

FCR 10

Office of the President
February 22, 2011

Members, Board of Trustees:

CAPITAL CONSTRUCTION REPORT

Recommendation: that the Capital Construction Report for the three months ending December 31, 2010 be accepted. This Report refers only to projects that had activity within this quarter.

Background: Under House Bill 622 enacted by the 1982 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, 2010 thru December 31, 2010:

There were five new contracts this quarter:

Project 2310.0	Renovate 4-H Camps Churchill McGee LLC, \$299,000 - Camp Cumberland (<i>Construction</i>) Lewis Brothers, Inc., \$174,600 - Camp Feltner (<i>Construction</i>) DH Lawson Construction, \$249,937 - Camp Redwood (<i>Construction</i>) Lanham Brothers, Inc., \$364,285 - Camp Dawson Springs (<i>Construction</i>)
Project 2317.1	Renovate Old Pharmacy Bldg. for Biology (Multi-Disciplinary Sciences Bldg.) Stengel-Hill Architecture, \$250,000 (<i>Design</i>)

Six contracts were completed this quarter:

Project 2235.0	Construct Biological Pharmaceutical Complex Bldg. Messer Construction Co., \$113,526,766
Project 2277.3	Replace Emergency Generators & Fire Pump – UK Good Samaritan Hospital Messer Construction Co., \$1,599,513
Project 2296.1	Repair, Upgrade, Improve Bldg. Systems – Hospital (Elevators Upgrade for KY Clinic) Oracle Elevators, \$846,162
Project 2302.0	Upgrade, Renovate, Improve or Expand Research Labs (Renovate Research Labs in Chemistry-Physics Bldg.) Denham Blythe Co., \$1,401,572
Project 2307.0	Renovate Nursing Bldg. Messer Construction Co. \$1,339,349
Project 2311.0	Renovate Parking Structure # 3 – Hospital Schnell Contractors, \$404,899

One amendment as follows:

- Project 2313.01 Renovate 4th Floor Sanders-Brown Center on Aging
- Provide additional design and construction administration services associated with LEED certification (+) \$28,000

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

- Project 2239.0 Construct Patient Care Facility
- Provide additional supervision needed due to weather delays impacting the construction of the lobby and delaying the tower envelope (+) \$161,355
 - Provide digital security cameras for the Helipad to tie into the new security monitoring system (+) \$30,566
 - Provide and install the required infrastructure, finishes and equipment for a first floor food kiosk (+) \$54,866
 - Provide and install ductwork, piping and associated controls to heat and cool the dining area next to the first floor lobby (+) \$87,055
 - Provide for reinforcement of the underside of the existing Children's Hospital bridge; this was scope originally missed (+) \$87,829
 - Provide overtime for drywall installation to maintain project schedule (+) \$85,357
 - Revise the conduit path to the ICU workstation as required for coordination with other trades (+) \$57,559
 - Furnish and install 52 smoke detectors on each side of rated doors with door hold opens as required by code (+) \$57,819
 - Provide for installation of 20 gravity dampers to serve as backdraft dampers for rooftop fans (+) \$37,616
 - Provide patch cables in 128 rooms to support precautionary signage selected by hospital (+) 28,015
 - Provide full depth replacement of the existing damaged pavement along Rose Street from Hospital Drive to the Limestone St. intersection (+) \$51,847
 - Provide for revision of nurse call and furniture systems power and data locations resulting from furniture systems selected by hospital (+) \$87,125
 - Provide temporary installation of 23 AV strobe devices in the construction areas adjacent to occupied areas of the new ED (+) \$32,304
 - Provide for construction of a frame below the fan coil units in the 14th level of the elevator machine rooms, eliminating the ability for someone to walk under the units (+) \$25,607
 - Provide labor and material necessary to shim casework in 128 patient rooms (+) \$26,149
 - Provide labor and materials to install seventeen data outlets for lighting control interface panels omitted on drawings (+) \$48,092
 - Provide power, data and detailed rough-in requirements that were omitted on drawings for security devices on the ground through six levels (+) \$135,267
 - Provide materials and installation necessary to protect lobby stone floor during construction (+) \$45,037

- Furnish and install six 4 inch conduits on the 6th floor in lieu of the cable tray shown on design (+) \$31,970
 - Furnish and install additional power and technology cabling/outlets in the ED core area as requested by Hospital (+) \$29,094
 - Provide for modification of the data outlet requirements to accommodate the wireless access points for Wifi system to assure coverage (+) \$31,746
 - Provide for eighteen additional fireman's phone jacks for elevator control rooms (+) \$25,590
 - Delete unnecessary work previously purchased as a result of revisions made in the Rose Street Plaza (-) \$29,881
 - Provide for color revision of the marble that serves as a base for the ten columns in the main lobby (+) \$77,023
 - Provide premium time for the electrician to keep the electrical rough-in ahead of drywall installation due to change order work (+) 47,480
 - Delete hot water piping insulation for temporary heat on shelled floors 5, 8, 9, 10, 11 & 12 (-) \$27,229
 - Provide for modifications to 6th and 7th floor door hardware and electronic security hardware as required by building code inspector (+) \$54,781
- Renovate Third Floor Little Library
- Provide a new office suite for relocation of the Dean of the College of Communications and Information Studies office from the Grehan Bldg. (+) \$121,335

Project 2306.0

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, probably 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:** 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 (or 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
January 31, 2011

Construct CAER Laboratory Building #2

Project Description:

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. In addition, other portions of the building will be specially equipped to accommodate research related to biomass energy and biofuels, electrochemical energy storage, and solar energy.

Project Status:

Utility and foundation grade beam work continues. Caisson drilling is complete. Drilling for geo-thermal wells began in mid-January. Weather has continued to impact work with precipitation and below freezing temperatures continue. Bid Package #3 is expected to go out to bid in February.

Construct Children's Garden at the Arboretum

Project Description:

The Children's Garden will be a safe 1.85 acres outdoor environment designed to help children 2 to 10 years old learn about plants and the environment. There will be an integrated combination of various "child-scaled" theme gardens, garden-like elements for experiential play, and gardens planted and maintained by children. This initial phase will construct the geographical features including rock escapements; the stream and pond; and some of the walks and plantings.

Project Status:

All punchlist work is complete. The contractor is awaiting delivery of final granite pieces for the Quilt Fountain. Installation to be coordinated as weather permits.

Construct Patient Care Facility

Project Description:

The Hospital's present patient bed tower is over 45 years old. Although the space served patients well, the infrastructure is aging, and the facility can not accommodate rapidly developing technology. This project is providing the site location evaluation, building programming, planning, and design services for a new bed tower. The project design team is lead by GBBN with major sub consultants including AM Kinney, Ellerbe-Becket, Staggs and Fisher, Affiliated Engineers, THP Limited as well as a number of specialty consultants. This project will construct a new hospital addition to include patient beds, patient diagnostic and treatment areas, support areas, support facilities, medical equipment and infrastructure. The project also includes the replacement of the hospital parking garage and a connecting bridge to clear the site for the new hospital addition as well as land acquisition and utility relocation costs. The progress of all the components is listed below.

PCF – Building (BP #'s 3B, 4, 5 & 6):

Project Description:

This project includes:

- (BP #3B) Early Site Work (Now Complete)
- (BP #4) The demolition of the existing Parking Structure # 4. The work will involve the start of all deep foundations up to the grade of the excavation. (Now Complete)
- (BP #5) The construction of the new 1,022,000 gross square feet building's structural frame, fireproofing, exterior wall enclosure for all new building spaces, windows, exterior doors and roofs. Also included will be all exterior site improvements, civil design for roadways, drainage systems, landscaping, hardscape surfaces and walks.
- (BP #6) The interior fit-out partitions, interior finishes, doors and frames, ceilings, mechanical systems, electrical systems, technology systems, medical equipment and fire protection for approximately 490,000 occupiable square feet; and 532,000 square feet of shell space. The work also will include drawings and specifications for signage, interior furnishings and lighting.

Project Status:

Core and Shell (BP #5)

The work on the exterior ceiling proceeded slowly during January due to the weather conditions. This work will resume with the exterior ceiling at the north colonnade when weather allows. The swing stage work (with 20 stages) continued on the east, north and core tower elevations (east tower) with installation of the window trim, window caulking and tower eyebrow. Eyebrow and window trim also continued for the North Lobby area with minor completions remaining. Installation of the interior metal panels above the lobby curtain wall also began in January. Machine room work continued for all elevator car groups on level 14. The interior finishes for all elevators is underway. The second elevator contractor continued working on the elevator 12 (lobby elevator) shaft and machine room during January. This unit should be complete in March. The site contractors were also impeded by early season freezing rain/snow and low temperatures during January. This work remains on schedule and will be resumed when weather permits. Concrete paver work continued on the north entry utilizing temporary protection/heating measures. Other exterior work will resume when the temperature increases. A multitude of contractors continued work on the west connector new work areas working in and around the existing hospital spaces. The demo is completed and the new leveling slabs were placed on the connector bridge. Some temporary installations and heating were installed getting ready for the new structure and rough-in activities. Restoration of the Gill Heart façade continued this month with stone beautification and jointing. This work proceeds with satisfactory results.

Fit up (BP #6)

During January, the acoustical contractor continued working throughout the building including the Lobby/Auditorium; 6th and 7th floors; shaft and stair areas; and level 1 areas. Gypsum board installations continued on the 8th floor finishing on this level, shaft and stair areas, and ground and 1st floor lobby areas. Column covers and other finish items are appearing on the 1st floor level. The general trade's contractor continued installing toilet accessories for the patient rooms on the 6th and 7th floors. Final installations of wood doors and hardware are progressing on the 6th and 7th floors. The painting contractor continued work on the 6th and 7th floor patient rooms. Installation of ceramic tile on the 7th floor patient bathrooms and bathroom/tile areas on the 1st and 2nd floors continues. The flooring contractor continued with miscellaneous VCT installations and continued installation of the PRT flooring in the 6th floor hallways and 7th floor patient rooms. Cleveland Marble continues to install the thin-set tile and base on the 1st floor lobby areas. During January, the casework contractor continued installing blocking at the lobby, 1st and 7th floors. They also continued installation of the millwork in the 6th and 7th floor patient rooms; some 1st floor areas; and some basement areas. Installation of the Steelcase cabinetry on the 6th floor began in late January and will continue through February. The casework contractor continues to install Mid-mark casework and countertops, and stainless steel corners guard. Installation of the Stryker booms completed on the 6th floor – west tower. Electrical work continues on the bed tower floors with installation of the shell space lighting, fire protection and work in the electrical closets is wrapping up with circuiting and lighting terminations moving down from the 9th floor. The installation of shell space unit heaters, controls, fire alarms and ancillary systems is ongoing. 6th and 7th floor HVAC systems are complete. Inspections will be held during February. Flex and GRD installation is ongoing with the ceiling. VAV programming and setup and phoenix valves setup has begun, and the 6th floor west is now under full control at the VAV. Installation of electrical wiring is continuing throughout the building especially 7th floor and lobby rough-in and pulls. Final controls and power is ongoing throughout the building on all systems.

The lobby AHU's are now ready and have been final checked. These units have been brought into service for temporary heat and are now under control. The high rise domestic water heaters have been started and this system continues to be flushed.

Construct Patient Care Facility- (Pavilion A, OR Suites and Support)

Project Description:

This project provides a new surgical suite to be constructed in the shell space of the new Patient Care Facility. The project includes construction of 8 operating rooms, 1 hybrid OR, with supporting spaces for surgical pathology, surgical pharmacy, anesthesiology, staff lounge and lockers, and pre-operative / post operative functions. Also included will be the construction of a new central sterile supply and associated elevators to serve the new surgery areas. In addition the project will supply a 63,000 CFM air handling unit to provide for the HVAC requirements of this area. The fit-up encompasses an area of approximately 66,000 SF.

Project Status:

All subcontractors are under contract. All contractors are working to complete submittals and shop drawings. Wall layout is complete. Metal stud framing and Mechanical and electrical rough in work is in progress. Minor demolition is complete. Coordination meetings with major equipment vendors are taking place. The expected project completion date is November 2011.

Digital Village, Building 2

Project Description:

This project consists of the design and construction of approximately 45,019 gross square feet of research space for the Center for Visualization and Virtual Environments as well as selected research activities in the Department of Computer Science and the Department of Electrical and Computer Engineering. The facility must be sufficiently flexible in design so that it can be easily adapted to support research into emerging areas of interest. The structure should provide flexible office space and support facilities. This project will pursue LEED Certification.

Project Status:

Construction work has been completed and inspected, with testing of systems being finalized. Utility infrastructure work has been completed with the exception of pulling electrical cabling (which was found to have manufacturing defects, requiring replacement of defective cabling). Final punch inspections have been performed and the building has been accepted as substantially complete as of Jan. 26, 2011. (Landscaping materials will be planted and inspected when weather permits, but will not delay occupancy of the building.) Furniture has been delivered and set up. The first group of occupants is scheduled to move into the building the first week of February 2011.

Expand & Upgrade Livestock Disease Diagnostic Lab

Project Description:

New space is needed for more than one veterinary pathologist to perform animal postmortem examinations in addition to renovation of current necropsy space. New space is also needed to add molecular biology/special procedures capabilities to the laboratory. New technology in the form of an alkaline hydrolysis digester is needed to replace an aging incinerator. The LDDC is an office and laboratory building with net assignable space of 3,860 square feet for offices and 28,100 square feet of laboratories and support space. It is proposed to add 6,300 and 1,200 square feet (net) of new laboratory and office space, respectively. An existing necropsy laboratory and support space will be renovated (2,000 square feet net). An aging incinerator is the present means of carcass disposal. An alkaline hydrolysis digester will be installed for carcass disposal after renovating 2,000 square feet (net) of space to contain the digester.

