction report for the three months ending December 31, 2012 be accepted. This report refers only to projects that had activity within this quarter.

Background: Under House Bill 622 enacted in the 1982 session of the Kentucky General Assembly, the University is authorized to enter into architectural, engineering, and related consultant contracts for the purpose of accomplishing capital construction at the University of Kentucky.

For the period October 1, 2012 thru December 31, 2012:

There were six new contracts this quarter:

Project 2345.0	Renovate/Expand Gatton Building Ross Tarrant Architects, Inc., \$3,716,149 (<i>Design</i>) SKANSKA USA Building, \$57,000 (<i>Pre-Construction</i>)
Project 2346.0	Renovate Dental Class Labs (Room 611) Stengel-Hill Architects, \$259,900 (<i>Design</i>)
Project 2349.0	Renovate/Expand Soccer Facilities Lockett & Farley, \$613,500 (<i>Design</i>)
Project 2353.0	Renovate Robotics Building Bender Associates Architects, \$105,000 (<i>Design</i>)
Project 2356.0	Repair/Upgrade/Expand Central Cooling Tower Staggs & Fisher Consulting Engineers, \$43,000 (<i>Design</i>)

Four contracts were completed this quarter:

Project 2312.01	Construct CAER Lab Building # 2 Turner Construction Co., \$16,219,304
Project 2313.01	Renovate 4 th Floor Sanders-Brown Center on Aging Messer Construction Co., \$3,725,895
Project 2315.0	Renovate Track & Field Facility Abel Construction Co., \$10,577,746
Project 2337.0	Renovate Parking Structure # 3 Structural Systems Repair Group, \$732,421

Two amendments were as follows:

- Project 2315.0 Renovate Track & Field Facility
- Provide for additional construction administration services and special inspections (+) \$79,029
- Project 2338.0 Renovate/Upgrade Softball Complex
- Provide for additional quality construction management staff during the construction administration phase (+) \$30,000

Four change orders greater than \$25,000 were as follows:

- Project 2315.0 Renovate Track & Field Facility
- Provide and maintain temporary construction access road for movement of equipment and materials (+) \$31,408
- Project 2337.0 Renovate Parking Structure # 3 - UKHC
- Provide credit to reduce allowance of exterior finishing systems (-) \$96,608
- Project 2338.0 Renovate/Upgrade Softball Complex
- Provide for hub pipe in all underground installations (+) \$28,587
 - Provide for coordination of miscellaneous electrical components with the design (+) \$35,387

Action taken: Approved Disapproved Other _____

CAPITAL CONSTRUCTION CONTRACTS QUARTERLY ACTIVITY REPORT

This report contains capital projects that have a dollar scope value of \$600,000 and above. The projects are listed in alphabetical order and contain the project number, the dollar scope, a brief description of the project work and information pertaining to the primary consultant's contract and the primary contractor's contract. This information includes:

Consultant: This section contains the name of the consultant, the contract number, the original contract amount, the total number of amendments, the cumulative amendment amount, the revised contract amount, and a notes section. The notes section will describe, in bold face type, all amendments to the consultant's contract for the current quarter.

Contractor: This section contains the name of the contractor, the contract number, the original construction contract amount, the total number of change orders, the cumulative change order amount, the revised contract amount, information on the low, high and number of bids, the percent of the contract completed, and a section for notes. The notes section will describe, in bold face type, all change orders greater than \$25,000 for the current quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY REPORT

Glossary

Amendment: refers to modifications or changes to the Consultant's contract with the University, usually the result of changes in the program or scope of a project caused by unforeseen conditions or at the request of the University.

Change Order: refers to modifications or changes to the Contractor's contract with the University, usually the result of conditions not anticipated by the contract documents, plans and/or specifications for the work.

Consultant: the entity, usually an architectural or engineering firm, with whom the University contracts and who has primary responsibility for providing services to design and to administer the contract for construction of a construction project. The prime consultant frequently employs the services of one or more sub-consultants in fulfilling its contractual obligation.

Contract administration: refers to the activities of the consultant during the construction phase of the project in which they verify that construction is in compliance with the requirements of the contract between the University and the contractor.

General Contractor: the entity, usually a general contractor but occasionally a trade contractor, with whom the University contracts and who has primary responsibility for completion the construction of a project. This "prime" contractor usually employs the services of various subcontractors (trade contractors) and vendors in fulfilling its contractual obligations.

Feasibility Study: refers to investigation, usually commissioned through an outside consultant, to advise the University of the merits of an anticipated construction project, and to evaluate and comment on matters such as need, probability cost, preliminary program issues, and so forth.

Gross square feet: the total area of the project, generally measured from the outside of exterior walls for all floors of the project, including mechanical spaces.

H.B.C.: refers to the Commonwealth of Kentucky Department of Housing, Buildings and Construction, the state agency having responsibility for review and approval of University construction projects to assure compliance with applicable building codes.

Penthouse: refers generally to the enclosure around roof mounted mechanical spaces in a project. Not considered occupied (or net assignable) space.

Percent complete: as used in the report refers to the expenditure to date divided by the total amount of the construction contract for the work.

Net assignable square feet: the usable area of the project excluding corridors, rest rooms, storage areas, mechanical spaces, etc.

Phase: The various stages of design and construction of a capital project, including:

- **Programming phase:** refers to the initial planning phase of a project, during which the University (with or without participation by a consultant) defines in detail the needs and requirements of a project. This program becomes the basis for consultant selection, fee negotiation, and design of the project.
- **Schematic design (S/D or Phase 1):** refers to the first formal phase of design by the consultant, in which a general design solution to project programmatic requirements is developed.
- **Design development (D/D or Phase 2):** refers to the second formal phase of design by the consultant, during which the schematic design is expanded to identify solutions to design issues in broad terms, sufficient to insure the stated programmatic needs can be met.
- **Construction document phase (C/D or Phase 3):** refers to the final phase of the design process in which the details and specific project requirements are identified and incorporated in a final set of biddable construction documents.
- **Bidding phase (Phase 4):** refers to the stage of a project during which proposals for construction are solicited, culminating in the award of one or more contracts for construction.
- **Construction phase (Phase 5):** refers to the actual construction of the project by contractors.

Scope: The total estimated value of a capital project on completion, including all design, construction and administrative costs as well as the cost of capitalized furnishings and equipment.

Substantial Completion: refers to the time during construction, certified by the consultant, when the work is sufficiently complete for the University to occupy the facility for its intended use without significant interruption. Upon certification of substantial completion, the University assumes operational and maintenance responsibility and insurance liability for the project and the warranty period begins for most elements of the construction. Some work generally remains, including correction of minor punchlist items, before the work is certified finally complete.

Trade Contractor: sub-contractors, or individual bid package contractors, who practice a specific, trade (electrical, painting, structural steel, for example).

**Major Projects
Capital Project Management Division
February 2013**

Ambulatory Electronic Health Record Equipment/System (EHR)

Project Description:

This project will upgrade the existing electronic information infrastructure to include building modifications and provide a common, secure electronic information infrastructure for sharing healthcare information. In addition the project will ensure interoperability among health record systems, which, if not implemented, could create up to a 3% reduction in Medicare reimbursements to the Hospital. The infrastructure portion of the project will take place in four phases impacting over 50 clinics. The phases will include an initial bid package supporting three pilot clinic activations and three subsequent bid packages resulting in all impacted clinics being upgraded to new operating standards. Extensive modifications to the cooling systems of the various communication closets are included in the project as well as upgrades to the various clinics' power and data systems.

Project Status:

Phase One of the electronic information infrastructure is complete.

Phase Two of the project which includes electrical and telecommunication infrastructure in numerous clinics in the Kentucky Clinic, Good Samaritan Hospital and Good Samaritan Office Building is nearing completion. The work is approximately 97% complete and moving forward on schedule. This work is scheduled to be complete March 2013. Equipment start-up and remaining final inspections occurred during February. Clinics upgraded in this phase are scheduled to go live with electronic information systems in a staggered release over the next three months.

Phase Three of the project which included infrastructure work in KMSF leased clinics is now complete. Clinics in Richmond, Morehead, Perimeter Drive, Kentucky Clinic South and the Good Samaritan Professional Arts Center were included in this phase. All clinics in this phase are now ready for the installation of end user equipment.

The overall project continues to move forward on schedule and within budget.

Campus Security System

Project Description:

This project includes various security initiatives using a centralized safety response to campus monitored from the Police Department located in the Safety and Security Building. The project includes a geo-diverse video management (VMS) and security management system (SMS) that provides situational awareness to targeted areas on campus and event driven analytics to alert University Campus Police of possible threats to campus. This project will provide campus-wide camera monitoring, early warning systems speakers, and other communication devices to monitor and respond to campus incidents. The project will provide the infrastructure necessary for proposed installations and incorporate or replace legacy systems to a single security system.

Project Status:

Proposals were received and Dallman Systems, Inc. of Jeffersonville, IN was selected. Notice to Proceed was issued and design deliverables are being prepared.

Construct UK/Nicholasville Road Flood Mitigation

Project Description:

This project will construct three separate improvements, to provide 100 year storm (and lesser storm) mitigation to prevent roadway overtopping and improve pedestrian safety addressing storm water quantity within this one campus water shed. 1) Area between Alumni Drive and Shawneetown Drive (includes permanent removal of Shawneetown Drive and relocation of existing utilities) will be excavated for additional storm water detention. 2) Existing culvert upgrade at the upstream side of Nicholasville Road. 3) Portions of impervious pavements for the football stadium will be removed and replaced with pervious pavements. The \$8,015,463 project will be funded by a federal grant of \$6,011,597 from FEMA with the balance of \$2,003,866 being the in-kind value of the 3.6 acres of University of Kentucky land determined by adjacent property values. Water quality related issues may also be part of the project scope depending on available funds and compatibility with storm water quantity design.

Project Status:

No change this quarter. Awaiting written confirmation /authorization of additional funding. Written approval of the FEMA amendment remains tentatively scheduled for early 2013. Utility relocate negotiations continue while work on Design Development must wait until receipt of the written approval of FEMA amendment.

Expand/Renovate Ambulatory Care: Orofacial Pain Clinic

Project Description:

This phase of the Expand/Renovate Ambulatory Care project will renovate approximately 2,850 square feet on the second floor of the Kentucky Clinic Building, Wing C. This phase will include operatories, consulting exam rooms, a waiting room, resident carrel space, lab and supplies space, and radiographic equipment space.

Project Status:

Substantial completion was achieved on 2/13/13. All major equipment is installed. The clinic is expected to open in March 2013.

Renovate Academic Facility – University Lofts Facility

Project Description:

This project will renovate the 110,000 gross square foot facility into classrooms, class labs/studios, office and support space for the College of Fine Arts. The improvements will also include necessary upgrades of the building systems such as communications, plumbing, HVAC, electrical, fire safety and security.

Project Status:

Design Development documents will be delivered to the University in March 2013. Upon approval to proceed the design team will begin the final design phase.

Renovate Dental Class Labs (Room 611)

Project Description:

The project includes upgrading ventilation systems, modernizing and enhancing technology utilized in training dental students, and accommodating additional student dental workstations and workspaces in the Student Simulation Lab.

Project Status:

Bids for construction were received on 1/24/13. We are currently finalizing the construction contract with the low bid contractor. Construction is expected to begin 3/4/13 with substantial completion on 8/5/13.