Project Status:

Digester installation is complete. Initial Performance test failed. Modifications are required. Re-testing has been delayed one month and re-testing is scheduled for mid-February 2011 with training to follow after performance test. Renovation work continues in former necropsy, receiving and existing labs again this month. Administration area construction continues. The current turn-over date for labs was January 14, 2011. The Certificate of Occupancy was issued but a Substantial Completion certificate could not be issued due to incomplete but necessary lab work. The current turn-over date for Administration is January 28, 2011. Both areas are scheduled to be Substantially complete by early February 2011. All remaining lab renovations will complete by mid-March 2011. The storage tank facility at Woodford County farm is complete.

Guaranteed Energy Savings Performance Contracts

Project Description:

An energy service company (ESCO), such as AMERESCO, provides comprehensive energy and water management analysis plans as well as energy and water-related capital improvement services. Enabled by Kentucky Revised Statute 56.774, energy savings performance contracting is a cost-effective process for energy upgrades. Energy service companies guarantee that utility savings generated by facility upgrades are sufficient to pay back the capital investment during the next twelve years. If the project does not provide these returns on the investment, the ESCo is responsible for the difference. This project will help meet the overall University goal, which is to decrease the university's overall energy demands by 10-15 percent. Energy conservation measures in the project that will reduce the university's overall energy consumption include: Upgrades to lighting systems to the latest electric saving technology; fume hood controls in Chemistry/Physics; HVAC systems; steam and chiller plant controls; Installation of motor speed drives (VFD's) to save energy during mild weather conditions; Energy management software to monitor usage in real time; and automatic utility metering devices; Replacement of old plumbing fixtures to the latest water saving technology; Repair of pipe insulation; Behavioral modification programs to encourage energy

conservation, tailored for campus and developed, implemented and measured to maximize effectiveness and initiate a culture of energy efficiency.

Project Status:

Bidding of all Energy Conservation Measures (ECMs) continues this month. Construction activities for lighting retrofits have been completed in eight of the 61 Lexington campus buildings with the measurement and verification task to begin this month. Construction for all the ECMs will continue through November 2011.

Renovate 4-H Camps

Project Description:

The College of Agriculture Cooperative Extension Service and 4-H Youth Development operate 4-H Camping Centers in Nicholas, Pulaski, Laurel and Hopkins counties. This project will renovate existing cabins by upgrading utility infrastructure, improving finishes, and installing energy efficient heating and air conditioning systems. The project also will include replacement of existing bunks and mattresses in all the camps. Additionally, a new cabin will be built that will house 28 campers and 4-H staff.

Project Status:

Work continues at each of the four camps. A commitment of private funds and approval for two additional cabins at the 4-H camp in Nicholas County were received this month. Pursuant to University Administrative Regulations 8:2: III – C-2(a) the President will be requested to approve scope increases of an additional 15% since project funds will be privately provided. All work is expected to be complete by spring 2011.

Renovate 4th Floor Sanders-Brown Center

Project Description:

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, non-compliant research support space and the associated mechanical equipment to meet current regulatory requirements.

Project Status:

The University received review comments from the NIH on January 24, 2011 on the Construction Documents. Responses from the project team are due to the NIH by February 7, 2011. Upon NIH approval, the University will start the bid process.

Renovate Nursing Building

Project Description:

This project will renovate and convert a covered patio on the third floor of the Nursing Building into student study and discussion space. Additionally, minor enhancements will be made in some fifth floor graduate student space. The project is fully funded from a U.S. Department of Health and Human Services, Health Resources and Services Administration grant.

Project Status:

The project achieved substantial completion on Friday, December 3.

Renovate Old Pharmacy Building for Biology (Multi-Disciplinary Sciences Building)

Project Description:

The old Pharmacy building (now Multi-Disciplinary Sciences Building) will be used to provide teaching lab space for Biology, future research lab space for Biology and Chemistry, and office space to co-locate the University's significant core of statistical expertise from the colleges of Arts and Sciences, Public Health and Medicine.

This phase of the project will renovate approximately 18,120 square feet on the first, second and third floors of the Multi-Disciplinary Sciences Building and will include the modification of the existing offices and the creation of additional offices, computer class labs, a Biology class lab and support spaces. The estimated scope of \$3.4 million will be funded from institutional fund balances.

Project Status:

Upon receipt of the consultant's schematic design estimate, it was determined that either additional funding was needed, and/or the program had to be reduced. It was determined that the School of Public Health will provide an additional \$150,000 in funds, the Cancer Center will provide \$100,000 and Statistics will provide \$27,500. The revised program will also include deleting some of the office areas of the 2nd and 3rd floors. Upon approval of the president to increase the project scope, the design team will proceed with the design development documents.

Renovate Parking Structure #3-Hospital

Project Description:

This project includes repairing the concrete topping on levels Two and Three; painting of pre-cast connections; installation of a new expansion joint at the structural slab transition; full depth slab repairs for levels Four, Five, and Six; and application of an elastomeric waterproofing membrane on Level Six. These repairs are needed to protect the structure from moisture penetration and resulting deterioration of concrete and embedded metals.

Project Status:

This project is substantially complete.

Renovate/Expand the Center for Applied Energy Research – Phase 1 & Phase 2

Project Description:

The primary purpose of this project will be multi-phased project incorporating the following components:

Mineral Process Lab Building - The initial phase of the project will require the construction of a 6,400 square foot support building. This new facility will permit the relocation of the existing mineral processing group, currently housed in the Center's main facility. The existing equipment will be relocated along with support space, offices and labs. Relocation of the Crushing Room - The existing Crushing Room is to be relocated into an existing facility originally built for dry storage of coal. Bio-fuels Highbay Lab Fit-up and Improvements - Renovated space, vacated by the Mineral Processes Lab in above, will allow for the development of a bio-fuels laboratory for production, characterization, and testing of biomass derived fuels, with a focus on biodiesel, bio-oils, and biomass derived Fischer-Tropsch liquids. The principle objective of this project is the establishment of a laboratory dedicated to the development of improved processes for biomass utilization, with the goal of supporting the development of the biofuels industry in Kentucky. Combustion High Bay Hoods - The existing Combustion/High Bay Lab will have a new bench top fume hood and a new walk-in hood installed with required ductwork and exhaust fans.

Project Status:

Phase 1 – Complete.

Phase 2 –Final value engineering items have been incorporated to bring the construction estimate to within current project construction budget. Bid documents to be submitted and transmitted to bid within the next week.

Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)

Project Description:

This project consists of the design and construction of a new housing facility of approximately 20,900 GSF to replace the existing Wildcat Lodge. The new facility is to house the UK men's basketball players in addition to other non-athlete students. The building will include a controlled main entryway, with combination living/bedroom spaces, a common lounge space, with a dining room and a kitchen. In addition, it will have an apartment for the hall direction and a public restroom in the entry area. The site will be located just east of the Joe Craft Center.

Project Status:

Original Bids were received on July 23, 2010, with the combination of trade contract bids being significantly over budget. After exploring various value engineering and redesign options, the design was revised to reduce the occupancy from 36 beds to 32 beds. Revised documents were received and released for bid prior to the Christmas/New Year holiday season. A pre-bid was held on January 18, 2011. Two addenda have been issued. The project is scheduled to rebid on February 1, 2011. Due to time lost with the value engineering and redesign process, the building will not be ready to occupy until after the beginning of the 2012 spring semester. The project scope has been increased to \$8,050,000, as approved by President Todd, pursuant to UK Administrative Regulation 8:2:III-C-2(a) and by the Capital Projects and Bond Oversight Committee pursuant to KRS 45.760.

Upgrade, Renovate, Improve or Expand Research Labs (Fit-up 4th and 5th Floor College of Pharmacy)

Project Description:

This project will consist of the final fit-up of the fourth and fifth floors of the Biological Sciences/Pharmaceutical Complex. These floors total approximately 84,000 gross square feet of previously shelled research lab space in the newly completed building. The new space will include wet-bench research labs, lab support spaces and lab offices. The steamline extension project includes installing new steam pipe, concrete vaults and concrete tunnel starting at the east end of BBSRB mechanical tunnel and continuing around KY Clinic and ending at the North side of Huguelet Avenue.

Project Status:

Metal stud and drywall installation and Mechanical and electrical rough-in continues on the 4th and 5th floor. Setting of the new air handler in the existing 6th floor penthouse has been completed, and assembly is underway. All work is

scheduled to be complete November 7, 2011. The steam line work has begun staging outside the Kentucky clinic. Construction is anticipated to be complete September 2011.

ARS - Agriculture Project

Project Description:

The Forage Animal Production Research Laboratory will serve the Forage Animal Production Research Unit for the USDA - ARS on the campus of the University of Kentucky. The mission of the FAPRU is to improve productivity, profitability, competitiveness and environmental sustainability of forage based enterprises within the transition zone of the Eastern and Midwestern United States. Multidisciplinary teams to work to identify, evaluate, and manipulate genetic and physiological factors, using for the enhancement of food animal and equine health and performance in forage based enterprises as well as to improve forage plant persistence, quality, and production. Three to four story building with approximately 65,000 gross square feet of research labs, equipment and support rooms, offices and conferences rooms. The program also includes approximately 12,000 gross square feet for greenhouses and head house.

Project Status:

Construction has been delayed pending availability of federal funding.

Construct Equine Campus – Stallion Research Facility

Project Description:

This project will serve to renovate the former carriage house at Spindletop Farm for use as the Stallion Barn component of the Equine Reproductive Research Center. The renovations will include creation of laboratory space, semen processing and storage areas, holding stalls and a mating area. There will also be a conference room and viewing room. Restroom facilities that are ADA compliant are included. Infrastructure improvements include new electrical service, upgrades to water and sanitary systems and HVAC system installation.

Project Status:

Final Construction Documents are complete. Advertising was delayed two weeks and is scheduled for February 2011. Construction is anticipated from March 2011 through July 2011.

Construct Second New Housing – North Campus

Project Description:

This project consists of programming, design and construction of a new facility of approximately 122,200 GSF that will replace Jewell and Boyd Halls. It is to be a multi-story (up to 5 floors) facility that will provide 376 beds at 325 gsf/bed. In addition, it will include partial basement and penthouse spaces to house mechanical/electrical systems. The site will be located on North Campus in the area where Jewell and Boyd Halls are currently located and will include an extension of the central utility systems as necessary to connect the new building to the central systems. The building should achieve LEED certification, as a minimum. This project will include the abatement and demolition of Jewell and Boyd Halls, and the restoration of those sites.

Project Status:

An advertisement has been issued soliciting submittals from qualified architect/engineer firms. Submittals are due February 8 for review. Construction is tentatively scheduled to begin in December 2011 and be completed in April 2013.

Renovate Nursing Building – Phase II

Project Description:

This project will renovate approximately 8,200 square feet on the sixth floor of the College of Nursing Building to accommodate the construction of a new 118 seat Computer Classroom and associated support space. The project will be funded by federal grant of \$1,287,000 from the U.S. Department of Health and Human Services and University funds.

Project Status:

It has been determined that the A/V library, currently located on the 6th floor, will be relocated to the College of Medicine Library. The Provost's office will be reprogramming the project to include utilization of vacated space.

Renovate Track and Field Facility

Project Description:

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.

Project Status:

Review of estimates is currently anticipated for early February. Early numbers for estimates indicate that the current design is exceeding the available construction budget. The Construction Manager and consultant are working together to provide appropriate suggestions for value engineering proposals.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Biological Pharmaceutical Complex Building

Project Number: 2235.00

Project Description:

Scope: \$134,998,323

The Biological Sciences/Pharmaceutical Complex, was authorized by the 2005 General Assembly and will construct a 281,000 gross square foot facility that includes some "shell space" to allow for the growing research needs. This "shell space" will be fitted out for research laboratories at a later date as university funds and/or grant dollars become available. This new building will provide the college with a state-of-the-art facility that will also allow the college to expand enrollment to address the shortage of pharmacists in Kentucky. The College of Pharmacy will relocate to this new facility and vacate their existing space. In addition to the current Pharmacy Building, college faculty members are housed in 10 buildings on and off campus. Consolidation of the research and teaching expertise of the eighth ranked College of Pharmacy in the U.S. will further strengthen the instruction of students and research collaboration among faculty. The project is expected to be complete by December 2009.