Renovate Robotics Building

Project Description:

The Center for Biomedical Engineering (CBME) was transferred administratively to the College of Engineering effective July 1, 2010. CBME is currently in the Wenner-Gren Research Lab. A key component of this transfer is the relocation of the CBME from the Wenner-Gren buildings to the 5th floor of the Center for Robotics and Manufacturing Systems (CRMS). The relocation is needed to take advantage of the many collaborative research opportunities between the CBME faculty and the various other Engineering faculty in and near the CRMS building. The project will completely renovate eight (8) existing labs to accommodate the relocation, as well as renovate two former labs into shared equipment rooms and graduate student office space. The approximate square footage of the planned renovation will be 3,500.

The legislative authorized scope and current project estimate is \$3,842,000. The current total available funding is only \$1,800,000 therefore the University intends to prioritize the improvements and install all the utilities in this first phase thereby enabling future connections as additional funds become available.

Project Status:

The project is in the final stages of the programming phase. Upon submission and approval of the program and program estimate, the project will proceed into the design phases. The project is scheduled to bid in early April so that construction may commence in May.

Renovate Schmidt Vocal Arts Center

Project Description:

This project will complete the renovations to include rehearsal rooms, teaching studios, practice rooms, a music library, office space for staff and graduate assistants and enhancements to the building's main entrance.

Project Status:

The project will be bidding in March. Substantial completion is expected to be in October, 2013.

Renovate/Expand Gatton Building

Project Description:

This project includes renovating and expanding the existing 138,400 gross square foot Gatton Building. The expansion will include a three story addition consisting of 65,727 gross square feet comprised primarily of community-oriented space to include an atrium, with a café and seating area, classrooms, and a 500 seat auditorium. The addition will become the primary entrance to the building and will be accessed from central campus. A secondary entrance from South Limestone St. will also be incorporated in the renovated space. The original 1963 building will provide various types of space for faculty and students; the classrooms in the 1991 addition will be renovated and updated to include the latest technology. When completed, the building will have a total of 204,127 gross square feet.

Project Status:

Ross Tarrant Architects was selected as the prime architectural firm and is working in association with Robert A.M. Stern Architects to provide architectural services for this renovation/expansion project. Visits were made to multiple peer sites to benchmark what other Universities have done. In addition, Skanska has been selected to provide construction management services for this project. The program has been finalized and schematic design is currently in progress. The consultants (Ross Tarrant Architects) are assisting the college with fund raising efforts. The consultants are currently working with Skanska to establish the project schedule.

Renovate/Expand Soccer Facilities

Project Description:

This project will renovate and expand the University's soccer facilities to include locker, shower, and lounge space for the men's and women's soccer teams, training and umpire rooms, and new seating and a press box. This project will also include upgrades to plumbing, electrical, and HVAC systems.

Project Status:

Bids were received and Codell of Winchester, KY is the apparent low bidder. Contract Award and Preconstruction meetings are tentatively scheduled for late February 2013.

Renovate/Upgrade Softball Complex

Project Description:

This project consists of 1) Spectator seating and amenities, including replacement of the existing portable seating sections for softball with new treads and risers from end to end of the dugouts that will provide approximately 400-600 new fixed chair back seats, and a combination of 600-800 of bleachers for a total permanent seating capacity of around 1200, including new elevated terraces overlooking the field at the back of the new grandstands and new press facilities, 2) New indoor practice facilities, 3) Playing field improvements, including site lighting and entry plaza to the complex including a new ticket facility and 4) New Team Building with coaches offices, team locker, lounge and equipment facilities for softball.

Project Status:

Work continues on the softball stadium. The first spring game is on Wednesday, March 6th. The work on the batting pavilion includes setting structural frame and construction of masonry walls. The pavilion is scheduled to be complete May 1st in preparation of University hosting the SEC softball tournament in mid-May.

Repair/Upgrade/Expand Central Cooling Tower

Project Description:

The Medical Center Cooling Plant provides chilled water to the campus loop as well as the Medical Center. The cooling tower is in excess of 10 years old. This tower does not meet today's cooling capacity requirements due to increased loads and other inefficiencies.

Project Status:

Bids for construction were received on 2/6/13 and are being reviewed.

Repair/Upgrade/Improve Mechanical Infrastructure (Steam Line Farm Road)

Project Description:

The Farm Road steam line delivers steam from the campus steam plants to the following buildings: Gluck Equine, Plant Science, E.S. Good Barn, KY Tobacco Center, and BCTCS. The steam is used for building heat, steam

humidification, cleaning, and sterilizers. This project replaces the steam and condensate piping from the E.S. Good Barn to the Gluck Building. The 25 year old piping has deteriorated beyond repair. The upstream and downstream sections have recently been replaced.

Project Status:

The proposals for design services were received on 12/6/12. Staggs & Fisher was the selected consultant. The project is in design with construction to occur in summer of 2013.

Central Hall I & II (Previously referred to as Haggin Honors Housing)

Project Description:

This project is the Phase 1 development of the partnership between the University of Kentucky and Education Realty Trust (EdR) to replace on-campus undergraduate and graduate student housing. The Haggin Honors Housing (Central I and II) is the first phase of this partnership and includes construction of two new buildings located in what was formerly a green field immediately to the east of the existing Haggin Hall. These buildings will provide a combined total of 601 new beds. The buildings are each four (4) stories high, plus a partial basement in the south building to house the Honor program. The south building also includes three (3) classrooms in the basement space.

Project Status:

These two buildings are currently under construction. The buildings are scheduled to be opened in August 2013. The project is currently on schedule. Below is a summary of the work currently in progress:

North Building – The building is dried in, windows have been installed, masonry is in progress at north, east and west courtyard elevations and drywall finishing continues on the 2nd floor.

South Building – Plumbing inspections are 75% complete, electric rough-in has started on 4th floor, drywall is on-going and KU is ready to set transformers.

Champions Court I & II (Previously referred to as “Blazer” & “Wildcat”)

Project Description:

This project is a part of the Phase 2A development of the partnership between the University of Kentucky and Education Realty Trust (EdR) to replace on-campus undergraduate and graduate student housing. The Champions Court I (CCI) building consists of 8 floors with 740 beds, and includes shelled space for fit-out of retail and classroom space. The Champions Court II (CCII) building consists of 427 beds on 5 floors and does not include shelled space. These buildings are being constructed on the site encompassed by Martin Luther King Blvd. to the west, Lexington Ave. to the east, Avenue of Champions to the south and north to include the Samaritan parking lot which is located just north of the former Joe B. Hall Wildcat Lodge. The Joe B. Hall Wildcat Lodge was demolished to make room for the new construction.

Project Status:

These two buildings, currently under construction, are scheduled to open in August 2014 and are currently on schedule. Below is a summary of the work currently in progress:

Champions Court I – Office trailer is set-up and in use. Mass excavation is complete excluding back-fill, drilled piers are complete, structural excavation is in progress, wall footings are in progress and the retaining wall at Pad C is in progress. The retaining, sheer, & stair shaft wall for Pad A are complete as well as the footing for shear walls at South Bridge building.

Champions Court II – Office trailer is set-up and temporary electric is scheduled. Mass excavation is about 75% complete and foundation installation has begun. Wall and column formwork is getting ready to begin and laydown areas have temporary roads installed to reduce soil on the street.

Woodland Glen I & II (Housing to replace Cooperstown Buildings D & E)

Project Description:

This project is a part of the Phase 2A development of the partnership between the University of Kentucky and Education Realty Trust (EdR) to replace on-campus undergraduate and graduate student housing. These buildings make up the first section of the Woodland Glen housing area. These two new buildings (WGI & WGII) will be 5 stories, with each providing 409 beds for a total of 818 beds. They will be located where the former Cooperstown D & E buildings were located. A total of three (3) classrooms will be included in these buildings.

Project Status:

Perimeter fencing has been erected around the project site. A contract that was issued to Dore Contracting to demolish the former Cooperstown D & E buildings has been completed. The new building contractors discovered fossil fuel contaminated soils from years of street run-off that are currently being remediated. This work was a found condition and is being coordinated through UK's Department of Environmental Health & Safety.

Site work is currently in progress. The buildings are scheduled to open for occupancy in August 2014. The buildings are currently on schedule.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Ambulatory Electronic Health Record Equipment System (EHR)

Project Number: 2335.0

Scope: \$4,861,760

Project Description:

This project will upgrade the existing electronic information infrastructure to include building modifications, to provide a common, secure electronic information infrastructure for sharing healthcare information. In addition the project will ensure interoperability among health record systems, which, if not implemented, could create up to a 3% reduction in Medicare reimbursements to the Hospital. The infrastructure portion of the project will take place in four phases impacting over 50 clinics. The phases will include an initial bid package supporting three pilot clinic activations and three subsequent bid packages resulting in all impacted clinics being upgraded to new operating standards. Extensive modifications to the cooling systems of the various communication closets are included in the project as well as upgrades to the various clinics' power and data systems.

Consultant: CMTA

Contract #	A121090	Original Contract Amount:	\$123,465
Total Amendments to Date:	1	Cumulative Amendment Amount:	\$253,890
Describe all Amendments:		Revised Contract Amount:	\$377,355

Amendment 1, 5/8/12, an increase of \$253,890 was approved to provide for complete design and construction administration required to activate an electronic health record system in an additional forty four clinics. No amendments this quarter.

Contractor: Jarboe Construction - Phase 1

Contract #	7500002862	Original Contract Amount:	\$164,800
Total Change Orders to Date:	6	Cumulative Change Order Amount:	\$6,638
Low Bid:	\$164,800	Revised Contract Amount:	\$171,438
High Bid:	\$203,300	Contract % complete:	100%
Number of Bids:	4		

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

Contractor: Jarboe Construction - Phase 2

Contract #	7500005737	Original Contract Amount:	\$711,000
Total Change Orders to Date:	6	Cumulative Change Order Amount:	\$35,435
Low Bid:	\$711,000	Revised Contract Amount:	\$746,435
High Bid:	\$798,500	Contract % complete:	98%
Number of Bids:	4		

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

Contractor: Eubank & Steele - Phase 2B

Contract #		Original Contract Amount:	\$604,000
Total Change Orders to Date:	1	Cumulative Change Order Amount:	\$983
Low Bid:	\$604,000	Revised Contract Amount:	\$604,983
High Bid:	\$774,000	Contract % complete:	60%
Number of Bids:	3		

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Campus Security System

Project Number: 2342.00

Project Description:

Scope: \$4,800,000

This project includes various security initiatives using a centralized safety response to campus monitored from the Police Department located in the Safety and Security Building. The project includes a geo-diverse video management (VMS) and security management system (SMS) that provides situational awareness to targeted areas on campus and event driven analytics to alert University Campus Police of possible threats to campus. This project will provide campus-wide camera monitoring, early warning systems speakers, and other communication devices to monitor and respond to campus incidents. The project will provide the infrastructure necessary for proposed installations and incorporate or replace legacy systems to a single security system.

Consultant: Biagi, Chance, Cummins, London & Titzer

Contract# A131060B Total

Original Contract Amount:

\$50,000

Amendments to Date: **Describe**

Cumulative Amendment Amount:

all amendments : No

Revised Contract Amount:

\$50,000

amendments this quarter.