Consultant: EOP Architects

Contract # A061150/A071060

Total Amendments to Date: 5

Original Contract Amount: \$10,585,020

Cumulative Amendment Amount: \$1,162,526

Describe all amendments :

Revised Contract Amount: \$11,747,546

Amendment #1, 5/8/07, an increase of \$220,700, was approved for additional design services to provide an additional research floor as well as a new utility tunnel. This amendment also provides for wind tunnel testing as well as a specialized lighting consultant. **Amendment #2**, an increase of \$282,276, was approved for Structural engineers to redesign the foundation and sub-slab connections due to discovery of unforeseen solution channel to bedrock and to redesign the first floor from a steel frame to a concrete frame. Additionally the amendment was to design a Donor Recognition Program that will address the range of donor opportunities as outlined by the University, as well as a standard program of plaque recognition. Pinpoint Associates are to locate all underground utilities beginning with Parking Structure # 2, traveling on Washington Avenue and ending at Limestone Avenue. This amendment also provides for an independent third party consultant to provide for all Special and Material Testing as required by the construction documents and 2007 KBC. **Amendment #3**, 1/13/09, an increase of \$344,270 was approved for additional scope of work necessary to accommodate the fit-up of the fourth and fifth floors as a separate stand alone package. The amendment also provides for additional structural engineering services associated with the addition of an elevator machine room, reinforcement of chilled water pipe structure at the Utility Tunnel and expediting design and construction documents for Bid Package 4. Additional special inspection and testing services are also included as well as civil engineering services associated with the survey, plat and filing as necessary for the permanent closure of Leader Avenue. **Amendment #4**, 6/9/09, an increase of \$236,320 was approved for additional scope of work necessary to accommodate the pre-construction phase of the 4th and 5th floor fit-up, the 1st floor food services facility fit-up and construction documents for the mast arm traffic signal and the steam line extension design. **Amendment 5**, 5/11/10, an increase of \$78,960 was approved to provide additional design and associated construction administration services for design changes necessary to support the academic research and animal care functions of the building. This also provides for the addition of a graphic package. **No amendments this quarter.**

Contractor: Messer Construction Co. (Construction Manager At-Risk) 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 % complete was calculated using the estimated \$107 Million Construction Budget.

Contract # 4500007696

Total Change Orders to Date: 400

Low Bid:

High Bid:

Original Contract Amount: \$108,947,449

Cumulative Change Order Amount: \$4,579,316

Revised Contract Amount: \$113,526,766

Contract Percent Complete: 100%

Number of Bids:

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

Change Order # 1, 9/4/07, was approved for an increase of \$46,616 to provide additional excavation and a storm manhole. The design work for underslab perimeter drainage was completed after the excavation package was bid.

Change Order # 4, 10/3/07 and increase of \$67,340 was approved to provide a 3 foot wide trench as part of Bid Package 1 instead of being included as scope of work in Bid Package 4. This will provide a possible cost

Construct Biological Pharmaceutical Complex Building Change Orders greater than \$25,000 Cont...

savings due to the efficiency of the excavation contractor being on site. **Change Order # 10**, 2/1/08, was approved for an increase of \$29,633 to add compacted crushed stone fill across the basement floor area. The added stone will provide a work base for first floor slab construction scaffolding. **Change Order # 17**, 2/1/08, was approved for an increase of \$25,146 to provide depressed slabs at floors 3 and 5 for installation of Cold Rooms. This will allow for recessed floor at the cold rooms without a curb or ramp. **Change Order # 18**, 5/27/08, was approved for \$329,492 to provide additional canopy at the south side of the building. This was added to Bid Pack 3 instead of placed with Bid Pack 4 as originally planned. Keeping the steel with one trade contractor provided economy due to ease of coordination and additional mobilization costs. **Change Order # 19**, 2/1/08, was approved for an increase of \$121,994 to provide changes to the structural steel package due to design modifications in Bid Package 4. **Change Order # 26**, 5/29/08, was approved for \$43,186 to provide structural columns at the north side of the penthouse. **Change Order # 29**, 3/31/08, was approved for an increase of \$62,605 to provide re-bar revisions at locations of recessed base plates. **Change Order # 40**, 7/25/08, was approved for an increase of \$118,200 to modify skin attachments and slab edges to remedy the conflict between existing structural steel and skin attachments. The conflict is due to the fast track nature of the bid packages. Modifications to skin attachments and slab edges are necessary to achieve the design intent. **Change Order # 43**, 8/22/08, was approved for \$39,323.71 to increase one (1) penthouse distribution panel from 600A to 800A. This also increases the feeder to this panelboard and feeders to the modular chiller skid and dry cooler. **Change Order # 53**, 9/24/08, was approved for an increase of \$36,064 for necessary steel required at the window jambs. As a result of the fast track nature of the bid packages the steel package was bought prior to the design of the window details. **Change Order # 55**, 9/24/08, was approved for an increase of \$60,874 to provide revised openings at penthouse roof. This is a result of final coordination of the penthouse roof structure with the actual RTU/curbs provided. **Change Order # 57**, 10/14/08, was approved for an increase of \$31,978 to repair the roadway cuts along Washington Avenue where Columbia Gas has installed their new gas line. The work was originally contracted with Columbia Gas but is being moved to the Construction Manager's scope to provide uniform restoration of Washington Avenue asphalt work. **Change Order # 58**, 10/16/08, was approved for an increase of \$88,473 to provide for Washington Avenue communications manhole expansion due to concealed conditions regarding existing utilities. **Change Order # 62**, 11/11/08, was approved for an increase of \$29,298 to provide for a change in selected wood finish in public spaces to cherry versus beech in lab, support and research spaces. **Change Order # 66**, 10/21/08, was approved for an increase of \$27,627 to provide additional coordination between Bid Packs 2, 3 and 4. **Change Order # 74**, 12/11/08, was approved for a decrease of \$30,500 to delete creation of the graphics programming on controls. The University will design it's own graphic screens. **Change Order # 97**, 3/3/09, was approved for an increase of \$136,955.83 to provide steel columns as required for the elevator structure. The contract documents did not adequately address all of the structural elements needed to accommodate the elevators. **Change Order # 103**, 3/4/09, was approved for an increase of \$34,234.30 to provide replacement of unsuitable soil at the site for the generator building expansion due to a differing site condition. **Change Order # 106**, 3/4/09, was approved for an increase of \$65,825.76 to revise tile and carpeting in order to maintain design consistency with the interior furnishings and finishes. This change also provides for a more durable floor in the higher traffic areas. **Change Order # 107**, 3/3/09, was approved for an increase of \$32,071.07 to provide cherry wood panels in lieu of metal panels at the sides of the media wall. The wood panels will provide a more uniform appearance to the proposed media wall in the atrium. **Change Order # 117**, 3/9/09, was approved for an increase of \$45,307 to provide for extension of gypsum board, on one or both sides of metal studs, to the deck above. **Change Order # 104**, 4/3/09, was approved for an increase of \$72,000 to provide alternate steam design as compared to the original bid due to value engineering during the post bid addendum negotiations. **Change Order # 126**, 5/5/09, was approved for an increase of \$45,307 to resolve conflict between mechanical circuit schedule and distribution panel schedules. **Change Order # 127**, 5/5/09, was approved for an increase of \$43,873 to provide additional coordination between the ceiling grid and the light fixture required to account for the actual size of the light fixture. **Change Order # 134**, 6/2/09, was approved for an increase of \$26,967 to provide the required service area above ceiling and to modify the sizing of HVAC and the communication installations allowing for revision in the atrium make-up air. **Change Order # 141**, 4/16/09, was approved for an increase of \$52,374 to provide modifications to the finish carpentry in the floor 1 and 2 auditoriums. Additionally, this change order provides modesty panels and wireways at each row of strip tables in all auditoriums. **Change Order # 159**, 4/24/09, was approved for an increase of \$166,314 to extend Construction Manager Services to allow the completion of the Vivarium due to bid package and steel delays. **Change Order # 160**, 4/30/09, was approved for an increase of \$80,706 to provide for increased cost for installation of the waterline by Kentucky American Water Company. **Change Order # 164**, 4/20/09, was approved for an increase of \$27,478 to convert storage room 501C to create an egress exit out of the Vivarium in order to meet KY Code requirements. **Change Order # 196**, 7/9/09, was approved for an increase of \$28,403 to provide a dedicated exhaust duct system and roof fan for basement Vivarium laundry dryers. **Change Order # 222**, 8/21/09, was approved for an increase of \$143,046 to provide alternate shaft caps at the tops of ten (10) shafts that extended upward through the building to the Penthouse Floor. Additionally, this change order includes structural walking surfaces above the rated assemblies and cement board decking

Construct Biological Pharmaceutical Complex Building Change Orders greater than \$25,000 Cont...

in lieu of fire retardant plywood. **Change Order # 224**, 8/21/09, was approved for an increase of \$58,339 for ceiling modifications at Floor 5 to construct beam wraps, to add a storefront smoke separation at the top of the atrium, and to add a large architectural grill with plenums above. **Change Order # 228**, 8/18/09, was approved for an increase of \$55,804 to provide ceiling modifications to include rulon cubes and the addition of plenum boxes and associated ductwork. **Change Order # 231**, 9/9/09, was approved for an increase of \$31,007 to relocate tower drives from the top of the tower to inside the CUP building. **Change Order # 241**, 10/5/09, was approved for an increase of \$36,707 for provision of a Local Area Network (LAN) connection to the Air Handlers in the Penthouse. **Change Order # 242**, 10/6/09, was approved for a decrease of \$31,759 to delete epoxy flooring in select rooms and replace with sealed concrete, and to delete epoxy wall coatings in select rooms and replace with block filler and paint. High performance coatings are not required in these rooms that are outside of the Vivarium. **Change Order # 243**, 10/6/09, was approved for a decrease of \$66,566 to delete select floor finishes on floor 5 and at the Penthouse. Because the area is a shell space, there is a potential for incompatibility between the sealed concrete and future floor finishes. The epoxy finish is also being deleted. **Change Order # 248**, 10/5/09, was approved for \$33,526 to provide a concrete retaining wall and associated foundation at the north side of the building entrance. Changes in the grade at the sidewalk, as well as a modification to the architectural catch basin are also provided for in this change. **Change Order # 259**, 10/5/09, was approved for \$49,837 to add a moisture emission sealer for the COP Vivarium concrete floor. This will remedy high moisture content at the slab and create conditions within the manufacturer's requirements for the epoxy floor installation. **Change Order # 282**, 11/25/09, was approved for an increase of \$109,342 to reconfigure programming space to accommodate the newly announced Institute for Pharmaceutical Outcomes and Policy (IPOP). **Change Order # 307**, 11/25/09, was approved for an increase of \$261,125 to include fit-up of the Food Service area on the first floor. The "fit-out" consists of designed mechanical, electrical and plumbing systems/devices/finishes; wall, floor and ceiling finishes and casework/millwork. It does not include food service equipment. **Change Order # 329**, 1/28/10, was approved for an increase of \$40,430 to provide necessary vent piping to the outside from the three steam relief valves located on the Steris autoclave in the Vivarium. **Change Order # 335**, 2/23/10, was approved for an increase of \$29,493 to modify the site construction at the surface lot at the southeast corner of the site in order to maintain some parking at the Limestone/Leader corner lot. **Change Order # 365**, 2/23/10, was approved for an increase of \$27,382 to revise the amphitheater exterior steps. Although the steps do meet code, it is feared that pedestrians may not be aware that there is a 12" seating step and could fall. **Change Order # 378**, 3/22/10, was approved for an increase of \$25,917 to modify the over the paddle-type eyewash provided to the drench hose type eyewash at the request of COP faculty for additional student safety. **Change Order # 384**, 5/20/10, was approved for an increase of \$33,437 to remove existing single slide door and replace with a new bi-parting door system to allow adequate space for the DLAR animal cages. **Change Order # 385**, 5/20/10, was approved for an increase of \$27,600 to provide a card reader, door position switch, and electric lock on door 198A1 in room 196. **Change Order # 402**, 7/21/10, was approved for an increase of \$112,261 to provide additional bracing of pipe supports in Utility Tunnel required to resist the necessary lateral force required for the beam rollers to roll. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct CAER Lab Bldg. #2

Project Number: 2312.01

Scope: \$19,776,913

Project Description:

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. And 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

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$1,645,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$1,645,000

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

Total Change Orders to Date: 1

Low Bid:

High Bid:

Number of Bids:

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

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

Original Contract Amount:	\$1,382,093
Cumulative Change Order Amount:	\$19,479
Revised Contract Amount:	\$1,401,572
Contract Percent Complete:	19%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Children's Garden at the Arboretum

Project Number: 2303.00

Scope: \$729,724

Project Description:

The Children's Garden will be a safe 1.85 acres outdoor environment designed to help children 2 to 10 years old learn about plants and the environment. There will be an integrated combination of various "child-scaled" theme gardens, garden-like elements for experiential play, and gardens planted and maintained by children. This initial phase will construct the geographical features including rock escarpments; the stream and pond; and some of the walks and plantings.

Consultant: M2D Design Group

Contract # A091040E #1

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$35,068
Cumulative Amendment Amount:	
Revised Contract Amount:	\$35,068

Contractor: Meyer Midwest

Contract # 4500036412

Total Change Orders to Date: 7

Low Bid: \$407,000

High Bid: \$479,620

Number of Bids: 2

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

Change Order # 5, 6/18/10, was approved for an increase of \$50,823 to replace the concrete pavers from behind the retaining wall at overlook with permeable pavers to better match future additions to the garden. Drainage pipes and associated structures were added as well to alleviate existing drainage issues outside the garden and to manage future needs inside the garden. **Change Order # 6**, 7/9/10, was approved for an increase of \$95,640 to add The Quilt Fountain and the paving, drainage, pump/filter system, plumbing, and electrical work associated with the feature. **No change orders greater than \$25,000 this quarter.**

Construct Patient Care Facility

Project Number: 2239.0

Scope: \$532,300,000

Project Description:

This project will construct a new hospital addition to include patient beds, patient diagnostic and treatment areas, support areas, support facilities, medical equipment and infrastructure. The project also includes the replacement of the hospital parking garage and a connecting bridge as well as land acquisition and utility costs. (Note: The project design scope at the present time is \$532 Million as has been discussed with the BOT.)

Consultant: GBBN, Inc.

Contract #	A061080	Original Contract Amount:	\$30,400,226
Total Amendments to Date:	8	Cumulative Amendment Amount:	\$7,919,660
Describe all Amendments:		Revised Contract Amount:	\$38,319,886

Amendment # 1, 9/12/06, was approved for \$299,044 for additional design services required to design two additional floors for the parking garage. This amendment also provides for additional survey services associated with the rerouting of the ductbank; the addition of 12 receptor sources to be studied as part of the existing wind study; and the need for additional storm water modeling to review the impact on the new Patient Care Facility during heavy rain storm events. **Amendment # 2**, 2/13/07, was approved for additional design services associated with increased scope including but not limited to increased renovation of areas in the existing hospital (all phases); development of early bid packages for infrastructure and site utility packages and temporary emergency department access; development of on additional bed wing (all phases); development of partial cafeteria (all phases); design of fitup for two additional floors (shell only - all phases); design of a redundant communications feed (all phases); additional design services associated with security systems; development of design of Phase 1B air handlers (thru DD's) and additional design of costs associated with relocation and installation of above ground and underground fuel tanks (all phases). Also included is additional reimbursable services for added geotechnical rock investigation; additional site survey and added construction testing. **Amendment # 3**, 5/13/08, an increase of \$868,849 was approved for additional design services to include completion of the PCF Auditorium and construct a mock up in the College of Nursing. It also provides for 3D images and graphic design services for fund raising efforts as well as additional costs associated with preparing early and separate supplemental bid packages. **Amendment # 4**, 4/14/09 an increase of \$332,700 was approved for expanded design services to include completion of design of the surgery waiting expansion, the expansion of Children's Hospital entry, changes in the auditorium design, refining several infrastructure elements and further development of the gift shop case work. **Amendment # 5**, 6/9/09, an increase of \$72,151 was approved for implementation of a GIS facility management system to import and manage data associated with buildings and spaces, with the ability to expand for future inclusion of detail equipment, finishes and furniture data information. **Amendment 6**, 10/13/09, an increase of \$281,162 was approved for additional design services, additional renderings, revision of art work lighting and additional expenses for the donor recognition design as well as additional construction administration services for the added auditorium AV systems. **Amendment 7**, 4/20/10, an increase of \$278,370 was approved to provide for services for the Celebrate Kentucky Wall, Rose Street Plaza, the green roof, enabling work and a lobby fountain. The amendment also provides for additional reimbursable services. **Amendment 8**, 6/8/10, an increase of \$937,498 was approved to provide for the completion of design and the addition of construction administration services for the Patient Care Facility OR Fit-out project. It also provides for design thru phase 2 of the kitchen and cafeteria fit out of the PCF. **No amendments this quarter.**

Contractor: Turner Construction Co.

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

Total Change Orders to Date:	1020	Original Contract Amount:	\$319,492,345
Low Bid:		Cumulative Change Order Amount:	\$22,182,438
High Bid:		Revised Contract Amount:	\$341,674,783
Number of Bids:		Contract % complete:	86%

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

Change Order # 1, 6/4/07, was approved for an increase of \$91,344 to facilitate the procurement strategy and meet the project timeline. A portion of select infrastructure was transferred from Bid Pack 4A to the earlier Bid Pack 3B. **Change Order #2**, 5/31/07, was approved for an increase of \$65,296 to relocate the existing direct buried steam lines and pressurized drain found to be in conflict with the new tunnel. Since the lines must be moved they will be relocated into the new tunnel to make the lines accessible for maintenance. **Change Order # 3**, 7/11/07, was approved for an increase of \$58,928 to relocate an existing sanitary sewer manhole and associated lines to sanitary sewer manhole and associated lines to resolve underground utility conflicts. **Change Order # 5**, 9/6/07, was approved for an increase of \$49,439 to replace and relocate deteriorated and inaccessible 2 1/2" and 1 1/2" underground direct buried steam lines that were revealed upon excavation. **Change Order # 9**, 10/3/07, was approved for \$2,840,457 to convert the TC-01 Sitework (RAM Engineering) Rock Allowance to an unspecified status. Ram will be responsible to remove all the rock associated with their scope of work for BP 3B and as defined by the Geotechnical Report. This is due to misinterpretation of site conditions. Actual rock removal quantities are greater than estimated quantities in the contract documents. **Change Order # 10**, 10/1/07, was approved for an increase of \$55,314 to convert the portion of the six existing sanitary and storm sewer lines that pass through the main tunnel to ductile iron to ensure that these lines don't rupture. The increase also provided for re-routing the existing water lines to avoid conflict with the new tunnel. **Change Order # 11**, 10/4/07, was approved for an increase of \$47,780 to replace and re-route the existing domestic water line as well as reroute the existing water main.

Construct Patient Care Facility Change Orders greater than \$25,000 Cont....

Change Order # 13, 10/9/07, was approved for \$40,755 to relocate approximately 150' storm line and associated manhole due to conflict with the new Cooling Plant # 3 utility tunnel. **Change Order # 21**, 11/21/07, was approved for an increase of \$53,383 to convert the 7000KVA transformer from aluminum to copper windings, add an air switch to the transformer and add a medium voltage outdoor breaker with remote monitoring and control capability to all five electric substations. These changes were made to increase the efficiency of the system and to meet specifications of upcoming substation upgrades. **Change Order # 23**, 12/10/07, was approved for a decrease of \$48,383 to alter the installation of the cold water and the cold water return piping system to avoid conflict with sensitive boiler equipment. **Change Order # 27**, 12/5/07, was approved for an increase of \$144,844 to provide saw cutting of the pedestrian walkway and walkway roofing. The saw cutting method will reduce noise and vibration impacts to the adjacent Critical Care Facility. **Change Order # 32**, 1/18/08, was approved for an increase of \$33,072 to enlarge the existing emergency generator pads to support installation of new diesel generators due to changes in EPA regulations. **Change Order # 34**, 2/1/08, was approved for \$388,426 to provide additional construction manager's staff and general conditions due to an additional two floors being added to the Patient Care Facility. **Change Order # 42**, 3/20/08, was approved for an increase of \$128,502 to extend the limits of the blasting and excavation of rock in Bid Pack # 4 to accommodate the installation of sanitary line. The rock removal was originally intended for Bid Pack # 5, but will provide cost savings if moved to Bid Pack # 4. **Change Order # 43**, 3/31/08, was approved for an increase of \$229,016 to increase the rock allowance due to greater rock quantities than anticipated. **Change Order # 58**, 4/23/08, a decrease of \$60,522 was approved to utilize the existing ductbank for the new conductors. The existing ductbank was lower than expected and did not interfere with the new storm tunnel. **Change Order # 60**, 4/23/08, was approved for \$34,827 to increase the ductbank from six to twelve conduits to match the size of the existing ductbank. **Change Order # 66**, 5/6/08, was approved for \$42,700 to offset new 36" chilled water lines. A 2" foam glass board insulation was put in place between the chilled water and high pressure steam line due to unexpected elevation. **Change Order # 68**, 6/4/08, was approved for \$39,794 to perform rock removal while classes are in session using a rock trenching machine so as not to disturb teachers, students and staff in the Ag. Science Bldg. **Change Order # 71**, 5/7/08, was approved for \$47,571 to install four new handicap ramps and thermoplastic street marking to comply with ADA standards. **Change Order # 73**, 6/6/08, was approved for \$37,090 to remove and replace water meter vault that is in the CP # 3 tunnel excavation footprint due to location of hidden chilled water lines. **Change Order # 85**, 6/4/08, was approved for \$28,092 to revise alignment and depth of electrical ductbank that runs from Scott Street toward Electric Substation # 2, and revise the location of it's associated manhole. This will insure proper cover for manhole and ductbank when future changes are made in this area. **Change Order # 90**, 6/9/08, was approved for \$42,604 to install new ductbank at a depth greater than planned due to concealed high voltage ductbank. **Change Order # 98**, 7/3/08, was approved for an increase of \$62,263 to modify the tower crane foundation. This was required due to unsatisfactory rock with mud seams and in the west tower crane location. **Change Order # 102**, 7/14/08, was approved for an increase of \$50,183 to increase the size of both main electrical duct banks. **Change Order # 110**, 7/30/08, was approved for an increase of \$25,219 to remove an additional 240 linear feet of bad soil on Scott Street that is unsuitable for the new duct bank. Excavated material will be replaced with flowable fill concrete. **Change Order # 121**, 8/25/08, was approved for an increase of \$32,912 to provide additional excavation for fuel tanks to meet required depth. **Change Order # 127**, 8/22/08, was approved for an increase of \$43,493 to perform additional excavation at area "A" due to unsuitable rock. Excavated material will be replaced with 4000 psi concrete. **Change Order # 128**, 8/22/08, was approved for an increase of \$30,655 to perform additional excavation at area "B" shear wall/grade beam due to unsuitable bearing. Excavated material will be replaced with 4000 psi concrete. **Change Order # 130**, 9/9/08, was approved for an increase of \$27,914 to provide control of the control valves with a selector switch indicator lights. The switch will allow the operator to select which tank to pull oil from. **Change Order # 138**, 9/22/08, was approved for \$40,322 to provide a larger drilling rig needed to sleeve and bore larger holes due to the composition of the subgrade. **Change Order # 139**, 9/22/08, was approved for \$27,303 to sawcut the CCC tunnel footers and slab as required for the 16" sanitary pipe to pass thru the tunnel. The pipe will be sleeved to prevent shearing and concrete and resteel placed around the sleeve. This is due to the existing sanitary pipe being lower than expected. **Change Order # 143**, 9/29/08, was approved for \$33,766 to excavate 6' to 7' below design elevation on the 12.3 line from Column Line D.1 to the southeast corner. Excavated material will be replaced with 4000 psi concrete and added resteel. This is due to found rock. **Change Order # 159**, 11/3/08, was approved for an increase of \$38,301 to offset the chilled water piping to avoid conflict with the communications tie-in to the cable tray. **Change Order # 164**, 11/26/08, was approved for an increase of \$34,881 to install a high pressure steam valve and a pump discharge valve in the main on the south side of the Gill Heart tap. This will reduce the outage to the Gill Heart building and the Critical Care to less than one day and will eliminate future outages. **Change Order # 165**, 11/26/08, was approved for an increase of \$73,079 to provide for additional removal of rock and soil and to provide additional concrete for the drilled piers. Found subsurface conditions required deeper piers than were required by contract. **Change Order # 173**, 1/20/09 was approved for an increase of \$39,957 to provide for additional cost required to bore under existing gas line for the new 24" sanitary main. The original gas line was not relocated by Columbia Gas as originally planned due to access issues. **Change Order # 177**, 3/2/09, was approved for an increase of \$51,550 to remove existing unsuitable soil where fuel tanks were removed. Backfill and compact will be added to grade. **No change orders over \$25,000 this**

BP # 5 Change Orders

Change Order # 2 BP # 5, 6/30/08, was approved for \$36,359 to provide and install 48" diameter sump pit and piping, for the existing subsurface groundwater. This addressed the field condition of ground water that has been observed in open excavations. **Change Order # 4 BP # 5**, 7/23/08, was approved for \$26,723 to provide two mock-ups of the architectural precast panels. **Change Order # 7 BP # 5**, 9/15/08, was approved for an increase of \$39,922 to provide concrete shear walls at Column Line 12/E-F and Column Line 12/L-M, ground level to underside of third level. **Change Order # 8 BP # 5**, 9/30/08, was approved for an increase of \$26,540 to add one (1) gate valve and three (3) triple duty offset butterfly valves to high pressure steam lines. The original design did not allow for a partial cut-off of steam supply to the building. **Change Order # 20, BP # 5**, 12/2/08, was approved for an increase of \$38,438 to provide concrete shear walls in accordance with the structural documents. The trade contractors scope descriptions failed to assign this task. **Change Order # 24, BP # 5** 2/6/09 was approved for an increase of \$27,389 to revise the medium voltage cable spec to meet published UK standard. **Change Order # 26, BP # 5**, 1/20/09 was approved for an increase of \$25,547 to provide additional doors to the freight elevators allowing access to these elevators from the exterior. **Change Order # 27, BP # 5** 1/20/09 was approved for an increase of \$29,111 to install 60 linear feet of 18" reinforced concrete pipe from the existing storm manhole to the new 12' diameter manhole. **Change Order # 32, BP # 5**, 2/10/09 was approved for an increase of \$71,714 for the upsizing and rerouting of the steam generators. **Change Order # 41, BP # 5**, 3/26/09 was approved for an increase of \$75,511 to provide miscellaneous electrical revisions to Bid Pack 5 electrical systems to include new distribution panel and critical bus duct plugs.

Construct Patient Care Facility Change Orders greater than \$25,000 Cont....

Change Order # 45 BP # 5, 4/30/09, was approved for an increase of \$26,288 to add a medium voltage outdoor breaker with remote monitoring and control capability to all five substation breakers. This will increase the efficiency of the system. **Change Order # 46 BP # 5**, 4/30/09, was approved for an increase of \$25,931 to provide and install twelve (12) humidifier condensate pumps to provide for disposal of the condensate from the air handlers. **Change Order # 47 BP # 5**, 5/12/09, was approved for an increase of \$41,529 to add a low pressure steam pumping system to the basement level of the facility. These pumps are required for proper function of the system. **Change Order # 51 BP # 5**, 5/29/09, was approved for an increase of \$228,937 to provide a compatible mating of the curtain wall and precast systems. This silicone tape allows for a water tight skin on the structure. **Change Order # 52 BP # 5**, 5/15/09, was approved for an increase of \$30,633 to re-route existing lines allowing for placing of structural column to support east connector. **Change Order # 57 BP # 5**, 6/1/09, was approved for an increase of \$29,521 to fund overtime payment for Baker Construction. This additional cost will be used to make up time lost due to weather delays in December 2008 and January 2009. These days will need to be made up to open the Emergency Department on the currently scheduled date. **Change Order # 62 BP # 5**, was approved for an increase of \$36,687 to fund overtime payment for Baker Concrete over four weeks in May to maintain schedule. Overtime work was required to maintain the concrete pour schedule due to inclement weather. **Change Order # 65 BP # 5**, was approved for an increase of \$47,723 to install backfill against the southeast and southwest corners of the Patient Care Facility. **Change Order # 66 BP # 5**, 6/26/09, was approved for an increase of \$26,436 to re-route existing sanitary sewer to for installation of bridge pier. **Change Order # 63 BP # 5**, 8/12/09, was approved for a increase of \$35,236 to allow for payment of shift premium to accelerate pan removal under the 4th and 5th decks. This will accelerate the work schedule. **Change Order # 69 BP # 5**, 7/2/09, was approved for an increase of \$27,497 to provide sidewalk stabilization during excavation for a pilaster. This change order also allows for removal and reinstallation of the distilled water line that conflicts with the new foundation. **Change Order # 84 BP # 5**, 9/2/09, was approved for an increase of \$43,756 to allow for a needed additional 2 feet of height to the Penthouse elevator. **Change Order # 85 BP # 5**, 9/7/09, was approved for an increase of \$67,697 to replace existing 18" ADS plastic storm pipe under the lobby area with 18" ductile iron pipe to meet code. **Change Order # 86 BP # 5**, 9/15/09, was approved for an increase of \$50,436 to fund the purchase and installation of fifty six control dampers required for proper functioning of the Air Handling Units that were purchased directly by UK. **Change Order # 88, BP # 5**, 10/2/09, was approved for an increase of \$69,965 to provide for payment of onsite personnel at the new Kentucky Labor Cabinet prevailing wage rates. **Change Order # 96, BP # 5**, 10/16/09, was approved for a decrease of \$25,727 to delete flex connections note required for installation of the air handling units. **Change Order # 99, BP # 5**, 10/27/09, was approved for an increase of \$231,535 to furnish and install additional accessories, fitting, valves and controls for the heat exchangers. **Change Order # 117, BP # 5**, 12/9/09, was approved for an increase of \$27,631 to fund overtime work for the steel contractor in order to complete the necessary steel erection for the topping out ceremony. **Change Order # 126, BP # 5**, 1/11/10, was approved for an increase of \$109,869 to extend sleeves in all IDF/EIDF rooms in order to allow access to the sleeves from the floor below without infringing on the cable tray. **Change Order # 132, BP # 5**, 2/1/10, was approved for an increase of \$31,104 to add one 112 x 34 fire damper and modify two 112 x 34 fire smoke dampers in the outside air dampers on the fourth floor. The actuators for these dampers need to be internal due to space restrictions and access requirement. **Change Order # 133, BP # 5**, 2/10/10, was approved for an increase of \$26,580 to relocate the 3" chilled water supply take-off to the supply main on the discharge side of the chilled water pumps, so that it is located upstream of flow meter and will properly operate. **Change Order # 139, BP # 5**, 2/24/10, was approved for an increase of \$71,292 to provide safety drain traps to prevent condensate from backing up in the humidification steam generator tubes during a low pressure condition. **Change Order # 142, BP # 5**, 2/24/10, was approved for an increase of \$39,069 to replace pipe and steam traps. This cost will be deducted from the contract of the steam generator vendor. **Change Order # 145, BP # 5**, 3/1/10, was approved for an increase of \$46,192 to provide top of shaft/elevator control room sleeves and machine beams to accommodate future elevator equipment. The work will be done at this time to allow for significant modifications to the building structure which would be difficult and disruptive when the hospital is operational. **Change Order # 147**, 3/2/10, was approved for an increase of \$49,407 to revise various duct sizes and pipe routing at several locations on the 3rd and 4th floor mechanical rooms. **Change Order # 148, BP # 5**, 3/4/10, was approved for an increase of \$138,921 to provide and install 40 foot mast to accommodate 7 antennas. This includes all structural support, warning lights, and fire stopping required for proper installation of the 40 foot mast. **Change Order # 149, BP # 5**, 3/4/10, was approved for an increase of \$66,388 to provide lift-net ethernet based central monitoring system, software, and supporting infrastructure for monitoring of all new and future elevators in the PCF. **Change Order # 150, BP # 5**, 3/8/10, was approved for an increase of \$67,125 to relocate high pressure steam header in basement above chilled water pipes to eliminate trapped piping in order to prevent an unwanted trap. **Change Order # 155, BP # 5**, 3/17/10, was approved for an increase of \$56,402 to revise south supply and return 24" chilled water feeds into basement as required. This will reverse the supply and return to match the connections to the mains in the tunnel. **Change Order # 156, BP # 5**, 3/19/10, was approved for an increase of \$37,489 to furnish and install access hatches on the 15th and 16th floors for future service and installation of equipment in elevator machine rooms at the top of each tower. **Change Order # 168, BP # 5**, 4/23/10, was approved for an increase of \$54,344 to relocate 16 fire/smoke damper actuators and add access doors as required to provide access for maintenance and yearly testing. **Change Order # 171, BP # 5**, 4/27/10, was approved for an increase of \$81,371 to furnish and install conduit and added control wiring from unit substations to remote Entellisys control stacks. **Change Order # 185, BP # 5**, 6/24/10, was approved for an increase of \$49,935 to route high pressure condensate from heating hot water and domestic hot water converters to high pressure return back to condensate pump. This enhances the reliability and safety of the building and campus steam system. **Change Order # 187, BP # 5**, 6/25/10, was approved for an increase of \$26,761 to provide additional hall position indicators for five elevators. **Change Order # 191, BP # 5**, 7/27/10, was approved for an increase of \$52,938 to install a check valve in the bypass line between the heating hot water supply and return at each of the units. **Change Order # 198, BP # 5**, 8/18/2010, was approved for an increase of \$129,334 to furnish and install snubbers on the transformers that serve the two fire pumps as a precautionary action to protect against future damage to the transformers. **Change Order # 203, BP # 5**, 10/12/10, was approved for an increase of **\$161,355 to provide additional supervision required to manage concurrent crews on the stairwells in order to achieve the original milestone completion dates. The CM's original baseline schedule had drywall work in the stairwells progressing prior to achieving full water tightness of the building.**

BP # 6 Change Orders

Change Order # 1, BP # 6, 1/23/09 was approved for an increase of \$74,499 to increase booster pump capacity. **Change Order # 2, BP # 6, 3/3/09** was approved for an increase of \$38,126 to allow for the installation of piping for dialysis systems on the 5th floor. **Change Order # 3, BP # 6, 3/24/09** was approved for an increase of \$101,006 to utilize Densarmor exterior sheeting for the electric and data closets. This will allow for the installation of the materials prior to the roofing of the structure. This will enhance the schedule and allow the project to remain on track for the substantial completion of the emergency department. **Change Order # 11 BP # 6, 5/21/09**, was approved for an increase of \$320,823 to re-design to meet the State's interpretation of the KY plumbing code. Venting was added as well as the resizing of piping. **Change Order # 12 BP # 6, 5/29/09**, was approved for a decrease of \$50,620 to delete all Galley Equipment from the 8th Floor. **Change Order # 13 BP # 6, 6/1/09**, was approved for an increase of \$33,352 to relocate the required power for the elevator machine room. **Change Order # 19 BP # 6, 7/2/09**, was approved for an increase of \$69,287 to fund the installation of ground bars and associated ground wiring in 110 locations data and electrical closets. **Change Order # 37 BP # 6, 8/18/09**, was approved for a decrease of \$73,319 to delete demolition of existing 36" storm drain and the new 36" storm line. **Change Order # 45 BP # 6, 8/28/09**, was approved for an increase of \$367,335 to install cast-in-place concrete anchors in the 6th floor to support the 5th floor MEP items. This work will drastically reduce the noise associated with the fit-out of the 5th floor which is scheduled to occur after the 6th floor is occupied. **Change Order # 46 BP # 6, 8/28/09**, was approved for an increase of \$28,293 to upgrade power, add a smart panel, and tie to the existing Tridium system for controls of exterior fountain system and site lighting. This allows for reduced maintenance costs and remote management of the exterior system. **Change Order # 47 BP # 6, 8/28/09**, was approved for an increase of \$127,027 to provide one Edgestar door controller per door. **Change Order # 53 BP # 6, 9/21/09**, was approved for an increase of \$29,323 to replace Luminaire type F55 with type F56. **Change Order # 55 BP # 6, 9/21/09**, was approved for an increase of \$191,975 to provide fit out of additional office spaces in the basement of the Patient Care Facility. **Change Order # 56 BP # 6, 9/22/09**, was approved for a decrease of \$80,087 to delete fiber and coax to work stations throughout the podium. Upon review of the function of the these work stations fiber and coax was deemed unnecessary. **Change Order # 57 BP # 6, 9/29/09**, was approved for an increase of \$626,061 to amend Turner's contract to allow for payment of prevailing wage rate determined by the Kentucky Labor Cabinet. The rates included in the original bid documents were increased by the State prior to contract signing. **Change Order # 69, BP # 6, 10/16/09**, was approved for an increase of \$101,492 to provide coax cable to service televisions in all patient rooms. **Change Order # 72, BP # 6, 10/16/09**, was approved for an increase of \$351,828 to furnish and install 3,000 gallon concrete grease trap. This is required for the future fit-out of the kitchen and cafeteria. Installation at this time results in cost savings and lessens future impact on hospital operations. **Change Order # 82, BP # 6, 10/26/09**, was approved for an increase of \$38,299 to revise electric and data outlets due to staff changes made to increase the efficiency of the space. Additional cabling for the Hill-Rom system was also required. **Change Order # 100, BP # 6, 12/14/09**, was approved for an increase of \$66,196 to upgrade grounding of medium voltage electrical systems for both normal and emergency power from 7 switches to manholes E412 and E214E to provide a safe and reliable high voltage system. **Change Order # 103, BP # 6, 11/24/09**, was approved for an increase of \$36,720 to revise the route of one set of oxygen lines and to add offset to oxygen lines at all steam line expansion joints in the tunnel. This will create a more reliable and robust oxygen system. **Change Order # 104, BP # 6, 11/24/09**, was approved for an increase of \$58,594 to add additional unit heater and cabinet unit header DDC controls. **Change Order # 105, BP # 6, 11/24/09**, was approved for an increase of \$25,760 to provide the additional 120 Volt circuits needed for the operation of the smoke dampers. **Change Order # 109, BP # 6, 11/23/09**, was approved for an increase of \$52,082 to provide patient lift system with a rail in select Acute and Acute Isolation restrooms on the 6th and 7th floors. This will greatly improve patient care and reduce staff injuries. **Change Order # 110, BP # 6, 11/24/09**, was approved for an increase of \$44,339 to purchase dialysis boxes required for the 6th and 7th floor ICU patient rooms. **Change Order # 111, BP # 6, 11/25/09**, was approved for an increase of \$95,389 to provide raceways, electrical wiring and teledata wiring for wireless telemetry system. **Change Order # 112, BP # 6, 11/25/09**, was approved for a decrease of \$139,555 to reduce the number of drops and raceways for the wireless telemetry grid. **Change Order # 113, BP # 6, 11/24/09**, was approved for an increase of \$38,833 to revise the main duct mains in to allow for proper installation of mechanical systems. **Change Order # 114, BP # 6, 12/9/09**, was approved for an increase of \$27,464 to reroute existing electrical feeders that are located overhead in the hospital loading dock to allow for installation of new utilities. **Change Order # 115, BP # 6, 12/9/09**, was approved for an increase of \$53,632 to change power from 80/20 emergency to a normal 50/50 configuration in all patient rooms on the 6th and 7th floors for more dependability. **Change Order # 117, BP # 6, 12/9/09**, was approved for a decrease of \$64,113 to relocate data and power outlets, and make changes to light switching on the 6th and 7th floors. **Change Order # 122, BP # 6, 12/15/09**, was approved for an increase of \$207,802 to provide one additional data outlet and power receptacle in the wall at the head of the bed in each of the 128 patient rooms. **Change Order # 125, BP # 6, 12/15/09**, was approved for an increase of \$41,512 to provide conduit for the door access intercom system for the intercom device to the cable tray and to the Intercom Master Panels throughout the project. **Change Order # 134, BP # 6, 12/15/09**, was approved for an increase of \$48,070 to upgrade and revise the HVAC, electrical services, and IT infrastructure to support additional equipment in the security/dispatch room. **Change Order # 143, BP # 6, 12/15/09**, was approved for an increase of \$36,860 to provide additional ventilation in the 4th floor CCC Mechanical tower to accommodate Swisslog equipment. **Change Order # 144, BP # 6, 1/4/10**, was approved for an increase of \$49,623 to provide temporary weather protection to contain winter heat in the podium. **Change Order # 146, BP # 6, 1/4/10**, was approved for an increase of \$40,504 to make adjustments to the ductwork to allow for installation of systems while maintaining ceiling height as required for proper utilization of the spaces. **Change Order # 157, BP # 6, 1/14/10**, was approved for an increase of \$123,223 to furnish and install one medical gas master alarm panel in Room H64 to allow for a UL rated system. **Change Order # 161, BP # 6, 2/1/10**, was approved for an increase of \$34,574 to revise the light fixture selection and lighting fixture layout for the up lights highlighting the eyebrow on the 5th and 12th floors of the structure. **Change Order # 162, BP # 6, 2/1/10**, was approved for an increase of \$82,634 to modify VESDA smoke detection system for lobby smoke exhaust. **Change Order # 167, BP # 6, 2/4/10**, was approved for an increase of \$229,299 to add data and power outlets associated with using the upper cabinet space in patient room wardrobes for IT equipment mounting space. **Change Order # 168, BP # 6, 2/4/10**, was approved for an increase of \$108,706 to provide additional power necessary for the final pneumatic tube system design. **Change Order # 174, BP # 6, 2/16/10**, was approved for an increase of \$136,321 to revise 6th floor ductwork and cable tray to include additional conduit runs in vicinity of the mechanical chases to allow for proper access to mechanical and electrical equipment.

Construct Patient Care Facility Change Orders greater than \$25,000 Cont....

Change Order # 175, BP # 6, 2/16/10, was approved for an increase of \$115,641 to revise 7th floor ductwork and cable tray to include additional conduit runs in vicinity of the mechanical chases to allow for proper access to mechanical and electrical equipment. **Change Order # 176, BP # 6, 2/23/10**, was approved for an increase of \$154,586 to add power infrastructure to support additional UPS devices in all 32 EIDF rooms. **Change Order # 177, BP # 6, 2/23/10**, was approved for an increase of \$37,436 to remove and replace floor tile in the ED, and install colors per the revised color schedule. **Change Order # 181, BP # 6, 2/23/10**, was approved for an increase of \$40,687 to re-route glycol and hot water piping on level 14 due to unforeseen space constraints. **Change Order # 183, BP # 6, 2/24/10**, was approved for an increase of \$50,973 to revise the location of 8 patient tracking monitors and add 7 locations for overhead tracking monitors in the ED. **Change Order # 188, BP # 6, 3/4/10**, was approved for an increase of \$102,822 to add piping and electrical connections for dialysis equipment in 16 step down rooms to increase the flexibility of the patient rooms. **Change Order # 192, BP # 6, 3/4/10**, was approved for an increase of \$88,311 to revise domestic water piping to the steam pressure reducing stations for the four domestic water heat exchangers. **Change Order # 194, BP # 6, 3/8/10**, was approved for an increase of \$31,061 to provide 5" copper pipe in lieu of steel for heating hot water piping. **Change Order # 201, BP # 6, 3/12/10**, was approved for an increase of \$108,500 to upgrade dialysis boxes and add electrical connections for dialysis equipment on the 6th and 7th floors. **Change Order # 205, BP # 6, 3/17/10**, was approved for a decrease of \$26,766 to remove sprinklers from north and west canopies and add sprinklers to south drive-through canopy. This assures greater coverage where vehicular traffic is located and reduces the chance of freezing in areas that are not required by code. **Change Order # 207, BP # 6, 3/17/10**, was approved for an increase of \$136,040 to modify the temporary basement offices to address code compliance. **Change Order # 218, BP # 6, 3/25/10**, was approved for an increase of \$52,662 to revise 3rd and 4th floor ductwork and piping to accommodate installation of all trades. **Change Order # 221, BP # 6, 3/25/10**, was approved for an increase of \$40,734 to provide plumbing and electrical services to five dialysis boxes in the ED. **Change Order # 226, BP # 6, 3/29/10**, was approved for an increase of \$56,337 to revise power and specialty lighting throughout the lobby ground level and first level to accommodate selections of the art program. **Change Order # 229, BP # 6, 4/7/10**, was approved for an increase of \$31,569 to temporary doors and hardware for electrical rooms as required by the electrical inspector for final testing of the high voltage gear. **Change Order # 234, BP # 6, 4/13/10**, was approved for an increase of \$50,535 to add section of built-in curved seating, revise wall cap material, and add gaming area countertop to the pediatric waiting in the ED to support installation of patient gaming system. **Change Order # 238, BP # 6, 4/14/10**, was approved for an increase of \$93,626 provide the infrastructure and connections necessary to support University supplied uninterrupted power supplies in the IDF and EIDF rooms throughout the project. **Change Order # 243, BP # 6, 4/22/10**, was approved for an increase of \$76,602 to furnish and install condensate drains for two air handler units in electrical rooms on the fourth floor and insulate condensate drains throughout the building. **Change Order # 244, BP # 6, 4/21/10**, was approved for an increase of \$52,639 to revise ductwork in the 1st floor lobby to accommodate the radiused bulkhead to include extending the height of the plenums along the lobby exterior wall and installing revised linear grills. **Change Order # 251, BP # 6, 4/21/10**, was approved for an increase of \$74,208 to revise coring layout, poke thru devices, and electrical and technology raceways for Steelcase furniture in ED area. **Change Order # 252, BP # 6, 4/21/10**, was an increase of \$74,097 to add temperature mixing valves to eyewashes and emergency showers on the ground, 6th and 7th floors. **Change Order # 253, BP # 6, 4/21/10**, was approved for an increase of \$30,041 to provide additional electrical connections as required for installation of 11 Swisslog blower units and one Swisslog transfer unit on the 4th floor. **Change Order # 258 BP # 6, 4/23/10**, was approved for an increase of \$425,593 to furnish and install waste plumbing and venting required for 64 patient rooms, staff rest rooms, staff break areas, and utility spaces on the 8th floor of the PCF. Completing this work at this time eliminates the need for access to the 7th floor, which will be occupied when the 8th floor fit-out construction starts. **Change Order # 261, BP # 6, 4/27/10**, was approved for an increase of \$68,333 to modify the fire alarm systems in the PCF, Gill Building, Critical Care Center and Chandler Hospital such that all buildings report to the new fire control center in the PCF. **Change Order # 267, BP # 6, 4/29/10**, was approved for an increase of \$35,307 to add additional plantings and ornamental fencing between the Agriculture Building and Emergency parking area to establish the boundary between the two. **Change Order 5/18/10** was approved for an increase of \$28,790 to revise casework and countertop to add point of care testing station for Soiled Utility A00504. **Change Order # 287, BP # 6, 5/13/10**, was approved for an increase of \$38,906 to install dust shield covers on 164 drop in lights in the ED for infection control purposes. **Change Order # 288, BP # 6, 5/13/10**, was approved for an increase of \$47,608 to re-route storm piping, irrigation piping, and vent piping above the ceiling in the auditorium to allow for proper installation of mechanical equipment. **Change Order # 301, BP # 6, 5/18/10**, was approved for an increase of \$54,139 to convert two secure treatment rooms into isolation rooms by adding a new isolation exhaust fan on the 1st floor roof, within the chiller screen wall. Modify air balance and add room monitors for proper pressurization. **Change Order # 327, BP # 6, 6/3/10**, was approved for an increase of \$107,562 to provide temporary upright sprinkler heads where ceilings are not yet installed on the ground floor, and upgrade and extend several of the existing partitions to 2 hour walls for the phased turnover of the ED. **Change Order # 328, BP # 6, 6/7/10**, was approved for an increase of \$101,969 to add missing life safety power to 87 fire **Change Order # 332 BP # 6, 6/10/10**, was approved for an increase of \$88,130 to revise metal stud layout, electrical work, duct work, floor and wall finishes to accommodate the "Celebrate Kentucky" wall design. The final design of the wall was not available when the construction documents were published. **Change Order # 334, BP # 6, 6/11/10**, was approved for an increase of \$42,212 to add various security hardware items to the ground floor ED which were not included in the original contract documents. **Change Order #336, BP # 6, 6/11/10**, was approved for an increase of \$34,217 to provide horizontal connections for 34 locations for the overhead paging system in the ED. The final design of the system was not selected by the end users prior to the submission of construction documents. **Change Order # 340, BP # 6, 6/24/10**, was approved for an increase of \$80,919 to add card readers, locking door hardware, exit button, door contact, key switch, shear locks, retractable latches and delayed egress controller to various doors in the ED to realize the required security and access control for imaging areas and med. storage rooms. **Change Order # 343, BP # 6, 6/25/10**, was approved for an increase of \$45,551 to include a new pathway and the abutting planting mounds for the green roof on the 5th floor roof. It includes the relocation of the excess Green Roof planting trays that are displayed by the new pathway and planting mounds. **Change Order # 350, BP # 6, 6/25/10**, was approved for an increase of \$89,093 to add one duplex outlet and change one duplex to quad outlet in 128 Acute Care and ICU Patient Rooms on the 6th and 7th floors. **Change Order # 354, BP # 6, 6/29/10**, was approved for an increase of \$69,437 to modify street light bases and illuminated signs along Limestone St. to allow installation of exterior signs and street lighting.

Construct Patient Care Facility Change Orders greater than \$25,000 Cont....

Change Order # 363, BP # 6, 7/6/10, was approved for an increase of \$26,160 to add panel, transformer and fused disconnect in the parking garage to support lighting and receptacles in the bridge lobby. **Change Order # 380, BP # 6, 7/27/10,** was approved for an increase of \$34,092 to drain heating hot water system, and relocate 15 valves of varying sizes. This will facilitate requirement of fewer outages and disruptions to patient care in future phases of construction. **Change Order # 404, BP # 6, 8/6/10,** was approved for an increase of \$47,988 to relocate various sanitary, waste, and vent lines that are above high voltage gear on the fourth floor, and place pans under any lines that cannot be moved in order to eliminate the threat to electrical gear below. **Change Order # 405, BP # 6, 8/6/10,** was approved for an increase of \$59,470 to revise lobby design to accommodate design of the Main Donor Wall. The design of the Donor Wall was not available when the project was bid. **Change Order # 413, BP # 6, 8/11/10,** was approved for an increase of \$60,950 to revise the Rose Street Plaza landscaping to include additional subsoil, planting medium, and plants as required to expand the landscaping plan. **Change Order # 416, BP # 6, 8/11/10,** was approved for an increase of \$29,068 to furnish and install automatic dampers and their controls for the atrium smoke exhaust fans. **Change Order # 426, BP # 6, 8/18/10,** was approved for an increase of \$58,718 to provide Icynene spray foam for fire protection in all pockets more than 12-inches in depth. **Change Order # 433, BP # 6, 8/25/10,** was approved for an increase of \$36,213 to reroute storm pipe in the ground floor lobby area including portion the underground piping. **Change Order # 441, BP # 6, 8/30/10,** was approved for an increase of \$48,310 to furnish the labor and material to revise four steel reinforced concrete fan bases, and provide four additional steel reinforced concrete fan bases on the fifteenth floor of the facility. **Change Order # 462, BP # 6, 9/13/10,** was approved for an increase of \$284,907 to install conduit and cabling to accommodate nurse call device quantity and location changes per approved Hill Rom drawings. **Change Order # 465, BP # 6, 9/14/10,** was approved for an increase of \$313,636 to furnish and install 128 Marlite artwork panels and Korogard wall protection with related trim on inpatient room walls at the head of the bed to accommodate the final selection of the artwork for patient rooms. **Change Order # 467, BP # 6, 9/15/10,** was approved for an increase of \$26,145 to furnish and install additional trapeze hangers for life safety and emergency. **Change Order # 475, BP # 6, 9/15/10,** was approved for an increase of \$88,510 to furnish and install additional 120V power connections required for twenty-four PTZ cameras. **Change Order # 477, BP # 6, 9/17/10,** was approved for an increase of \$57,683 to provide additional work in the laboratory required to complete the connections between the east connector and to maintain and enhance operations of the Critical Care 6th floor laboratory. **Change Order # 481, BP # 6, 9/22/10,** was approved for an increase of \$76,752 to provide 2 additional sets of filters for AHU's that were not purchased with the equipment or from the HVAC contractor. **Change Order # 485, BP # 6, 9/28/10,** was approved for \$313,198 to furnish and install electrical conduit and wiring associated with additional electrical and data outlets throughout the 6th & 7th floors. **Change Order #461, BP # 6, 10/18/10,** was approved for an increase of \$30,566 to replace the existing analog security cameras for the Int Helipad with digital cameras so that they will tie into the new security monitoring system. **Change Order # 500, BP # 6, 10/1/10,** was approved for an increase of \$54,866 to furnish and install the required infrastructure, finishes and equipment to activate a food kiosk on the first floor. **Change Order # 505 BP # 6, 10/11/10,** was approved for an increase of \$87,055 to provide additional labor and material to furnish and install ductwork, heating water piping and associated controls to heat and cool the dining area adjacent to first floor lobby. **Change Order # 509, BP # 6, 10/12/10,** was approved for an increase of \$87,829 to furnish the labor and materials to reinforce the underside of the existing Children's Hospital bridge. **Change Order # 512 BP # 6, 10/12/10,** was approved for an increase of \$85,357 to fund overtime costs for drywall installation on the 6th and 7th floors to maintain project schedule. **Change Order # 516, BP # 6, 10/18/10,** was approved for an increase of \$57,559 to revise the conduit path to the ICU workstation from via columns to via under-floor poke-thrus in eight locations. **Change Order # 517, BP # 6, 10/18/10,** was approved for an increase of \$57,819 to furnish and install 52 smoke detectors including one on each side of the rated doors with door hold opens in the Emergency Department as required by the Fire Marshall. **Change Order #518, BP # 6, 10/19/10,** was approved for an increase of \$37,616 to install 20 gravity dampers to serve as backdraft dampers for roof top fans. **Change Order # 522 BP # 6, 10/26/10,** was approved for an increase of \$28,015 to provide properly terminated patch cables between room boards and precautionary signs in 128 rooms on the 6th and 7th floors due to selection of signage. **Change Order # 526, BP # 6, 10/26/10,** was approved for an increase of \$51,847 to provide full depth replacement of the pavement scheduled for milling (Rose Street up to Limestone Street intersection) due to existing problems in pavement. **Change Order # 538, BP # 6, 11/1/10,** was approved for an increase of \$87,125 to revise nurse call device locations and modify power and data locations in furniture systems on the sixth and seventh floors to accommodate the nurse call and furniture systems selected. **Change Order # 542, BP # 6, 10/28/10** was approved for an increase of \$32,304 to provide temporary installation of 23 AV strobe devices in the construction areas adjacent to the areas of the ED that are occupied as requested by the State Inspector. **Change Order #544, BP # 6, 11/1/10,** was approved for an increase of \$25,607 to build a frame below fan coil units in the 14th level elevator machine rooms to eliminate the ability for someone to walk under the units as requested by the Elevator Inspector. **Change Order # 546 , BP # 6, 10/28/10,** was approved for an increase of \$26,149 to furnish labor and material to shim casework to align curtain wall and precast panels in 128 patient rooms. **Change Order # 551 , BP # 6, 11/2/10,** was approved for an increase of \$48,092 to furnish the labor and materials to install seventeen data outlets for lighting control interface panels. **Change Order # 561, BP # 6, 11/5/10,** was approved for an increase of \$135,267 to provide power, data and detailed rough-in requirements for security devices on the ground through six levels. **Change Order # 566 , BP # 6, 11/12/10,** was approved for an increase of \$45,037 to furnish and install materials necessary to protect lobby stone floor during the construction process. **Change Order # 567 , BP # 6, 11/10/10,** was approved for an increase of \$31,970 to furnish and install six 4 inch conduits on the 6th floor in lieu of the cable tray shown on design due to space constraints. **Change Order # 569 , BP # 6, 11/12/10,** was approved for an increase of \$29,094 to furnish and install additional power and technology cabling/outlets in the ED core area. **Change Order # 572 , BP # 6, 11/12/10** was approved for an increase of \$31,746 to modify the type-C data outlet requirements on 6th and 7th floors for 802.11 wireless access points. **Change Order # 573, BP # 6, 11/11/10** was approved for an increase of \$25,590 to add eighteen additional fireman's phone jacks and associated conduit and wiring for elevator control rooms. **Change Order # 574 , BP # 6, 11/10/10,** was approved for a decrease of \$29,881 to delete unnecessary work previously purchased as a result of revisions made in the Rose Street Plaza. **Change Order # 585 , BP # 6, 11/24/10,** was approved for an increase of \$77,023 to provide for color revision of the marble that serves as a base for the ten columns in the main lobby. **Change Order # 601 , BP # 6, 12/14/10,** was approved for an increase of \$47,480 to provide premium time for the electrician to keep the electrical rough-in ahead of drywall installation due to change order work. **Change Order # 604, BP # 6, 12/14/10** was approved for a decrease of \$27,229 to delete hot water piping insulation for temporary heat on shelled floors 5, 8, 9, 10, 11 & 12. **Change Order # 617 , BP # 6, 12/17/10,** was approved for an increase of \$54,781 to provide for modifications to 6th and 7th floor door hardware and electronic security hardware as required by building code inspector.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

PCF - Hospital - CUP Expansion

Project Number: 2239.32

Scope: \$13,150,000

Project Description:

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: 46

Cumulative Change Order Amount:

\$783,937

Low Bid: \$9,474,000

Revised Contract Amount:

\$10,257,937

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

Construct Patient Care Facility (Pavilion A, OR Suites and Support)

Project Number: 2239.70

Project Description:

Scope: \$35,000,000

This project provides a new surgical suite to be constructed in the shell space of the new Patient Care Facility. The project includes construction of 8 operating rooms, 1 hybrid OR, with supporting spaces for surgical pathology, surgical pharmacy, anesthesiology, staff lounge and lockers, and pre-operative / post operative functions. Also included will be the construction of a new central sterile supply and associated elevators to serve the new surgery areas. In addition the project will supply a 63,000 CFM air handling unit to provide for the HVAC requirements of this area. The fit-up encompasses an area of approximately 66,000 SF.

Consultant: GBBN

Contract # A061080

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$937,498
Cumulative Amendment Amount:	
Revised Contract Amount:	\$937,498

Contractor: Turner Construction Co. (Construction Manager At-Risk) 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 #

Total Change Orders to Date: 1

Low Bid:

High Bid:

Number of Bids:

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

Change Order # 1, 8/30/10, was approved for an increase of \$29,377 to construct a full-scale mock-up of select O.R. spaces for Owner review and testing of equipment locations. **No change orders greater than \$25,000 this quarter.**

Original Contract Amount:	\$1,553,369
Cumulative Change Order Amount:	\$29,377
Revised Contract Amount:	\$1,582,746
Contract Percent Complete:	9%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Digital Village Building 2

Project Number: 2297.10

Scope: \$18,669,725

Project Description:

This project consists of the design and construction of approximately 43,000 gross square feet of research space for the Center for Visualization and Virtual Environments as well as selected research activities in the Department of Computer Science and the Department of Electrical and Computer Engineering. The facility must be sufficiently flexible in design so that it can be easily adapted to support research into emerging areas of interest. The structure should provide flexible office space and support facilities. This project will pursue LEED Certification.

Consultant: JRA Architects

Contract # A091110

Total Amendments to Date: 1

Describe all amendments :

Amendment 1, 8/11/09, an increase of \$37,800 was approved to provide for the research and design of a photovoltaic system. No amendments this quarter.

Original Contract Amount: \$1,409,934

Cumulative Amendment Amount: \$37,800

Revised Contract Amount: \$1,447,734

Contractor: Congleton-Hacker * Note: This is a 'CM-At-Risk' contract. The amount will be increased as subcontracts are bid and added. *Congleton-Hacker's contract was awarded by RFP process. *25 Trade subcontracts have been added to date

Contract # 4500031914

Total Change Orders to Date: 074

Low Bid:

High Bid:

Number of Bids:

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

Change Order # 14, 2/4/10, was approved for an increase of \$37,930 to install new cabling between the switch in the new manhole to the existing one to avoid splices in the existing cabling and to minimize the shutdown and outage time required for the electrical service to the Hardymon Building. Change Order # 15, 2/4/10, was approved for a decrease of \$32,042 to adjust the allowance found in the photovoltaic panel installation bid package due to bid savings. Change Order # 19, 3/12/10, was approved for an increase of \$46,491 to revise the communications duct bank to the south and to modify the slope of storm line D. This will facilitate future duct bank tie-in without shutting down access to the parking lots north of College View. Change Order # 30, 6/10/10, was approved for an increase of \$26,044 to provide for utility work on the west side of Memorial Coliseum due to found conditions. The existing Communications ductbank stub-out extends further than expected and is obstructing the installation of the piping. Change Order # 38, 8/23/10, was approved for an increase of \$31,228 to provide wireless access points within the building to provide adequate networking capability within the building. Change Order # 45, 8/24/10, was approved for an increase of \$75,530 to provide the access control system required to properly manage the electronic locks. In addition stand-alone battery operated locks were added to all offices and public spaces. Change Order # 46, 8/30/10, was approved for an increase of \$44,806 to include installing new manholes for the building pumped discharge and vault pumped discharge. This change also includes adding pump discharge to piping and master trap detail to sanitary manhole and also connecting the forced main and gravity sewer main to the new gravity sewer manhole. Change Order # 58, 9/28/10, was approved for an increase of \$43,679 to provide for resurfacing and repairing the existing parking lot around the new utility vault west of the Digital Village. No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Expand & Upgrade Livestock Disease Diagnostic Lab

Project Number: 2234.00

Scope: \$27,155,200

Project Description:

New space is needed for more than one veterinary pathologist to perform animal postmortem examinations in addition to renovation of current necropsy space. New space is also needed to add molecular biology/special procedures capabilities to the laboratory. New technology in the form of an alkaline hydrolysis digester is needed to replace an aging incinerator. The Livestock Disease Diagnostic Lab is an office and laboratory building with net assignable space of 3,860 square feet for offices and 28,100 square feet of laboratories and support space. It is proposed to add 6,300 and 1,200 square feet (net) of new laboratory and office space, respectively. An existing necropsy laboratory and support space will be renovated (2,000 square feet net).

Consultant: CMW, Inc.

Contract # A061100

Total Amendments to Date: 3

Original Contract Amount: \$648,000

Cumulative Amendment Amount: \$1,846,800

Revised Contract Amount: \$2,494,800

Describe all amendments :

Amendment # 1, 12/12/06, was approved for \$90,000 to provide additional design services to accommodate a phased implementation consistent with the legislative budget action. Includes the additional design to study the new tissue digester effluent impact of the LFUCG Town Branch Wastewater Treatment Plant. Amendment # 2, 12/10/07, an increase of \$131,000 was approved for additional schematic design services to include multiple methods of animal carcass disposal including rendering, incineration and digestion. Amendment # 3, 7/16/08, an increase of \$1,625,800 to provide all of the architectural and engineering services required to complete Schematic Design, Design Development, Construction Documents and Construction Administration phases for an estimated \$20,000,000 worth of construction at the existing UK Livestock Disease Diagnostic Center Facility. No amendments this quarter.

Contractor: Congleton-Hacker Company (Construction Manager-At-Risk)

Note: This is a 'CM-At-Risk' contract. The amount will be increased as subcontracts are bid and added.

*Congleton-Hacker's contract was awarded by RFP process.

Contract # 4500026910

Total Change Orders to Date: 162

Low Bid:

High Bid:

Original Contract Amount: \$18,146,148

Cumulative Change Order Amount: \$1,347,933

Revised Contract Amount: \$19,494,081

Contract Percent Complete: 95%

Number of Bids:

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

Change Order # 6, 8/21/09, was approved for an increase of \$45,000 to provide dense graded aggregate (DGA) fill under the building's concrete slabs. The DGA was incorrectly detailed and is required for correct construction of the building concrete slabs. Change Order # 19, 12/14/09, was approved for an increase of \$44,983 to select a better match to existing bricks than the proposed brick. The General Shale brick that was bid was deemed unacceptable in the project mock-up wall. Change Order # 35, 12/21/09, was approved for an increase of \$64,388 to provide temporary paving around Necropsy. This portion of the paving was purposefully deferred during bidding due to market fluctuation. Change Order # 49, 3/1/10, was approved for an increase of \$28,360 to add matching freestanding wall on top of retaining wall to create a min. 42" high wall. This prevents any chance of falling and improves site grading requirements adjoining the wall. Change Order # 56, 3/17/10, was approved for an increase of \$35,910 to provide for rental of a trailer necessary for the temporary relocation of UK College of Ag. pathologists. The pathologists must be temporarily relocated to allow for existing facility renovation work to proceed. Change Order # 77, 4/21/10, was approved for an increase of \$43,516 to modify wall to provide additional stud cavity to conceal pipes and conduit. This also eliminates sloped cap and makes it flush for cleanability. Change Order # 91, 6/7/10, was approved for an increase of \$50,835 to provide mold resistant gypsum board in dry areas and moisture resistant gypsum board in wet areas. Change Order # 98, 7/20/10, was approved for an increase of \$40,187 to implement changes to address the issue of excessive moisture in the soil around necropsy. Change Order # 103, 7/27/10, was approved for an increase of \$32,794 to install base course of asphalt in remaining areas on site that were not included in the contract due to construction phasing and timing. Change Order # 105, 7/28/10, was approved for an increase of \$226,148 to provide coatings consistent with UK compliance standards for animal disinfection. No change orders greater than \$25,000 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Guaranteed Energy Savings Performance Contracts

Project Number: 2288.00

Scope: \$25,000,000

Project Description:

An energy service company (ESCO), such as AMERESCO, provides comprehensive energy and water management analysis plans as well as energy and water-related capital improvement services. Enabled by Kentucky Revised Statute 56.774, energy savings performance contracting is a cost-effective process for energy upgrades. Energy service companies guarantee that utility savings generated by facility upgrades are sufficient to pay back the capital investment during the next twelve years. If the project does not provide these returns on the investment, the ESCo is responsible for the difference. This project will help meet the overall University goal, which is to decrease the university's overall energy demands by 10-15 percent.

Energy conservation measures in the project that will reduce the university's overall energy consumption include: Upgrades to lighting systems to the latest electric saving technology; fume hood controls in Chemistry/Physics; HVAC systems; steam and chiller plant controls; Installation of motor speed drives (VFD's) to save energy during mild weather conditions; Energy management software to monitor usage in real time; and automatic utility metering devices; Replacement of old plumbing fixtures to the latest water saving technology; Repair of pipe insulation; Behavioral modification programs to encourage energy conservation, tailored for campus and developed, implemented and measured to maximize effectiveness and initiate a culture of energy efficiency.

Consultant: N/A

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

Contractor: Ameresco Inc

Note: This is a 'CM-At-Risk' contract. The amount will be increased as subcontracts are bid and added.

*Ameresco's contract was awarded by RFP process.

Contract # 4500042240

Original Contract Amount:

\$24,675,589

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

\$24,675,589

High Bid:

Contract Percent Complete:

20%

Number of Bids:

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

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

Renovate 4-H Camps
Project Number: 2310.0
Scope: \$2,000,000

Project Description:

The College of Agriculture Cooperative Extension Service and 4-H Youth Development operate 4-H Camping Centers in Nicholas, Pulaski, Laurel and Hopkins counties. This project will renovate existing cabins by upgrading utility infrastructure, improving finishes, and installing energy efficient heating and air conditioning systems. The project also will include replacement of existing bunks and mattresses in all the camps. Additionally, a new cabin will be built that will house 28 campers and 4-H staff.

Consultant: Murphy & Graves

Contract #	A101000BB	Original Contract Amount:	\$50,000
Total Amendments to Date:		Cumulative Amendment Amount:	
Describe all Amendments:		Revised Contract Amount:	\$50,000

No amendments this quarter.

Contractor: Churchill McGee, LLC - Camp Cumberland

Contract #	4500042781	Original Contract Amount:	\$299,000
Total Change Orders to Date:		Cumulative Change Order Amount:	
Low Bid:	\$299,000	Revised Contract Amount:	\$299,000
High Bid:	\$395,000	Contract % complete:	8%
Number of Bids:	4		

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

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

Contractor: Lewis Brothers, Inc. - Camp Feltner

Contract #	4500042795	Original Contract Amount:	\$174,600
Total Change Orders to Date:		Cumulative Change Order Amount:	
Low Bid:	\$174,600	Revised Contract Amount:	\$174,600
High Bid:	\$262,000	Contract % complete:	34%
Number of Bids:	7		

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

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

Contractor: DH Lawson Construction - Camp Redwood

Contract #	4500042805	Original Contract Amount:	\$249,937
Total Change Orders to Date:		Cumulative Change Order Amount:	
Low Bid:	\$249,937	Revised Contract Amount:	\$249,937
High Bid:	\$294,000	Contract % complete:	28%
Number of Bids:	3		

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

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

Contractor: Lanham Brothers General Contractors, Inc. - Camp Dawson Springs

Contract #	4500042794	Original Contract Amount:	\$364,285
Total Change Orders to Date:		Cumulative Change Order Amount:	
Low Bid:	\$364,285	Revised Contract Amount:	\$364,285
High Bid:	\$445,000	Contract % complete:	13%
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

Renovate 4th Floor Sanders-Brown Center on Aging

Project Number: 2313.01

Scope: \$6,428,471

Project Description:

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, non-compliant 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

Total Amendments to Date: 1

Describe all amendments :

Amendment 1, 12/14/10, an increase of \$28,000 was approved for additional design and construction administration services associated with LEED certification.

Original Contract Amount: \$562,119
Cumulative Amendment Amount: \$28,000
Revised Contract Amount: \$590,119

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

Total Change Orders to Date: 1

Low Bid:

High Bid:

Number of Bids:

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

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

Original Contract Amount: \$382,695
Cumulative Change Order Amount: \$3,104
Revised Contract Amount: \$385,799
Contract Percent Complete:

Renovate Nursing Building

Project Number: 2307.00

Scope: \$1,883,970

Project Description:

This project will renovate and convert a covered patio on the third floor of the Nursing Building into student study and discussion space. Additionally, minor enhancements will be made in some fifth floor graduate student space. The project is fully funded from a U.S. Department of Health and Human Services, Health Resources and Services Administration grant.

Consultant: Stengel-Hill Architecture

Contract # A101100

Total Amendments to Date: 1

Describe all amendments :

Amendment 1, 7/20/10, an increase of \$18,500 was approved to provide additional design services for removal of the existing open exterior stair on the Third Floor Exterior Patio of the College of Nursing Building and to complete renovation of the first floor public restrooms. No amendments this quarter.

Original Contract Amount: \$150,000
Cumulative Amendment Amount: \$18,500
Revised Contract Amount: \$168,500

Contractor: Messer Construction Co.

Contract # 4500040661

Total Change Orders to Date: 10

Low Bid: \$1,298,000

High Bid: \$1,568,000

Number of Bids: 10

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

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

Original Contract Amount: \$1,298,000
Cumulative Change Order Amount: \$41,349
Revised Contract Amount: \$1,339,349
Contract Percent Complete: 100%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Old Pharmacy Building for Biology (Multi-Disciplinary Sciences Building)

Project Number: 2317.10

Scope: \$3,677,500

Project Description:

The old Pharmacy building (now Multi-Disciplinary Sciences Building) will be used to provide teaching lab space for Biology, future research lab space for Biology and Chemistry, and office space to co-locate the University's significant core of statistical expertise from the colleges of Arts and Sciences, Public Health and Medicine. This phase of the project will renovate approximately 18,120 square feet on the first, second and third floors of the Multi-Disciplinary Sciences Building and will include the modification of the existing offices and the creation of additional offices, computer class labs, a Biology class lab and support spaces. The estimated scope of \$3.4 million will be funded from institutional fund balances.

Consultant: Stengel-Hill Architecture

Contract # A111080

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$250,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$250,000

Contractor: No construction contracts awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

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

Original Contract Amount:	
Cumulative Change Order Amount:	
Revised Contract Amount:	
Contract Percent Complete:	

Renovate Parking Structure #3 - Hospital

Project Number: 2311.00

Scope: \$635,000

Project Description:

This project includes repairing the concrete topping on levels two and three; painting of pre-cast connections; installation of a new expansion joint at the structural slab transition; full depth slab repairs for levels four, five, and six; and application of an elastomeric waterproofing membrane on level six. These repairs are needed to protect the structure from moisture penetration and resulting deterioration of concrete and embedded metals.

Consultant: Brown & Kubican

Contract # A101030SS

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$42,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$42,000

Contractor: Schnell Contractors inc

Contract # 4500039781

Total Change Orders to Date: 4

Low Bid: \$283,700

High Bid: \$500,991

Number of Bids: 5

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

Change Order # 1, 9/3/10, was approved for an increase of \$68,970 to complete full depth repair, crack repair on levels 5 & 6; Pothole repair 1st ramp, and membrane placement on 5th level. **Change Order # 2**, 9/7/10, was approved for an increase of \$45,460 to provide materials and labor for additional leveling surface on 5th and 6th floors, replace roof scuppers and downspout, roof repair at two stair towers. These issues were found during renovation and considered a priority to repair. **No change orders greater than \$25,000 this quarter.**

Original Contract Amount:	\$296,200
Cumulative Change Order Amount:	\$108,699
Revised Contract Amount:	\$404,899
Contract Percent Complete:	100%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Third Floor Little Library

Project Number: 2306.00

Scope: \$1,000,000

Project Description:

This project will renovate and fit-up approximately 5,300 square feet of shelled space on the third floor of the Little Library. Prior to the library consolidations following completion of the W.T. Young Library, this space was used to house library materials. The renovated space will house the Center for Applied Information Technology, a suite of offices for the School of Library and information and two new classrooms, seating for 48, with smart technology.

Consultant: Pearson & Peters

Contract # A101000DD

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$44,200
Cumulative Amendment Amount:	
Revised Contract Amount:	\$44,200

Contractor: Denham-Blythe Company

Contract # 4500039790

Total Change Orders to Date: 1

Low Bid: \$551,694

High Bid: \$660,600

Number of Bids: 11

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

Change Order # 1, 10/26/10, was approved for an increase of \$121,335 to provide a new office suite for the Dean of the College of Communications and Information Studies. The Dean's office is currently in the Grehan Building and this relocation will allow for expansion space for the CIS program.

Original Contract Amount:	\$551,694
Cumulative Change Order Amount:	\$121,335
Revised Contract Amount:	\$673,029
Contract Percent Complete:	99%

Renovate/Expand the Center for Applied Energy Research (Ph II)

Project Number: 2286.20

Scope: \$882,221

Project Description:

This project will construct a shell to house the Center for Applied Energy Research mini refinery.

Consultant: Denham Blythe

Contract # A101070

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$40,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$40,000

Contractor: No construction contract awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

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

Original Contract Amount:	
Cumulative Change Order Amount:	
Revised Contract Amount:	
Contract Percent Complete:	

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair, Upgrade, Improve Bldg. Systems - Hospital (Elevators Upgrade for KY Clinic)

Project Number: 2296.10

Project Description:

Scope: \$1,000,000

This project seeks to upgrade the elevator cabs, elevator controls and elevator pumps for the five elevators located in Kentucky Clinic (includes Medical Plaza). This project allows the Hospital to provide maintenance and upgrades to prevent breakdowns in the system. The Hospital relies on these systems for the efficient transfer of patients, visitors, supplies, and equipment. Unplanned interruptions to these systems create customer service problems and additional personnel costs.

Consultant: N/A

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

Contractor: Oracle Elevator - * Awarded via RFP Process

Contract # 4500034540

Original Contract Amount:

\$833,835

Total Change Orders to Date: 4

Cumulative Change Order Amount:

\$12,327

Low Bid:

Revised Contract Amount:

\$846,162

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.

Replace Emergency Generators & Fire Pump - UK Good Samaritan Hospital

Project Number: 2277.30

Project Description:

Scope: \$2,025,550

This scope of this project will consist of the replacement or upgrades of the following equipment at the Good Samaritan Hospital: Emergency generator, transfer switches, air handling unit #25, constant pressure water pumps, deareator tank, and a fire pump.

Consultant: CMW, Inc.

Contract # A081150

Original Contract Amount:

\$140,000

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$8,200

Describe all amendments :

Revised Contract Amount:

\$148,200

Amendment 1, 11/11/08, and increase of \$8200 was approved for additional design services as required to provide location options for the emergency generators. **No amendments this quarter.**

Contractor: Messer Construction Co.

Contract # 4500035739

Original Contract Amount:

\$1,520,000

Total Change Orders to Date: 024

Cumulative Change Order Amount:

\$79,513

Low Bid: \$1,520,000

Revised Contract Amount:

\$1,599,513

High Bid: \$1,893,960

Contract Percent Complete:

100%

Number of Bids: 4

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)

Project Number: 2309.00

Project Description: Scope: \$8,050,000

This project consists of the design and construction of a new housing facility of approximately 18,000 GSF to replace the existing Wildcat Lodge. The new facility is to house the UK men's basketball players in addition to other non-athlete students. The building will include a controlled main entryway, with combination living/bedroom spaces, a common space, with dining and gaming rooms. In addition, it will have a conference room and public restrooms in all common areas. The site will be located just east of the Joe Craft Center.

Consultant: JRA Architects

Contract # A101090	Original Contract Amount:	\$554,253
Total Amendments to Date: 1	Cumulative Amendment Amount:	\$6,239
Describe all amendments :	Revised Contract Amount:	\$560,492

Amendment 1, 5/11/10, an increase of \$6,239.33 was approved to provide phase 2 geotechnical exploration services as a reimbursable expenditure. No amendments this quarter.

Contractor: Codell Construction Company

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

Contract # 4500038207	Original Contract Amount:	\$534,999
Total Change Orders to Date: 1	Cumulative Change Order Amount:	\$7,585
Low Bid:	Revised Contract Amount:	\$542,584
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.

Student Housing - Supporting Utility Plant Upgrades

Project Number: 2153.30

Project Description: Scope: \$1,275,000

This project includes expanding the Virginia Avenue Central Utility Plant to accommodate future expansion in steam and chilled water capacity. The project was established in support of the Student Housing Project.

Consultant: AM Kinney

Contract # A041000GG	Original Contract Amount:	\$26,315
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$26,315

No amendments this quarter.

Contractor: English Boiler & Tube Inc.

*English Boiler's contract was awarded by RFP process.

Contract # 4500008298	Original Contract Amount:	\$1,147,748
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	\$1,147,748
High Bid:	Contract Percent Complete:	99%

Number of Bids:

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

No change orders greater than \$25,000.00 this quarter.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade, Renovate, Improve or Expand Research Labs (Fit-up 4th & 5th Floor CoP)

Project Number: 2314.00

Scope: \$28,000,000

Project Description:

The Biological / Pharmaceutical Complex is a new 286,000 s.f. academic / research building for the University of Kentucky College of Pharmacy. The Fourth and Fifth Floor Fit-Out items for the building include miscellaneous metals and stairs, rough and finish carpentry, wall systems, flooring systems, ceiling systems, doors, frames, hardware, coatings, specialized equipment, plumbing systems, fire protection systems, mechanical systems, electrical systems and communications and controls systems. Food Service Fit-out items include rough and finish carpentry, wall systems, flooring systems, ceiling systems, frames, hardware, coatings, plumbing systems, fire protection systems, mechanical systems, electrical systems and communications and control systems. Audio-visual fit-up includes wiring, sound systems, video systems and control systems.

Consultant: EOP Architects

Contract # A101120

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$898,640
Cumulative Amendment Amount:	
Revised Contract Amount:	\$898,640

Contractor: Messer Construction Co.

Contract # 4500039714

Total Change Orders to Date: 1

Low Bid:

High Bid:

Number of Bids:

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

Change Order # 1, 9/17/10, was approved for an increase of \$25,705.13 to assign MultiVista under Messer's contract to provide construction documentation for the entire project to include project documentation (photo sets) with Progression and Detailed Sets, preconstruction site survey and slideshows. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade-Renovate-Improve or Expand Research Labs (Chemistry-Physics Building)

Project Number: 2302.00

Project Description:

Scope: \$1,795,000

The space vacated by the relocation of the Chemistry and Physics libraries will be converted into research and research support space. This renovation will create three wet bench research labs to accommodate three new faculty lines in Chemistry, and one materials lab for Physics. The materials lab will be a multidisciplinary lab that will be used by Chemistry, Physics and Engineering.

Consultant: Omni Architects

Contract # A101060

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$186,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$186,000

Contractor: Denham Blythe

Contract # 4500037598

Total Change Orders to Date: 10

Low Bid: \$1,382,093

High Bid: \$1,497,000

Number of Bids: 9

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

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

Original Contract Amount:	\$1,382,093
Cumulative Change Order Amount:	\$19,479
Revised Contract Amount:	\$1,401,572
Contract Percent Complete:	100%