Contractor: *No construction contract awarded to date

Contract#

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

Describe all change orders greater than \$25,000.00:

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct CAER Lab Bldg. #2

Project Number: 2312.01

Project Description:

Scope: \$20,984,305

The University is the recipient of a grant award from the National Institute of Standards and Technology (NIST) as part of the 'America Recovery and Renewal Act federal stimulus package to construct a new stand alone laboratory building for the University of Kentucky Center for Applied Energy Research located at Spindletop Research Park. Portions of the laboratory facility will be specially equipped to accommodate battery manufacturing R&D. Other portions of the building will be specially equipped to accommodate research related to biomass energy and biofuels, electrochemical energy storage, and solar energy.

Consultant: Murphy+Graves Architects

Contract# A101110	Original Contract Amount:	\$1,645,000
Total Amendments to Date: 1	Cumulative Amendment Amount:	\$200,300
Describe all amendments :	Revised Contract Amount:	\$1,845,300

Amendment# 1, 2/14/12, an increase of \$200,300 was approved to provide additional design, purchase, coordination and installation for the Energy Dashboard concept. This is an electronic educational interactive dashboard system for multiple locations throughout the building. **No amendments this quarter.**

Contractor: Turner Construction Note: This is a 'CM-At-Risk" contract. The amount will be increased as subcontracts are bid and added. ***Turner's contract was awarded by RFP process.**

Contract# 4500039389	Original Contract Amount:	\$15,409,330
Total Change Orders to Date: 142	Cumulative Change Order Amount:	\$809,974
Low Bid:	Revised Contract Amount:	\$16,219,304
High Bid:	Contract Percent Complete:	100%

Number of Bids:

Describe all change orders greater than \$25,000.00:

Change Order# 3, 1/21/11, was approved for an increase of \$146,400 to shift the underslab plumbing work from Bid Pack# 3 to Bid Pack# 1 facilitating the first floor slab being poured and completed earlier in the construction schedule resulting in cost savings. **Change Order# 22**, 9/15/11 was approved for an increase of \$55,965 to provide an equipment change allowing for a fan that will operate more efficiently at a lower usage. **Change Order# 23**, 9/15/11 was approved for an increase of \$50,307 to provide modification of the heat pump and ductwork layout to provide energy enhancement to the initial design. **Change Order# 24**, 9/15/11 was approved for an increase of \$60,218 to add in redundant pumps to provide greater system reliability in case of failure. **Change Order# 26**, 9/15/11 was approved for an increase of \$85,825 to add back the battery testing bunker bid package that was removed from Bid Pack# 3. **Change Order# 37**, 11/16/11, was approved for a decrease of \$191,492 to provide for value engineering changes after project bids were received. **Change Order# 49**, 11/1/11, was approved for an increase of \$52,188 to revise the primary power to support the power requirements for the project. This change is necessary due to found conditions and incorrect information in record documents of the utilities currently installed. **Change Order# 50**, 11/1/11, was approved for an increase of \$26,410 to provide oversized curb needed to close the roof opening for the strobic fan installation. **Change Order# 71**, 1/11/12, was approved for an increase of \$37,157 to provide power connections as required for the environmental chambers and to provide a filtered ceiling system. **Change Order# 78**, 2/2/12, was approved for an increase of \$30,433 to provide an electric meter, a chilled water system COP and a hot water system COP needed to accomplish the energy comparison between the CAER I and CAER II Lab for the Energy Dashboard. **Change Order# 92**, 3/5/12, was approved for an increase of \$37,624 to extend general conditions and project staffing for an additional twenty seven days. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct UK/Nicholasville Road Flood Mitigation

Project Number: 2336.00

Project Description: Scope: \$8,015,463

This project will construct improvements, to provide 100 year storm (and lesser storm) mitigation to prevent roadway overtopping and improve pedestrian safety addressing storm water quantity within this one campus water shed. The area between Alumni Drive and Shawneetown Drive (includes permanent removal of Shawneetown Drive and relocation of existing utilities) will be *excavated* for additional storm water detention. The project will also upgrade an existing *culvert* at the upstream side of Nicholasville Road. The \$8,015,463 project will be funded by a federal grant of \$6,011,597 from FEMA with the balance of \$2,003,866 being the In-Kind *value* of the 3.6 acres of University of Kentucky land determined by adjacent property values. Water quality related issues may also be part of the project scope depending on available funds and compatibility with storm water quantity design.

Consultant: Bell Engineering

Contract# A121130	Original Contract Amount:	\$637,000
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$637,000

No amendments this quarter.

Contractor: No construction contract awarded to date

Contract#	Original Contract Amount:	
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	
High Bid:	Contract Percent Complete:	

Number of Bids:

Describe all change orders greater than \$25,000.00:

Expand/Renovate Ambulatory Care: Orofacial Pain Clinic

Project Number: 2333.00

Project Description: Scope: \$1,448,000

This phase of the Expand/Renovate Ambulatory Care project will renovate approximately 2,850 square feet on the second floor of the Kentucky Clinic Building, Wing C. This phase will include operatories, consulting exam rooms, a waiting room, resident carrel space, lab and supplies space, and radiographic equipment space.

Consultant: Stengei-Hill Architecture

Contract# A121140	Original Contract Amount:	\$86,500
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$86,500

No amendments this quarter.

Contractor: Churchill McGee LLC

Contract# 7500009070	Original Contract Amount:	\$668,889
Total Change Orders to Date: 4	Cumulative Change Order Amount:	\$5,850
Low Bid: \$642,000	Revised Contract Amount:	\$674,739
High Bid: \$788,000	Contract Percent Complete:	55%

Number of Bids: 10

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

PCF- Hospital - CUP Expansion

Project Number: 2239.32

Project Description:

Scope: \$13,150,000

This is a portion of the larger Patient Care Facility Project (2239.0). The project includes an 18,000 square foot addition to the existing Central Utilities Plant on Press Avenue. The expansion will include provisions for two new 125,000 lb./hr boilers and additional chillers. The structure will include an enlarged cold well and basement in the cooling section. The boilers and supporting equipment will be installed under this project. Chiller purchases are not contemplated at this time.

Consultant: GBBN Inc.

See project 2239.0

Contract#

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

Contractor: Messer Construction Co.

Contract# 4500008954

Original Contract Amount:

\$9,474,000

Total Change Orders to Date: 49

Cumulative Change Order Amount:

\$774,121

Low Bid: \$9,474,000

Revised Contract Amount:

\$10,248,121

High Bid: \$10,400,000

Contract Percent Complete:

99%

Number of Bids: 2

Describe all change orders greater than \$25,000.00:

Change Order# 4, 12/10/07, was approved for \$37,518 to provide required additional rock and soil drilling. **Change Order# 7**, 2/21/08, was approved for an increase of \$53,981 to provide temporary building heat until the new dearator and surge tank are installed. **Change Order# 14**, 7/23/08, was approved for an increase of \$28,219 to change the boiler water piping from ductile iron to schedule 80 black steel pipe. **Change Order# 17**, 7/10/08, was approved for an increase of \$26,270 to install new platform in the northwest corner of the CUP addition to provide greater accessibility and safer access to valves and equipment. **Change Order# 21**, 7/23/08, was approved for an increase of \$45,585 to provide for additional costs resulting from the late delivery of the boilers provided by the University and resulting complications which impacted items on the critical path. Liquidated damages collected from the boiler manufacturer will be applied to the compensation associated with this change order. **Change Order# 30**, 8/11/08, was approved for an increase of \$28,249 to relocate the new condensate pump from the BBSRB tunnel to the College of Pharmacy tunnel. Provide valving to allow the pump to pump in either direction. This change allows for more versatile operation of the campus steam system. **Change Order# 34**, 10/30/08, was approved for an increase of \$52,257 to provide and install pipe insulation for the new boiler feed water piping and the boiler blow-down piping. **Change Order# 35**, 11/3/08, was approved for an increase of \$34,693 to provide and install two wye strainers and to install and connect the stack gas analyzers and Horiba panels. Because the boilers were a direct purchase by the University this scope of work was not originally included in the contract documents. **Change Order# 37**, 2/2/09 was approved for \$26,661 to revise the Civil Site plan to provide greater security and improve the utilization of the grounds north of the new construction. **Change Order# 44**, 2/24/10, was approved for an increase of \$25,745 to perform various items of work related to the boiler installation not included in the contractor's original contract documents. **Change Order# 45**, 2/24/10, was approved for an increase of \$54,881 to install a new VFD for each of eight ventilation fans. The high efficiency boiler operation required increased building temperature control to manage the combustion process of the burners of the two boilers.

No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate 4th Floor Sanders-Brown Center on Aging

Project Number: 2313.01

Project Description: Scope: \$6,428,471

This project will consist of renovating approximately 9,000 square feet of research support space in the Sanders-Brown Center. This project will include retrofitting outdated, noncompliant research support space and the associated mechanical equipment to meet current regulatory requirements. The project is fully funded from an NIH Grant as part of the ARRA.

Consultant: Omni Architects

Contract# A101140	Original Contract Amount:	\$562,119
Total Amendments to Date: 2	Cumulative Amendment Amount:	\$28,000
Describe all amendments :	Revised Contract Amount:	\$590,119

Amendment 1, 12/14/10, an increase of \$28,000 was approved for additional design and construction administration services associated with LEED certification. **Amendment 2**, 9/11/12 was a zero dollar amendment approved for administrative contract purposes adding special inspections as an acceptable reimbursable expense. **No amendments this quarter.**

Contractor: Messer Construction Co Note: This is a 'CM-At-Risk" contract. The amount will be increased as subcontracts are bid and added. ***Messer's contract was awarded by RFP process.**

Contract# 4500040166	Original Contract Amount:	\$3,702,329
Total Change Orders to Date: 18	Cumulative Change Order Amount:	\$23,566
Low Bid:	Revised Contract Amount:	\$3,725,895
High Bid:	Contract Percent Complete:	100%

Number of Bids:

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Academic Facility- University Lofts Facility

Project Number: 2339.00

Project Description:

Scope: \$800,000

This project will renovate the 110,000 gross square foot facility into classrooms, class labs/studios, office and support space for the College of Fine Arts. The improvements will also include necessary upgrades of the building systems such as communications, plumbing, HVAC, electrical, fire safety and security.

Consultant: Omni Architects

Contract# A130180

Original Contract Amount: \$584,437

Total Amendments to Date: 1

Cumulative Amendment Amount: \$10,000

Describe all amendments :

Revised Contract Amount: \$594,437

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract#

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

Describe all change orders greater than \$25,000.00:

Renovate Dental Class Labs (Room 611)

Project Number: 2346.00

Project Description:

Scope: \$4,700,000

The project includes upgrading ventilation systems, modernizing and enhancing technology utilized in training dental students, and accommodating additional student dental workstations and workspaces in the Student Simulation Lab.

Consultant: Stengel Hill Architecture

Contract# A131120

Original Contract Amount: \$259,900

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$259,900

No amendments this quarter.

Contractor: Enola Contracting Services, Inc.

Contract# 7500014738

Original Contract Amount: \$2,183,236

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$2,183,236

High Bid:

Contract Percent Complete:

Number of Bids:

Describe all change orders greater than \$25,000.00:

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Parking Structure #3- UKHC

Project Number: 2337.00

Project Description: Scope: \$988,824

This project will consist of the selective repair of the EIFS on the spandrels and column wraps, repair pre-cast and connections, concrete slab repair, recoating of structural steel components, barrier cable repair, replacement of doors and frames, and miscellaneous painting.

Consultant: Brown & Kubican

Contract# A121100	Original Contract Amount:	\$87,000
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$87,000

No amendments this quarter.

Contractor: Structural Systems Repair Group, LLC

Contract# 7500005585	Original Contract Amount:	\$724,500
Total Change Orders to Date: 5	Cumulative Change Order Amount:	\$7,921
Low Bid: \$724,500	Revised Contract Amount:	\$732,421
High Bid: \$934,072	Contract Percent Complete:	100%

Number of Bids: 3

Describe all change orders greater than \$25,000.00:

Change Order# 1, 6/25/12, was approved for an increase of \$61,681 to repair joists at level four and to repair the sixth floor membrane. **Change Order# 4**, 10/1/12, was approved for an increase of \$35,217 to increase the number of joists and slab on deck areas for repair as well as reinforcement of a deteriorated steel beam. **Change Order# 6**, 11/20/12, was approved for a decrease of \$96,608 to provide a credit to reduce scope of exterior insulation finishing system (EIFS)/Metal Stud Framing due to existing metal stud framing to be found in better condition than assumed at bid.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Robotics Building

Project Number: 2353.00

Project Description: Scope: \$1,800,000

The Center for Biomedical Engineering (CBME) was transferred administratively to the College of Engineering effective July 1, 2010. CBME is currently in the Wenner Gren Research Lab. A key component of this transfer is the relocation of the CBME from the Wenner-Gren buildings to the 5th floor of the Center for Robotics and Manufacturing Systems (CRMS). The relocation is needed to take advantage of the many collaborative research opportunities between the CBME faculty and the various other Engineering faculty in and near the CRMS building. The project will completely renovate eight (8) existing labs to accommodate the relocation, as well as renovate two former labs into shared equipment rooms and graduate student office space. The approximate square footage of the planned renovation will be 3,500.

The legislative authorized scope and current project estimate is \$3,842,000. The current total available funding is only \$1,800,000 therefore the University intends to prioritize the improvements and install all the utilities in this first phase thereby enabling future connections as additional funds become available.

Consultant: Bender Associates Architects

Contract# A131130	Original Contract Amount:	\$105,000
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$105,000
No amendments this quarter.		

Contractor: No construction contract awarded to date.

Contract#	Original Contract Amount:
Total Change Orders to Date:	Cumulative Change Order Amount:
Low Bid: High	Revised Contract Amount:
Bid: Number of	Contract Percent Complete:
Bids:	
Describe all change orders greater than \$25,000.00:	

Renovate Schmidt Vocal Arts Center

Project Number: 2326.00

Project Description: Scope: \$1,500,000

This project will complete the renovations to include rehearsal rooms, teaching studios, practice rooms, music library, office space for staff and graduate assistants, and enhancements to the building's main entrance.

Consultant: Sherman Carter Barnhart

Contract# A111120	Original Contract Amount:	\$128,540
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$128,540
No amendments this quarter.		

Contractor: No construction contract awarded to date.

Contract#	Original Contract Amount:
Total Change Orders to Date:	Cumulative Change Order Amount:
Low Bid: High	Revised Contract Amount:
Bid: Number of	Contract Percent Complete:
Bids:	
Describe all change orders greater than \$25,000.00:	

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Track and Field Facility

Project Number: 2315.00

Project Description: Scope: \$13,000,000

The University of Kentucky's Shively Track, used by the men's and women's track and cross country teams, is over 30 years old and needs to be renovated. This project will renovate the existing track and field facility by providing new track and field surfaces, field event training areas, spectator seating, spectator amenities (concessions, restrooms, etc.), and equipment storage. The track is anticipated to be a nine-lane synthetic surface track. An athlete only practice throw area has been integrated into the site plane, creating safety for adjacent spectators as well as providing a proper environment for the training and warm up of student athletes. A practice runway is being incorporated with the javelin throw. This area would also accommodate visiting track teams during meet events. The architectural design and materials will be integrated to enhance the proximity to the design elements of the University's adjacent baseball stadium. The concession building will overlook the track so spectators standing in line will continue to have visual access to the event completion. A new storage facility will be located at the Cooperstown Road entry, and will be of sufficient size to store all track and field equipment.

Consultant: Ross Tarrant Architects

Contract# A111060	Original Contract Amount:	\$868,500
Total Amendments to Date: 2	Cumulative Amendment Amount:	\$124,029
Describe all amendments :	Revised Contract Amount:	\$992,529

Amendment# 1, 2/14/12, an increase of \$45,000 was approved to provide for additional special inspections needed due to a larger amount of concrete retaining walls than originally anticipated. **No amendments this quarter.**

Contractor: Abel Construction Co. Note: This is a 'CM-At-Risk' contract. The amount will be increased as subcontracts are bid and added. ***Abel's contract was awarded by RFP process.**

Contract# 4500043874	Original Contract Amount:	\$9,820,610
Total Change Orders to Date: 85	Cumulative Change Order Amount:	\$757,136
Low Bid:	Revised Contract Amount:	\$10,577,746
High Bid:	Contract Percent Complete:	100%

Number of Bids:

Describe all change orders greater than \$25,000.00:

Change Order# 2, 8/24/11 was approved for an increase of \$30,332 to provide sand based sod in lieu of regular soil based sod to provide better drainage performance. **Change Order# 10**, 8/24/11 was approved for a decrease of \$45,600 to use interlocking deck in lieu of welded deck and to use galvanized steel in lieu of painted finish on structure. **Change Order# 12**, 8/25/11 was approved for an increase of \$117,663 to provide and install an eight lane practice track. **Change Order# 20**, 10/13/11, was approved for an increase of \$35,975 to increase the Kentucky American Water Co. allowance needed to relocate a section of waterline along Cooperstown Drive. **Change Order# 21**, 11/3/11, was approved for an increase of \$25,275 to install subdrainage piping for the permeable pavers for the drive along the north side of the track. **Change Order# 34**, 1/23/12, was approved for an increase of \$25,300 to provide a slot drain in the concrete walk between the track and the lower wall of the lower grandstand. **Change Order# 38**, 4/10/12, was approved for an increase of \$105,493.55 **to provide installation for Owner Provided Sports Competition lighting system.** **Change Order# 50**, 4/10/12, was approved for an increase of \$46,722.76 to relocate the scoreboard from the current location to the northeast corner of the track. **Change Order# 61**, 6/13/12, was approved for an increase of \$49,672.17 to install concrete footers for the safety net poles. This will provide enhanced protection from foul balls from the adjacent baseball stadium for spectators and athletes during daily practices and scheduled events. **Change Order # 65**, 7/26/12, was approved for an increase of \$27,825 to change the stabilization of the track upgrade from 8" of cement stabilization to 16" of lime stabilization. The material change is based on the time of year the work is being installed. Initially this scope of work was to occur during cold, winter weather and the cement stabilization was necessary. This scope of work actually occurred during warmer weather in the spring and lime stabilization was more applicable. **Change Order# 67**, 7/27/12, was approved for an increase of \$36,344 to provide additional catch basins at infield and upsize piping **Change Order# 81**, 10/30/12, was approved for an increase of \$31,408 **to provide and maintain temporary construction access road to facilitate the movement of construction equipment and materials from the Cooperstown access point on the northwest corner of the site to Building D on the southwest corner of the site.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Expand Gatton Building

Project Number: 2345.00

Project Description: Scope: \$4,000,000

This project includes renovating and expanding the existing 138,400 gross square foot Gatton Building. The expansion will include a three story addition consisting of 65,727 gross square feet comprised primarily of community-oriented space to include an atrium, with a cafe and seating area, classrooms, and a 500 seat auditorium. The addition will become the primary entrance to the building and will be accessed from central campus. A secondary entrance from South Limestone St. will also be incorporated in the renovated space. The original 1963 building will provide various types of space for faculty and students; the classrooms in the 1991 addition will be renovated and updated to include the latest technology. When completed, the building will have a total of 204,127 gross square feet.

Consultant: Ross Tarrant Architects

Contract# A131090	Original Contract Amount:	\$3,716,149
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$3,716,149

No amendments this quarter.

Contractor: Skanska USA Building Note: This is a 'CM-At-Risk' contract. The amount will be increased as subcontracts are bid and added. *SKANSKA's contract was awarded by RFP process.

Contract# 7500012212	Original Contract Amount:	\$57,000
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	\$57,000
High Bid:	Contract Percent Complete:	

Number of Bids:

Describe all change orders greater than \$25,000.00:

No change orders greater than \$25,000 this quarter.

Renovate/Expand Soccer Facilities

Project Number: 2349.00

Project Description: Scope: \$7,000,000

This project will renovate and expand the University's soccer facilities to include locker, shower, and lounge space for the men's and women's soccer teams, training and umpire rooms, and new seating and a press box. This project will also include upgrades to plumbing, electrical, and HVAC systems.

Consultant: Luckett & Farley

Contract# A121100	Original Contract Amount:	\$613,500
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$613,500

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract#	Original Contract Amount:	
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid: High	Revised Contract Amount:	
Bid: Number of	Contract Percent Complete:	

Bids:

Describe all change orders greater than \$25,000.00:

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade Softball Complex

Project Number: 2338.00

Project Description: Scope: \$9,700,000

This project consists of 1) Spectator seating and amenities, including replacement of the existing portable seating sections for Softball with new treads and risers from end to end of the dugouts that will provide approximately 400-600 new fixed chair back seats, and a combination of 600-800 of bleachers for a total permanent seating capacity of around 1200, including new elevated terraces overlooking the field at the back of the new grandstands and new press facilities, 2) New indoor practice facilities, 3) Playing field improvements, including site lighting and entry plaza to the complex including a new ticket facility and 4) New Team Building with coaches offices, team locker, lounge and equipment facilities for Softball.

Consultant: Luckett & Farley

Contract# A121120	Original Contract Amount:	\$597,800
Total Amendments to Date: 1	Cumulative Amendment Amount:	\$30,000
Describe all amendments :	Revised Contract Amount:	\$627,800

Amendment 1, 12/11/12, an increase of \$30,000 was approved for additional construction administration services.

Contractor: Cadell Construction Co.

Contract# 7500008312	Original Contract Amount:	\$8,049,310
Total Change Orders to Date: 26	Cumulative Change Order Amount:	\$298,551
Low Bid: \$5,549,310	Revised Contract Amount:	\$8,347,861
High Bid: \$5,568,000	Contract Percent Complete:	32%

Number of Bids: 6

Describe all change orders greater than \$25,000.00:

Change Order# 1, 12/11/12, was approved for an increase of \$28,587 to provide hub pipe in all underground installations to comply with the UK Standards. Change Order# 7, 12/17/12, was approved for an increase of \$35,387 to coordinate miscellaneous electrical components with the remainder of the design.

Repair/Upgrade/Expand Central Cooling Tower

Project Number: 2356.00

Project Description: Scope: \$870,000

The Medical Center Cooling Plant provides chilled water to the campus loop as well as the Medical Center. The cooling tower is in excess of 10 years old. This tower does not meet today's cooling capacity requirements due to increased loads and other inefficiencies.

Consultant: Staggs & Fisher Consulting Engineers

Contract# A131020S	Original Contract Amount:	\$43,000
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$43,000

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract#	Original Contract Amount:	
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid: High	Revised Contract Amount:	
Bid: Number of	Contract Percent Complete:	

Bids:

Describe all change orders greater than \$25,000.00: