

FCR 7

Office of the President
February 21, 2011

Members, Board of Trustees:

CAPITAL CONSTRUCTION REPORT

Recommendation: that the capital construction reports for the three months ending September 30, 2011 and the three months ending December 31, 2011 be accepted. These reports refer only to projects that had activity within the quarter.

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

For the period October 1, 2011 thru December 31, 2011:

There were two new contracts this quarter:

Project 2316.0	Renovate Nursing Building – Phase II Churchill McGee, LLC, \$628,199 (<i>Construction</i>)
Project 2335.0	Ambulatory Electronic Health Record Equipment/System (EHR) CMTA, \$123,465 (<i>Design</i>)

There were four new contracts this quarter:

Project 2286.2	Renovate/Expand the Center for Applied Energy Research Phase II Parco Construction Group, \$996,600 (<i>Construction</i>)
Project 2330.0	Renovate Shively Sports Center D.A.G. Construction Co., \$752,000 (<i>Construction</i>)
Project 2324.0	Renovate Northside Library Omni Architects, \$155,000 (<i>Design</i>)
Project 2332.0	Upgrade, Renovate, Improve or Expand Research Labs (Chemistry/Physics) Omni Architects, \$59,000 (<i>Design</i>)

Four contracts were completed this quarter:

Project 2305.2	Construct Equine Campus – Stallion Research Facility HH General Contractor, Inc., \$601,164
Project 2318.0	Repair Pedestrian Bridge at Cooper Drive Structural Systems Repair Group, LLC, \$787,133

- Project 2329.0 Replace Video Boards at Commonwealth Stadium
Daktronics, Inc., \$5,998,280
- Project 2330.0 Renovate Shively Sports Center
D.A.G. Construction Co., Inc., \$814,690

Three amendments were as follows:

- Project 2239.0 Construct Patient Care Facility
- Provide additional utilities investigation, design services, inspections and extend the construction administration services (+) \$395,464
- Project 2239.71 Construct Patient Care Facility (Data Center)
- Provide additional design services to include above ceiling access platforms and hatches. Provide commissioning services (+) \$71,722
- Project 2314.0 Upgrade, Renovate, Improve or Expand Research Labs (Fit-up 4th and 5th Floor CoP)
- Provide additional design services as required to incorporate additional emergency power feeds to support the implementation of the NMR within the basement of the new building (+) \$17,800

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

- Project 2239.7 Construct Patient Care Facility (Pavilion A, OR Suites & Support)
- Furnish and install 12 automatic door operators (+) \$37,610
 - Provide stainless steel enclosures at 5 washers, 1 backflow valve and electrical disconnect bank (+) \$27,016
- Project 2309.0 Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)
- Accept addition of add alternate # 1 to provide construction of an exterior patio (+) \$78,417
 - Reduce scope of graphics package (-) \$35,000
- Project 2312.01 Construct CAER Lab Bldg. # 2
- Reduction in scope of work due to value engineering changes after project bids were received (-) \$191,492
 - Provide for revision of the primary power to support the power requirements for the project after found conditions (+) \$52,188
 - Provide oversized curb needed to close the roof opening for the strobic fan installation (+) \$26,410
- Project 2314.0 Upgrade, Renovate, Improve or Expand Research Labs (Fit-up 4th & 5th Floor CoP)
- Provide all site work at the west elevation and previously not installed landscape in the 4th and 5th floor fit-up staging area (+) \$69,999
 - Add HVAC ductwork to stair N (+) \$26,075
 - Provide landscaping in front of KMSF where new steam piping was installed (+) \$29,604
- Project 2315.0 Renovate Track & Field Facility
- Increase the Kentucky American Water Co. allowance needed to relocate a section of waterline along Cooperstown Drive (+) \$35,975
 - Provide for installation of subdrainage piping for the permeable pavers for the drive along the north side of the track (+) \$25,275

- Project 2330.0 Renovate Shively Sports Center
- Provide for correction of the above ceiling electrical code deficiencies that were unknown at the time of bid (+) \$32,342

For the period July 1, 2011 thru September 30, 2011:

There were four new contracts this quarter:

- Project 2286.2 Renovate/Expand the Center for Applied Energy Research Phase II
Parco Construction Group, \$996,600 (*Construction*)
- Project 2330.0 Renovate Shively Sports Center
D.A.G. Construction Co., \$752,000 (*Construction*)
- Project 2324.0 Renovate Northside Library
Omni Architects, \$155,000 (*Design*)
- Project 2332.0 Upgrade, Renovate, Improve or Expand Research Labs (Chemistry/Physics)
Omni Architects, \$59,000 (*Design*)

Two contracts were completed this quarter:

- Project 2234.0 Expand & Upgrade Livestock Disease Diagnostic Lab
Congleton Hacker, \$19,775,609
- Project 2322.1 Reynolds Building # 1 Renovation & Enhancements
Jarboe Construction Co., \$479,375

One amendment was as follows:

- Project 2234.0 Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)
- Provide additional design services to address building foundation subsurface issues that varied from the initial geotechnical report (+) \$4,735

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

- Project 2239.0 Construct Patient Care Facility
- Provide credit for expenses incurred during the installation of the feeder circuits to the transformers due to lack of preliminary short circuit study (-) \$86,636
 - Provide for additional storm piping requirements for areas in 3rd & 4th floor mechanical rooms due to coordination issues (+) \$120,151
 - Provide modifications needed to allow the construction elevator to operate separately from the service elevators (+) \$28,168
 - Provide credit for standard metal frames in lieu of specified galvanized metal frames on patient bathroom doors (-) \$35,000
 - Provide for additional metal panel ceiling/soffit on the east and west ends near the west connector (+) \$65,927
 - Provide modifications allowing the building chilled water system to operate within the campus chilled water system parameters (+) \$57,849

- Project 2239.7 Construct Patient Care Facility (Pavilion A, OR Suites & Support)
- Provide for revision of underslab plumbing to relocate floor drains and vent lines in the CSS area to accommodate Steris Equipment (+) \$34,736
- Project 2312.01 Construct CAER Lab Bldg. # 2
- Provide equipment change allowing for a fan that will operate more efficiently at a lower usage (+) \$55,965
 - Provide modification to the heat pump and ductwork layout to provide energy enhancement to the initial design (+) \$50,307
 - Provide for addition of redundant pumps to provide greater system reliability in the future (+) \$60,218
 - Provide for addition of battery testing bunker (+) \$85,825
- Project 2314.0 Upgrade, Renovate, Improve or Expand Research Labs (Fit-up 4th & 5th Floor CoP)
- Provide for addition of a video/media wall capable of providing full screen playback (+) \$88,193
 - Provide changes to labs 596 & 576, support rooms 594A, 574B and 574A required to support new research (+) \$141,546
- Project 2315.0 Renovate Track & Field Facility
- Provide sand based sod in lieu of regular soil based sod for better drainage performance (+) \$30,332
 - Provide credit for use of interlocking deck in lieu of welded deck and use of galvanized steel in lieu of painted finish on structure (-) \$45,600
 - Provide and install an eight lane practice track (+) \$117,663
- Project 2317.1 Renovate Old Pharmacy Bldg. for Biology (Multi-Disciplinary Sciences Bldg.)
- Provide an additional 1400 nsf of finished office space for the department of Statistics (+) \$109,805

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

July 1, 2011 – September 30, 2011

**Major Projects
Capital Project Management Division
October 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:

The project was very active for the month of with the main focus on getting the building dried in and the site prepared for sidewalks. Grading has started around the building and the battery test bunker is in the process of being built. The bio-swale is complete and is ready for plantings. The exterior wall is nearing completion with the glazing, nano gel and metal panels being installed. Interior construction continues with MEP rough-ins and drywall has started to be installed on the first floor. Concrete block walls are complete and door frames have been installed. Electric panels are set and the electric gear is on site ready to be installed. Ductwork and mechanical piping is continuing in the mechanical rooms and corridors. The dry-lab metal panels have been set along with a majority of the panels for the environmental chambers. In November, the focus will continue on exterior dry-in and getting temporary heat on-line to allow interior finishes to continue. Concrete sidewalks, curbs and loading dock concrete paving will be installed. The parking lot asphalt will be started and plantings are scheduled to in the bio-swale. The drywall will continue to be hung and prime painting will begin in areas to allow lab casework to be set once it arrives. The MEP overhead will continue and MEP wall rough-in will be completed. The concrete stairs will be poured at Stair B and the mechanical curb will be placed. The CMU and brick will be complete at the test bunker and the roof slab will be in the process of being placed on the test bunker. Retaining keystone wall will be placed and grading will continue around the building once sidewalks are in place.

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:

Substantial Completion is anticipated by December 16, 2011.

Construct Patient Care Facility- Data Center

Project Description:

This project will fit-up approximately 2,000 square feet for a new computer machine room on the fourth floor of the new Patient Care Facility for a new hospital data center with redundant air conditioning, electrical and communication support systems.

Project Status:

Construction of the data center is well underway. Piping and metal studs are in place. All major equipment should arrive on site and be set in place during November and December. Start up, connection of equipment and commissioning will take place during January and February of 2012. The project is on schedule for Substantial Completion February 24, 2012. The installation of equipment furnished by the University is scheduled to begin immediately after that date with the data center coming on line late May of 2012.

Construct Patient Care Facility- OR Suites & 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 3 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:

The project is nearing substantial completion. All areas are nearly complete. Final change order work is being completed. Owner furnished equipment is being installed by manufacturer's installation teams. Final commissioning is to complete 11/18/11. Construction cleaning is occurring in all areas. A phased opening begins with central sterile on 1/7/12.

Guaranteed Energy Savings Performance Contract

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:

Four ECMs remain outstanding; Capacitor Banks, Energy Monitoring, Solar Water Heater at Poundstone and Air Handling Units Variable Frequency Drives (AHU VFD). All other ECMs will be Substantially Complete effective November 2011. The four remaining ECMs are anticipated to be Substantially Complete by April 1, 2012.

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:

Several of the trade packages were re-bid after value engineering was conducted to get the project back within budget. All modified packages came in within their estimates, and contracts have been awarded. Messer Construction and their sub-contractors will be on site in mid-December to begin demolition.

Renovate Northside Library

Project Description:

This project consists of renovating approximately 11,000 GSF of space on a single floor. The building will be renovated into an undergraduate class lab facility for Biology and an outreach instructional facility for the Partnership Institute for Mathematics and Science Education Reform (PIMSER). The improvements will include a community activities room that will double as a classroom for both PIMSER and Biology. The renovation will also incorporate necessary upgrades of the building systems, such as communications, plumbing, HVAC, electrical, fire safety and security.

Project Status:

Omni Architects and Staggs and Fisher Consulting Engineers were selected to perform design services for this project. Design meetings have been held with the end users and other University representatives to confirm the user needs are being met. The design is current in the construction document phase.

Final documents are to be delivered on 12/19/11. The project is tentatively scheduled to bid in mid-January 2012. Substantial completion is tentatively scheduled for 7/30/12, with a final completion date of 8/30/12.

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:

The project was bid on October 21, with Churchill- McGee Contractors as the low bidder. A contract will be awarded and demolition will begin. Substantial completion is scheduled for May 5, 2012.

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:

Substantial completion is scheduled for December 4, 2012.

Renovate Schmidt Vocal Arts Center

Project Description:

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

Project Status:

The design has been completed through the Design Development phase. The University is utilizing these plans for fundraising purposes. Once all funding is in place, the Construction Documents will be completed so the project may go out for bid.

Renovate Shively Sports Center

Project Description:

This project consists of renovating 9,121 square feet of the Shively Sports Center using \$950,000 of private funds from the Athletic Association. The project was approved at the May 3, 2011 Board of Trustees meeting. This renovation will modernize the center's locker, shower, restroom, and lounge facilities for men's and women's track and baseball teams. Also, the project will modernize the existing hallways and lighting systems and enhance the overall functionality of the facility. A request has been made to increase the project scope by 15%, to \$1,092,500 as a result of existing electrical code violations that have to be corrected.

Project Status:

Demolition work, a new slab and new walls in the baseball and track & field toilet & shower rooms have been completed. Furring and drywall have been installed and painting has begun in all locations. Ceiling grid is nearing completion. Hanging of light fixtures has begun. Above ceiling inspections have been performed allowing the contractor to install suspended acoustical ceiling pads. Tile work is in progress in the new toilet/shower rooms; the contractors have begun setting plumbing fixtures. As a result of changes to existing doors to the batting cage room, the doors will not be completed by the date of substantial completion. The contractor is working to have all other work completed, and the doors are to be hung following substantial completion and prior to final completion.

As a result of changes to the doors, a 7 calendar day time extension was approved, moving substantial completion to December 1, 2011 and Final Completion to December 31, 2011.

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:

Installation of the track equipment is complete. Corrections have also been completed on areas deemed "out of tolerance" on the asphalt, keeping in compliance with NCAA requirements. Masonry work on Building "A" is complete, with trusses being set on Building "B". Building "C" grade beams are complete now as well as the M/E/P underlab utilities rough-in. Site work has progressed with the installation of the track perimeter sidewalk, the lower bleacher retaining walls to Building "D" are finished, rough grade cut along Cooperstown Drive and around Cooperstown Building "A" has wrapped up, and Kentucky American Water Company work for the water main relocation is being finished as well. Ongoing work includes installation of ramp walls, site work at the southeast corner of the site, replacement of the perimeter fence. Installation of the track surface will commence in early spring as weather permits.

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 – The Fischer-Tropsch facility has commenced construction. The contractor has mobilized onsite, and has begun installation of site utilities, building pad preparation and building foundations. Shop drawings have been submitted and approved for the metal building assembly. Work coming up in the next month will be continuing the installation of the grade beams and delivery of the metal building components with installation of the metal building following.

Repair Pedestrian Bridge at Cooper Drive

Project Description:

This project provides for emergency repairs to the pedestrian bridge which crosses Cooper Drive. The bridge has numerous corrosion issues, electrical problems, and settling issues. BFMJ Structural Engineers has been contracted to evaluate the current condition of the bridge and design repairs and upgrades which will extend the service life for the foreseeable future. The bridge supports student pedestrian traffic which crosses Cooper Drive midway between S. Limestone and University Drive. It is integral to connecting the campuses of the college of Agriculture.

Project Status:

The project is substantially complete. The bridge was reopened for pedestrian traffic on 10/10/11. UK-PPD Grounds Dept. is in the process of site final restoration. All punch list work will be completed by 11/23/11.

Replace Video Boards at Commonwealth Stadium

Project Description:

This project replaces the video boards at Commonwealth Stadium with new LED technology video panels and sound system.

Project Status:

Facility was Substantial Complete effective September 12, 2011.

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. The project scope was 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.

Project Status:

Site infrastructure, masonry and stone work are nearing completion. The contractor has begun pouring exterior sidewalks. The roof has been installed, and windows have been set. The interior stairs have been installed. Interior metal studs have been erected and mechanical, electrical and plumbing rough-ins are in progress on all floors. The contractor has begun setting shower pans on the 3rd floor. Drywall has begun on the 3rd floor.

The project was delayed as a result of excessive precipitation days and concealed foundation conditions in April. Substantial completion is currently scheduled for March 3, 2012, with final completion scheduled for April 2, 2012.

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

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:

Project achieved substantial completion and is now in warranty.

Upgrade/Renovate/Improve or Expand Research Labs (Chemistry/Physics)

Project Description:

This project will renovate approximately 2,100 square feet of Physics wet bench research space in the Chemistry-Physics Building. The renovation will include new casework and fume hoods, upgrade lighting, HVAC, plumbing, communications, fire safety, security and upgrades to all finishes.

Project Status:

The Design Development Phase Review Meeting was held October 31, and Design Documents were approved. The contractor will be relocating the clean room from 156A to 51A the week of December 19. This will allow the contractor to start demolition immediately following contract award. Substantial completion is scheduled July 16, 2012. The project is currently on schedule and within budget.

Upgrade Student Center Infrastructure

Project Description:

The Upgrade Student Center Infrastructure project will repair, upgrade and improve existing building infrastructure systems that have exceeded their useful life, need to be upgraded to meet current building code requirements, or need to be upgraded to meet current capacities being exceeded with occupant load. Systems include HVAC,

plumbing and sanitary, mechanical, electrical and lighting, fire suppression/sprinkling, and communications infrastructures. As these infrastructure needs are upgraded, aesthetic and cosmetic upgrades will be made as a result of and in support of infrastructure upgrades.

Project Status:

All design work has stopped pending re-evaluation of project Scope and Budget.

Renovate Parking Structure # 3 – UKHC

Project Description:

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

Project Status:

The request for design proposals was advertised on the University's website on Friday, October 25, with proposals due on November 11. The selection committee is scheduled to short-list the firms on November 18, and conduct interviews on December 2.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct CAER Lab Bldg. #2

Project Number: 2312.01

Scope: \$20,650,352

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: 034

Low Bid:

Hlgh Bld:

Number of Bids:

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

Original Contract Amount:	\$15,405,394
Cumulative Change Order Amount:	\$497,071
Revised Contract Amount:	\$15,902,465
Contract Percent Complete:	50%

Change Order # 3, 1/21/11, was approved for an increase of \$146,400 to shift the underslab plumbing work from Bid Pack # 3 to Bid Pack # 1 facilitating the first floor slab being poured and completed earlier in the construction schedule resulting in cost savings. Change Order # 22, 9/15/11 was approved for an increase of \$55,965 to provide an equipment change allowing for a fan that will operate more efficiently at a lower usage. Change Order # 23, 9/15/11 was approved for an increase of \$50,307 to provide modification of the heat pump and ductwork layout to provide energy enhancement to the initial design. Change Order # 24, 9/15/11 was approved for an increase of \$60,218 to add in redundant pumps to provide greater system reliability in case of failure. Change Order # 26, 9/15/11 was approved for an increase of \$85,825 to add back the battery testing bunker bid package that was removed from Bid Pack # 3.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Equine Campus - Stallion Research Facility

Project Number: 2305.20

Scope: \$732,366

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.

Consultant: LCM Company

Contract # A111000NN

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$49,000

Cumulative Amendment Amount:

Revised Contract Amount:

\$49,000

Contractor: HH General Contractor, Inc.

Contract # 4500047130

Total Change Orders to Date: 1

Low Bid: \$576,311

High Bid: \$830,000

Number of Bids: 7

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

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

Original Contract Amount:

\$576,311

Cumulative Change Order Amount:

-\$6,670

Revised Contract Amount:

\$569,641

Contract Percent Complete:

85%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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:	9	Cumulative Amendment Amount:	\$7,391,235
Describe all Amendments:		Revised Contract Amount:	\$37,791,461

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 an 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 additional design 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. **Amendment 9, 1/25/11,** an increase of \$409,072 was approved to provide design and CA services for the PCF Data Center fit-up. **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:	1300	Original Contract Amount:	\$319,756,574
Low Bid:		Cumulative Change Order Amount:	\$24,921,860
High Bid:		Revised Contract Amount:	\$344,678,434
Number of Bids:		Contract % complete:	99%

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. 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 fractures found 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 and 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 quarter.**

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

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

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. **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 # 48 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. **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, 6/16/09**, 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, 8/1/09**, 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, 8/26/09**, was approved for an increase of \$26,436 to re-route existing sanitary sewer to allow 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, 9/16/09**, 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** 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, \$39,069** to replace pipe and steam traps. This cost will be deducted from the contract of the steam generator vendor. **Change Order # 146, 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

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

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. Change Order # 214, BP # 5, 1/10/11, was approved for an increase of \$25,893 to fire wrap the exhaust ducts on the 14th level corridor. Change Order # 221, BP # 5, 2/2/11, was approved for an increase of \$51,570 to install a status annunciator panel for the transfer switches on the fourth floor. Change Order # 227, BP # 5, 3/24/11, was approved for an increase of \$32,087 to install an additional set of CT's on the load side of the stand alone fire pump circuit breakers on the fourth floor. No change orders greater than \$25,000 this quarter.

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 6th 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 these work stations fiber and coax was deemed unnecessary. Change Order # 57 BP # 6, 9/29/09, was approved for an increase of \$326,061 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 \$139,655 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 basement areas A and C 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. 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 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 \$40,604 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.

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

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. Change Order # 167, BP # 6, 2/4/10, was approved for an increase of \$229,299 to add data and power outlets for 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. 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. 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. 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 provide 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. 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 through 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 approved for an increase of \$74,997 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 smoke dampers. 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.

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

Change Order # 343, BP # 6, 6/25/10, was approved for an increase of \$46,551 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 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. **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 # 442, BP # 6, 8/30/10,** was approved for an increase of \$182,106 to revise the lobby rotunda lighting to include 25 additional Illumivision Light Wave fixtures and remote lighting control system. These lights will be installed in recesses in the rotunda. **Change Order # 451, BP # 6, 9/7/10,** was approved for an increase of \$27,185 to change fabric on the 6th and 7th floor Mechoshades to enhance function and durability of the shades in the inpatient areas. **Change Order # 456, BP # 6, 9/7/10** was approved for an increase of \$80,283 to furnish and install all required elements to create a new lobby water feature to include the water feature, supporting electrical and pumping systems, control systems. **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 # 471, BP # 6, 9/15/10,** was approved for an increase of \$68,306 to furnish and provide materials necessary to protect lobby stone floor during the **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 and 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 into the n Hellpad 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, 10/1/10,** 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.

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

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. **Change Order # 619 , BP # 6 , 1/24/11**, was approved for an increase of \$83,092 to furnish and install temporary floor protection over all the thin set tile on the first level of the lobby to prevent scratches and damage from equipment and tools. **Change Order # 621 , BP # 6 , 1/3/11**, was approved for an increase of \$63,378 to re-circuit the outlets serving the physiological monitors in 128 of the patient rooms on 6th and 7th floors from normal to critical power. **Change Order # 643 , BP # 6 , 1/10/11**, was approved for a decrease of \$32,258 to delete various signs from the signage schedule due to review of final site conditions and traffic patterns. **Change Order # 644 , BP # 6 , 1/10/11**, was approved for an increase of \$41,411 to revise the final signage package per drawings for ground floor areas A and B (Emergency Department). **Change Order # 650 , BP # 6 , 1/13/11**, was approved for an increase of \$50,318 to provide labor and material to construct support offices to the Ground and First Level Information Desks of the main floor lobby. **Change Order # 658 , BP # 6 , 1/26/11**, was approved for an increase of \$88,797 to furnish and install materials necessary to protect lobby stone during the construction process. **Change Order # 664 , BP # 6 , 1/27/11**, was approved for an increase of \$25,469 to revise elevator controls to add Cat 6 UTP cable and jack in specific elevator machine rooms to support TUG electronics. **Change Order # 671 , BP # 6 , 1/31/11**, was approved for an increase of \$25,508 to furnish the labor and install 1" shaft liner overlapping the vertical tube steel columns in elevator shafts for groups 1-5 per the state building inspector's request. **Change Order # 673 , BP # 6 , 2/2/11**, was approved for a decrease of \$107,640 to provide a credit for the quantity of miscellaneous metals and associated labor no longer required to mount the University purchased patient lift rails. **Change Order # 675 BP # 6 , 2/2/11**, was approved for an increase of \$25,192 to raise three exhaust fans and provide exterior grade inlet duct extension, outside air bypass duct and balance damper for fans. **Change Order # 682 , BP # 6 , 2/17/11**, was approved for an increase of \$30,888 to provide the necessary wall protection in the west connector corridor due to high use. **Change Order # 689 , BP # 6 , 2/21/11**, was approved for an increase of \$44,499 to provide temporary heat for Lobby 1 and 2 finishes. **Change Order # 692 , BP # 6 , 2/24/11**, was approved for an increase of \$230,43 to create an allowance funded from the Construction Manager's contingency to fund overtime for specific work on a case by case basis. **Change Order # 703 , BP # 6 , 3/1/11**, was approved for an increase of \$32,704 to provide the labor and material to install twenty five flow and tamper switches. **Change Order # 705 , BP # 6 , 3/2/11**, was approved for an increase of \$98,771 to perform demolition for the Second Level surgery break room and adjacent areas in the CCC. **Change Order # 709 , BP # 6 , 3/7/11**, was approved for an increase of \$29,956 to provide and install the wood seats in masonry walls as shown on the landscape drawings. **Change Order # 711 , BP # 6 , 3/9/11**, was approved for an increase of \$462,671 to provide the labor and material to upgrade the door hardware and electronic security hardware for 119 openings throughout the PCF that have not been previously addressed. Work includes addition of smoke detectors, additional fire alarm devices, electronic door hardware, access control wiring, card readers, door position switches, door control panels, intercom locations and supporting infrastructure and equipment required to support the additional elements. **Change Order # 722 , BP # 6 , 3/18/11**, was approved for an increase of \$82,324 to provide control wiring and start-up to electrified door hardware for 48 doors. Includes power supplies, magnetic hold opens, latch bolt assemblies and associated wiring and programming. **Change Order # 751 BP # 6 , 4/28/11** was approved for an increase of \$35,916 to provide rework upgrades of the circuitry to meet the requirements of the lighting in the patient rooms. **Change Order # 760 BP # 6 , 6/8/11** was approved for an increase of \$25,315 to upgrade the circuitry in dietary rooms A06026 and A07026 to support the food service equipment. **Change Order # 763 BP # 6 , 6/9/11** was approved for an increase of \$37,731 to add 12 wireless access points at west connectors to existing structures on the 1st and 2nd levels based on operational patterns. **Change Order # 776 BP # 6 , 6/16/11** was approved for an increase of \$44,563 to provide temporary heating augmentation in Lobbies 1 & 2 from January thru March. **Change Order # 778 BP # 6 , 6/16/11** was approved for an increase of \$37,263 to provide raceways for smoke detectors at all stairwell exit doors in all floors. **Change Order # 810 , BP # 6 , 7/19/11** was approved for a decrease of \$86,636 to provide a credit for unnecessary expenses that were incurred as a result of the failure to complete a preliminary short circuit coordination study before the installation of the feeder circuits to the 112.5 KVA dry type transformers. **Change Order # 821 , BP # 6 , 8/2/11** was approved for an increase of \$120,151 to fund the cost for additional storm piping requirements for areas in 3rd and 4th floor mechanical rooms. **Change Order # 862 , BP # 6 , 8/12/11** was approved for an increase of \$28,168 to provide for modifications that will allow the construction elevator to operate independently from the service elevators, creating less disruption in hospital operations during future construction. **Change Order # 866 , BP # 6 , 8/24/11** was approved for a decrease of \$35,000 to provide a credit for standard metal frames in lieu of specified galvanized metal frames on the patient bathroom doors on all floors. **Change Order # 876 , BP # 6 , 8/24/11** was approved for an increase of \$65,927 to furnish the labor and material to add 1800 sf of the metal panel ceiling/soffit on the east and west ends near the west connector area adjacent to the existing pedway. **Change Order # 886 , BP # 6 , 9/6/11** was approved for an increase of \$57,849 to provide modifications required to allow the building chilled water system to operate within the campus chilled water system parameters.

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: 48

Cumulative Change Order Amount:

\$786,756

Low Bid: \$9,474,000

Revised Contract Amount:

\$10,260,756

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 deaerator 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 - Data Center

Project Number: 2239.71

Scope: \$6,799,109

Project Description:

This project will fit-up approximately 2,000 square feet for a new computer machine room on the fourth floor of the new Patient Care Facility for a new hospital data center with redundant air conditioning, electrical and communication support systems.

Consultant: GBBN Architects
See project 2239.0

Contract #

Total Amendments to Date:

Describe all amendments :

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 # 4500047768

Total Change Orders to Date:

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:

Cumulative Amendment Amount:

Revised Contract Amount:

Original Contract Amount:

\$5,638,154

Cumulative Change Order Amount:

Revised Contract Amount:

\$5,638,154

Contract Percent Complete:

8%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Patient Care Facility (Pavillon 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 preoperative / 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

Original Contract Amount:

\$937,498

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$349,722

Describe all amendments :

Revised Contract Amount:

\$1,287,220

Amendment 9, 1/25/11, an increase of \$349,722 was approved to provide redesign of the surgical areas and central sterile supply to include the production of Construction Documents and add 6,990 square feet for the Post Anesthetic Care Unit (PACU). No amendments this quarter.

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 # 4500041362

Original Contract Amount:

\$15,253,686

Total Change Orders to Date: 102

Cumulative Change Order Amount:

\$485,761

Low Bid:

Revised Contract Amount:

\$15,739,447

High Bid:

Contract Percent Complete:

83%

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. Change Order # 9, 4/5/11 was approved for a decrease of \$82,157 to provide credit for a value engineering option of changing the ceiling tile type from a fiberglass tile to a scrubbable mylar tile. Change Order # 23, 4/21/11 was approved for an increase of \$25,167 to install data cables serving security devices. Change Order # 24, 4/27/11 was approved for an increase of \$61,488 to address MEP conflicts with the final Stryker equipment submittal. Change Order # 30, 5/23/11 was approved for a decrease of \$55,829 to provide a credit for owner to purchase equipment direct from Graybar. Change Order # 35, 5/23/11 was approved for an increase of \$69,824 to add med gas wall outlets in various areas. Change Order # 46, 6/10/11 was approved for an increase of \$38,571 to modify the single sink design to a triple sink design at four workstations. Change Order # 61, 7/12/11 was approved for an increase of \$34,736 to revise underlab plumbing to relocate floor drains and vent lines in the CSS area to accommodate Steris equipment.

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: 4

Describe all amendments :

Original Contract Amount:

\$848,000

Cumulative Amendment Amount:

\$1,849,300

Revised Contract Amount:

\$2,497,300

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. **Amendment 4, 5/10/11,** an increase of \$2,500 was approved to prepare site drawings and technical specifications for the purpose of bidding the final top coat of asphalt construction.

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: 213

Low Bid:

High Bid:

Number of Bids:

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

Original Contract Amount:

\$18,215,268

Cumulative Change Order Amount:

\$1,560,341

Revised Contract Amount:

\$19,775,609

Contract Percent Complete:

100%

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 within the sixty-one buildings involved.

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: 1

Cumulative Change Order Amount:

-\$458,890

Low Bid:

Revised Contract Amount:

\$24,216,699

High Bid:

Contract Percent Complete:

78%

Number of Bids:

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

Change Order # 1, 6/8/11 was approved for a decrease of \$458,890 to create an allowance to be used for abatement.

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, noncompliant research support space and the associated mechanical equipment to meet current regulatory requirements. The project is fully funded from an NIH Grant as part of the ARRA.

Consultant: Omni Architects

Contract # A101140

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. No amendments this quarter.

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: 1%

Renovate Northside Library

Project Number: 2324.00

Scope: \$2,373,000

Project Description:

This project consists of renovating approximately 11,000 GSF of space on a single floor. The building will be renovated into an undergraduate class lab facility for Biology and an outreach instructional facility for the Partnership Institute for Mathematics and Science Education Reform (PIMSER). The improvements will include a community activities room that will double as a classroom for both PIMSER and Biology. The renovation will also incorporate necessary upgrades of the building systems, such as communications, plumbing, HVAC, electrical, fire safety and security.

Consultant: Omni Architects

Contract # A121070

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount: \$155,000

Cumulative Amendment Amount:

Revised Contract Amount: \$155,000

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

Renovate Nursing Building Phase II

Project Number: 2316.00

Scope: \$1,342,500

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.

Consultant: GRW, Inc.

Contract # A11090

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$73,000

Cumulative Amendment Amount:

Revised Contract Amount:

\$73,000

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 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: 1

Describe all amendments :

Amendment 1, 5/10/11, an increase of \$29,600 was approved to provide additional design services as required due to scope increase. No amendments this quarter.

Original Contract Amount:

\$250,000

Cumulative Amendment Amount:

\$29,600

Revised Contract Amount:

\$279,600

Contractor: Jarboe Construction, Inc.

Contract # 4500047132

Total Change Orders to Date: 7

Low Bid: \$1,884,000

High Bid: \$2,242,000

Number of Bids: 11

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

Change Order # 5, 8/24/11 was approved for an increase of \$109,805 to provide an additional 1400 nsf of finished office space on the third floor. The space will be used for the department of Statistics.

Original Contract Amount:

\$1,884,000

Cumulative Change Order Amount:

\$130,250

Revised Contract Amount:

\$2,014,250

Contract Percent Complete:

60%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Schmidt Vocal Arts Center

Project Number: 2326.00

Scope: \$1,500,000

Project Description:

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

Consultant: Sherman Carter Barnhart

Contract # A111120

Original Contract Amount: \$128,540

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$128,540

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

Renovate Shively Sports Center

Project Number: 2330.00

Scope: \$950,000

Project Description:

This project consists of renovating 9,121 square feet of the Shively Sports Center using \$950,000 of private funds from the Athletic Association. The project was approved at the May 3, 2011 Board of Trustees meeting. This renovation will modernize the center's locker, shower, restroom, and lounge facilities for men's and women's track and baseball teams. Also, the project will modernize the existing hallways and lighting systems and enhance the overall functionality of the facility. A request has been made to increase the project scope by 15%, to \$1,092,500 as a result of existing electrical code violations that have to be corrected.

Consultant: Moody Nolan

Contract # A111000X

Original Contract Amount: \$27,350

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$27,350

No amendments this quarter.

Contractor: D.A.G. Construction Co..

Contract # 4500048972

Original Contract Amount: \$752,000

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid: \$752,000

Revised Contract Amount:

\$752,000

High Bid: \$876,775

Contract Percent Complete:

48%

Number of Bids: 5

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Track and Field Facility

Project Number: 2315.00

Scope: \$12,360,839

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.

Consultant: Ross Tarrant Architects

Contract # A111060

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:	\$868,500
Cumulative Amendment Amount:	
Revised Contract Amount:	\$868,500

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

Contract # 4500043874

Total Change Orders to Date: 17

Low Bid:

High Bid:

Number of Bids:

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

Original Contract Amount:	\$9,820,610
Cumulative Change Order Amount:	\$135,523
Revised Contract Amount:	\$9,956,133
Contract Percent Complete:	29%

Change Order # 2, 8/24/11 was approved for an increase of \$30,332 to provide sand based sod in lieu of regular soil based sod to provide better drainage performance. Change Order # 10, 8/24/11 was approved for a decrease of \$45,600 to use interlocking deck in lieu of welded deck and to use galvanized steel in lieu of painted finish on structure. Change Order # 12, 8/25/11 was approved for an increase of \$117,663 to provide and install an eight lane practice track.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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

Project Number: 2286.20

Scope: \$1,285,224

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.

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: Parco Construction Group

Contract # 4500048996

Total Change Orders to Date:

Low Bid: \$996,600

High Bid: \$1,358,000

Number of Bids: 8

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

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

Original Contract Amount:	\$996,600
Cumulative Change Order Amount:	
Revised Contract Amount:	\$996,600
Contract Percent Complete:	2%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair, Upgrade and Improve Civil/Site Infr.(Repair Pedestrian Bridge at Cooper Dr)

Project Number: 2318.00

Scope: \$1,055,700

Project Description:

This project provides for emergency repairs to the pedestrian bridge which crosses Cooper Drive. The bridge has numerous corrosion issues, electrical problems, and settling issues. BFMJ Structural Engineers has been contracted to evaluate the current condition of the bridge and design repairs and upgrades which will extend the service life for the foreseeable future. The bridge supports student pedestrian traffic which crosses Cooper Drive midway between S. Limestone and University Drive. It is integral to connecting the campuses of the college of Agriculture.

Consultant: BFMJ

Contract # A111070

Original Contract Amount: \$76,800

Total Amendments to Date: 1

Cumulative Amendment Amount: \$9,200

Describe all amendments :

Revised Contract Amount: \$86,000

Amendment 1, 6/14/11, an increase of \$9,200 was approved to provide special inspection services as well as to extend construction administration and resident inspector services. No amendments this quarter.

Contractor: Structural Systems Repair Group

Contract # 4500046223

Original Contract Amount: \$714,950

Total Change Orders to Date: 168

Cumulative Change Order Amount: \$61,950

Low Bid: \$714,950

Revised Contract Amount: \$776,900

High Bid: \$1,092,000

Contract Percent Complete: 91%

Number of Bids: 5

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

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

Replace Video Boards at Commonwealth Stadium

Project Number: 2329.00

Scope: \$6,250,000

Project Description:

This project replaces the video boards at Commonwealth Stadium with new LED technology video panels and sound system.

Consultant: BFMJ

Contract # A121030G

Original Contract Amount: \$5,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$5,000

No new amendments this quarter.

Contractor: Daktronics

* Contract awarded by RFP

Contract # 4500047821

Original Contract Amount: \$5,874,900

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$5,874,900

High Bid:

Contract Percent Complete: 98%

Number of Bids:

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)

Project Number: 2309.00

Scope: \$8,050,000

Project Description:

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: 2

Cumulative Amendment Amount: \$10,975

Describe all amendments :

Revised Contract Amount: \$565,228

Amendment 1, 5/11/10, an increase of \$6,239.33 was approved to provide phase 2 geotechnical exploration services as a reimbursable expenditure. Amendment 2, 9/13/11, an increase of \$4,735.50 was approved to provide additional design services for the building foundation as a result of subsurface conditions that varied from the geotechnical report were discovered.

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: \$6,497,970

Total Change Orders to Date: 17

Cumulative Change Order Amount: \$65,290

Low Bid:

Revised Contract Amount: \$6,563,260

High Bid:

Contract Percent Complete: 43%

Number of Bids:

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Reynolds Bldg #1 Renovations and Enhancements

Project Number: 2322.10

Scope: \$526,000

Project Description:

This project will include fire separations on the 1st and 2nd floors, ensuring proper separation at the three fire stairs, renovating 4 restrooms, repairing wood floors on the 2nd floor, installing a new circulation core at the elevator, and interior painting.

Consultant: Pearson & Peters Architects

Contract # A111000AA

Original Contract Amount: \$37,600

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$37,600

No amendments this quarter.

Contractor: Jarboe Construction Co.

Contract # 4500047729

Original Contract Amount: \$456,000

Total Change Orders to Date: 3

Cumulative Change Order Amount:

\$23,375

Low Bid: \$456,000

Revised Contract Amount:

\$479,375

High Bid: \$520,498

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.

Student Housing - Supporting Utility Plant Upgrades

Project Number: 2153.30

Scope: \$1,275,000

Project Description:

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 (Chem-Physics)

Project Number: 2332.00

Project Description:

Scope: \$832,000

This project will renovate approximately 2,100 square feet of Physics wet bench research space in the Chemistry-Physics Building. The renovation will include new casework and fume hoods, upgrade lighting, HVAC, plumbing, communications, fire safety, security and upgrades to all finishes.

Consultant: Omni Architects

Contract # A121080

Original Contract Amount:

\$59,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$59,000

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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

Project Number: 2314.00

Project Description: Scope: \$28,000,000

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	Original Contract Amount:	\$898,640
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$898,640
No amendments this quarter.		

Contractor: Messer Construction Co.

Contract # 4500039714	Original Contract Amount:	\$19,192,726
Total Change Orders to Date: 37	Cumulative Change Order Amount:	\$543,687
Low Bid:	Revised Contract Amount:	\$19,736,413
High Bid:	Contract Percent Complete:	81%

Number of Bids:

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

Change Order # 1, 9/17/10, was approved for an increase of \$25,706.13 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. **Change Order # 30, 8/18/11** was approved for an increase of \$88,193 to install the video/media wall capable of providing full-screen playback from either the Alcorn McBride video player or the Contemporary Research HDTV cable tuner. **Change Order # 33, 9/23/11** was approved for an increase of \$141,546 to provide changes to labs 596 & 576, support rooms 594A, 574B and 574A required to support the particular needs of a new researcher's research.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade Student Center Infrastructure

Project Number: 2325.00

Scope: \$23,000,000

Project Description:

The Upgrade Student Center Infrastructure project will repair, upgrade and improve existing building infrastructure systems that have exceeded their useful life, need to be upgraded to meet current building code requirements, or need to be upgraded to meet current capacities being exceeded with occupant load. Systems include HVAC, plumbing and sanitary, mechanical, electrical and lighting, fire suppression/sprinkling, and communications infrastructures. As these infrastructure needs are upgraded, aesthetic and cosmetic upgrades will be made as a result of and in support of infrastructure upgrades.

Consultant: Omni Architects

Contract # A111130

Original Contract Amount: \$2,028,460

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$2,028,460

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 # 4500047728

Original Contract Amount: \$1,034,780

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$1,034,780

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.

Major Projects

October 1, 2011 – December 31, 2011

**Major Projects
Capital Project Management Division
January 31, 2012**

Ambulatory Electronic Health Record Equipment/System (EHR)

Project Description:

This project will upgrade the existing electronic information infrastructure, to provide a common, secure electronic information infrastructure for sharing health information. In addition it will ensure interoperability among health record systems, which, if not implemented, could create up to a 3% reduction in Medicare reimbursements to the Hospital.

Project Status:

The EHR project is being constructed in Three Phases.

- Phase A is the implementation of three pilot clinics - Internal Medicine group on the third floor of the Kentucky clinic; Digestive Health on the second floor of the Medical Plaza and Pediatric Cardiology on the second floor of the Kentucky Clinic.
- Phase B is the modifications of the communications closets throughout the healthcare campus to support the new record system.
- Phase C is the modification of the various clinics to accommodate the end user units required to operate the system.

Phase A was bid the third week of January and will begin construction. The design of Phase B is well underway and will bid in March with construction taking place between April of 2012 and March of 2013. Phase C will be under design until April of 2012 with a series of bid packages being released over a nine month period to support the Clinic Rollout process. The project is currently on schedule and within budget.

Construct CAER Laboratory Bldg. #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 bio-fuels, electrochemical energy storage, and solar energy.

Project Status:

Exterior site improvements continue. The generator and nitrogen tank slabs were placed and generator is on site ready to be set. The storefront glass and metal panels continue to be installed around the building with majority of all composite panels being in place.

Drywall, finishing and painting continue on both floors and hollow metal frames are being prepped to receive glass. The lab casework has started on the first floor. Overhead MEP continues throughout the project with the main focus being the mechanical room on the 2nd floor.

The focus for the upcoming month will be starting the equipment and prepping for finishes to be completed. Mechanical and plumbing will be hooking up the lab equipment while electric will be finishing all branch circuitry and data. The lab casework will continue on both floors and the ceiling grid will be completed. All other MEP rough-in will be completed and final connections will be made. The storefront will be continue and the metal ceilings at the canopy will be near complete.

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:

The project has been impacted due to unforeseen conditions of existing performance coating at the base of the walls and water retention under the existing sealed rubber mats. Both the performance coatings and flooring are being re-evaluated based on conditions within the facility. Substantial Completion is anticipated by mid-March 2012.

Construct Patient Care Facility (Data Center)

Project Description:

This project will fit-up approximately 2,000 square feet for a new computer machine room on the fourth floor of the new Patient Care Facility for a new hospital data center with redundant air conditioning, electrical and communication support systems.

Project Status:

Four new chillers were installed. All required chilled water piping was installed as scheduled and the required electric piping from level 4 to the Chillers is also complete. All three new ATS's are in place and installation is 85% complete. The chilled water piping installation above the unistrut ceiling support structure in the Data Center is complete. The ceiling support structure is complete and the clean room ceiling will be complete mid next week. Under floor chilled water piping is complete and raised data floor has been installed. Two of the three new pumps are in place. The third pump will be installed in its final position when the last remaining existing pump is removed. The VFD's for the new pumps are scheduled to be fully functional early February.

Construct Patient Care Facility (Pavillion A, OR Suites & 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:

The project is substantially complete. Central Sterile Supply is currently in full use. Other areas are in training and scheduled for February 2012 startup.

Guaranteed Energy Savings Performance Contract

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:

Three remaining ECM's are ongoing. They include Energy Monitoring, Substation Capacitors, and Solar Hot Water Heaters. The entire project, including all ECMs, is to be Substantially Complete by mid-March 2012.

Renovate 4th Floor Sanders-Brown Center on Aging

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 has placed all orders for fixed equipment. The construction manager provided a list of all needed utility outages in preparation of demolition activities. The contractors began demolition on January 9th with the following work to be complete within the next 30 days: complete 4th floor demolition, install loading platform, begin CMU walls at 4th floor, begin overhead MEP rough-in on 4th floor. The current substantial completion date is 10/1/12.

Renovate Northside Libraray

Project Description:

This project consists of renovating approximately 11,000 GSF of space on a single floor. The building will be renovated into an undergraduate class lab facility for Biology and an outreach instructional facility for the Partnership Institute for Mathematics and Science Education Reform (PIMSER). The improvements will include a community activities room that will double as a classroom for both PIMSER and Biology. The renovation will also incorporate necessary upgrades of the building systems, such as communications, plumbing, HVAC, electrical, fire safety and security.

Project Status:

This project was bid on January 18, 2012, with 10 responsive bids received. Marillia Design and Construction submitted a low bid which is currently being evaluated. It is anticipated that a contract will be awarded. Substantial completion is tentatively scheduled for late July, with a final completion date of late August 2012.

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:

All demo complete & stud installation is complete. HVAC, overhead electrical, electrical rough-in in walls and plumbing rough-in are approximately 40% complete. The contractors will begin duct and sprinkler rough-in, installation of door frames, obtain framing inspection, complete plumbing relocation and obtain an inspection.

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:

Project is substantially complete.

Renovate Schmidt Vocal Arts Center

Project Description:

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

Project Status:

The design is on hold pending fundraising efforts.

Renovate Shively Sports Center

Project Description:

This project consists of renovating 9,121 square feet of the Shively Sports Center using \$950,000 of private funds from the Athletic Association. The project was approved at the May 3, 2011 Board of Trustees meeting. This renovation will modernize the center's locker, shower, restroom, and lounge facilities for men's and women's track

and baseball teams. Also, the project will modernize the existing hallways and lighting systems and enhance the overall functionality of the facility. The project is scheduled to be completed December 2011. The project scope was increased to \$1,092,500 as a result of existing electrical code violations that had to be corrected.

Project Status:

This project has been completed and accepted as substantially complete.

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 plan, 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:

Mechanical/Electrical/Plumbing work continues inside the buildings, as well as the start of interior finishes. Site work is becoming very limited due to the condition of the soil from the amount of rainfall experienced through the project. The concrete work on the retaining wall along Cooperstown Drive is near completion. Portions of the permeable paver system is being installed where the grade allows. The practice area drainage system is workable as long as the access road is clear from ground water and the top of the soil is not too saturated.

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:

The metal building package has been delivered and structural steel erection has begun. The outdoor bio-Diesel Storage Area slab is completed. The diamond plate trench covers have been installed. Plumbing and electrical rough-ins were installed throughout the building slab.

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. The project scope was 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.

Project Status:

Exterior work on the building is nearing completion along with exterior sidewalks. The roofing and windows have been installed and exterior composite siding is in progress. The interior stairs and metal studs have been installed and drywall work is in progress. Prime coat painting is in progress on the 2nd and 3rd floors. Mechanical, electrical and plumbing rough-in continues on all floors. An above ceiling inspection has been performed ahead of installation of the hard ceilings on the 2nd and 3rd floors. Temporary heating is being used to condition the building to allow weather sensitive work to proceed.

The project was delayed as a result of excessive precipitation days and concealed foundation conditions. Substantial completion is currently scheduled for March 3, 2012, with final completion scheduled for April 2, 2012.

Upgrade Renovate Improve or Expand Research Labs (Chemistry/Physics)

Project Description:

This project will renovate approximately 2,100 square feet of Physics wet bench research space in the Chemistry-Physics Building. The work consists of renovating several contiguous laboratories on the first floor in the Chemistry-Physics Building as follows: Demolition of existing finishes, partitions, and building systems, and Construction of new partitions, installation of new finishes, building systems, and laboratory items as required to create new research laboratories and their supporting spaces. Installation of new buildings systems in other areas of the Chemistry-Physics Building to support the new research labs as shown on the Contract Documents. New finishes include resilient floor tile, resinous flooring, resilient base, painted gypsum board, and suspended acoustical ceiling system. New building components include metal laboratory casework, epoxy laboratory counters and sinks, and fume hoods.

Project Status:

Bids were received January 24, 2012. A work order to begin construction has been issued. Substantial completion is currently scheduled mid-July, and the project is within budget.

Upgrade Student Center Infrastructure

Project Description:

The Upgrade Student Center Infrastructure project will repair, upgrade and improve existing building infrastructure systems that have exceeded their useful life, need to be upgraded to meet current building code requirements, or need to be upgraded to meet current capacities being exceeded with occupant load. Systems include HVAC, plumbing and sanitary, mechanical, electrical and lighting, fire suppression/sprinkling, and communications infrastructures. As these infrastructure needs are upgraded, aesthetic and cosmetic upgrades will be made as a result of and in support of infrastructure upgrades.

Project Status:

All design work has stopped pending re-evaluation of project Scope and Budget.

Construct UK/Nicholasville Road Flood Mitigation

Project Description:

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

Project Status:

An RFP has been issued for design services. Design is anticipated to begin in mid-February.

Expand/Renovate Ambulatory Care: Orofacial Pain Clinic

Project Description:

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

Project Status:

An RFP has been issued for design services.

Renovate Parking Structure # 3 – UKHC

Project Description:

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

Project Status:

The University selected the team of Brown+Kubican/Omni Architects as the design consultants. A review meeting of the Design Documents is scheduled for 1/27/12. Construction documents are scheduled to be delivered on March 2, with a review meeting on 3/9/12.

Renovate/Upgrade Softball Complex

Project Description:

This project consists of spectator seating and amenities, including replacement of the existing portable seating sections for softball, with new treads and risers from end to end of the dugouts. The project will provide approximately 400-600 new fixed chair back seats as well as a combination of 600-800 bleachers, with and without bench backs, for a total permanent seating capacity of around 1200. New elevated terraces overlooking the field at the back of the new grandstands and new press facilities will be constructed. Also included is construction of a new indoor practice facility for softball that is approximately 100' x 100' in area, playing field improvements, new or upgraded field and site lighting, an entry plaza to the complex and a new ticket facility. This project also provides renovation of the existing facilities, including the Team Building into primarily the locker, lounge and equipment facilities for Softball. The new press box may have the ability to service soccer field as well as softball field, and other amenities as deemed feasible.

Project Status:

An RFP has been issued for design services. Design is anticipated to begin in mid-February.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Ambulatory Electronic Health Record Equipment/System (EHR) Project -

Project Number: 2335.00

Scope: \$6,058,226

Project Description:

This project will upgrade the existing electronic information infrastructure, to provide a common, secure electronic information infrastructure for sharing health information. In addition it will ensure interoperability among health record systems, which, if not implemented, could create up to a 3% reduction in Medicare reimbursements to the Hospital.

Consultant: CMTA

Contract # A121090

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$123,465

Cumulative Amendment Amount:

Revised Contract Amount:

\$123,465

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

Construct CAER Lab Bldg. #2

Project Number: 2312.01

Scope: \$20,984,305

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: 062

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount:	\$15,405,394
Cumulative Change Order Amount:	\$467,835
Revised Contract Amount:	\$15,873,229
Contract Percent Complete:	83%

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

Change Order # 3, 1/21/11, was approved for an increase of \$146,400 to shift the underslab plumbing work from Bid Pack # 3 to Bid Pack # 1 facilitating the first floor slab being poured and completed earlier in the construction schedule resulting in cost savings. Change Order # 22, 9/15/11 was approved for an increase of \$66,965 to provide an equipment change allowing for a fan that will operate more efficiently at a lower usage. Change Order # 23, 9/15/11 was approved for an increase of \$50,307 to provide modification of the heat pump and ductwork layout to provide energy enhancement to the initial design. Change Order # 24, 9/15/11 was approved for an increase of \$60,218 to add in redundant pumps to provide greater system reliability in case of failure. Change Order # 26, 9/15/11 was approved for an increase of \$85,825 to add back the battery testing bunker bid package that was removed from Bid Pack # 3. Change Order # 37, 11/16/11, was approved for a decrease of \$191,492 to provide for value engineering changes after project bids were received. Change Order # 49, 11/1/11, was approved for an increase of \$52,188 to revise the primary power to support the power requirements for the project. This change is necessary due to found conditions and incorrect information in record documents of the utilities currently installed. Change Order # 50, 11/1/11, was approved for an increase of \$26,410 to provide oversized curb needed to close the roof opening for the strobe fan installation.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Equine Campus - Stallion Research Facility

Project Number: 2305.20

Scope: \$732,366

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.

Consultant: LCM Company

Contract # A111000NN

Original Contract Amount:

\$49,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$49,000

No amendments this quarter.

Contractor: HH General Contractor, Inc.

Contract # 4500047130

Original Contract Amount:

\$576,311

Total Change Orders to Date: 3

Cumulative Change Order Amount:

\$24,853

Low Bid: \$576,311

Revised Contract Amount:

\$601,164

High Bid: \$830,000

Contract Percent Complete:

100%

Number of Bids: 7

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Patient Care Facility

Project Number: 2239.0

Scope: \$531,026,597

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:	\$29,482,728
Total Amendments to Date:	11	Cumulative Amendment Amount:	\$7,460,160
Describe all Amendments:		Revised Contract Amount:	\$36,922,888

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 an 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 \$72,161 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. **Amendment 9, 1/25/11,** an increase of \$409,072 was approved to provide design and CA services for the PCF Data Center fit-up. **Amendment 10, 5/10/11,** an increase of \$611,368 was approved to extend CA services. **Amendment 11, 11/8/11,** an increase of \$395,464 was approved to provide additional utility investigation, design services, inspections and to extend the construction administration services for the PCF Project. Also includes an increase of \$71,722 for additional design services to include above ceiling access platforms and hatches and commissioning for the OR Suites project.

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:	1314	Original Contract Amount:	\$319,756,574
Low Bid:		Cumulative Change Order Amount:	\$24,929,134
High Bid:		Revised Contract Amount:	\$344,685,708
Number of Bids:		Contract % complete:	99%

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 \$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 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. 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 fractures found 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 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 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. **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**, 11/28/08, 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 quarter.**

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.

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

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. 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. 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, 8/1/09, 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 allow for installation of bridge pier. Change Order # 83 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 \$43,766 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 connection. 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 # 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, 8/24/10, 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, 6/26/10, 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

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

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. Change Order # 214, BP # 5, 1/10/11, was approved for an increase of \$25,893 to fire wrap the exhaust ducts on the 14th level corridor. Change Order # 221, BP # 5, 2/2/11, was approved for an increase of \$51,570 to install a status annunciator panel for the transfer switches on the fourth floor. Change Order # 227, BP # 5, 3/24/11, was approved for an increase of \$32,087 to install an additional set of CT's on the load side of the stand alone fire pump circuit breakers on the fourth floor. No change orders greater than \$25,000 this quarter.

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 Densamor 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 \$50,820 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 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. 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 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.

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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. **Change Order # 167, BP # 6, 2/4/10**, was approved for an increase of \$229,299 to add data and power outlets for 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. **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. **Change Order # 181, BP # 6, 2/23/10**, was approved for an increase of \$40,667 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. **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 provide temporary doors and hardware for electrical rooms 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. **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 through 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 approved for 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 # 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 smoke dampers. **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.

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

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 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.

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 # 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 # 442, BP # 6, 8/30/10,** was approved for an increase of \$182,106 to revise the lobby rotunda lighting to include 25 additional Illumivision Light Wave fixtures and remote lighting control system. These lights will be installed in recesses in the rotunda.

Change Order # 451, BP # 6, 9/7/10, was approved for an increase of \$27,185 to change fabric on the 6th and 7th floor Mechoshades to enhance function and durability of the shades in the inpatient areas. **Change Order # 456, BP # 6, 9/7/10** was approved for an increase of \$80,283 to furnish and install all required elements to create a new lobby water feature to include the water feature, supporting electrical and pumping systems, control systems. **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 & install additional trapeze hangers for life safety & 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-for 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 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 into the 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 # 51 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 # 54 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 \$135,287 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.

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

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. Change Order # 619, BP # 6, 1/24/11, was approved for an increase of \$83,092 to furnish and install temporary floor protection over all the thin set tile on the first level of the lobby to prevent scratches and damage from equipment and tools. Change Order # 621, BP # 6, 1/3/11, was approved for an increase of \$63,378 to recircuit the outlets serving the physiological monitors in 128 of the patient rooms on 6th and 7th floors from normal to critical power. Change Order # 643, BP # 6, 1/10/11, was approved for a decrease of \$32,258 to delete valous signs from the signage schedule due to review of final site conditions and traffic patterns. Change Order # 644, BP # 6, 1/10/11, was approved for an increase of \$41,411 to revise the final signage package per drawing for ground floor areas A and B (Emergency Department). Change Order # 650, BP # 6, 1/13/11, was approved for an increase of \$50,318 to provide labor and material to construct support offices to the Ground and First Level Information Desks of the main floor lobby. Change Order # 658, BP # 6, 1/26/11, was approved for an increase of \$88,797 to furnish and install materials necessary to protect lobby stone during the construction process. Change Order # 664, BP # 6, 1/27/11, was approved for an increase of \$25,469 to revise elevator controls to add Cat 6 UTP cable and jack in specific elevator machine rooms to support TUG electronics. Change Order # 671, BP # 6, 1/31/11, was approved for an increase of \$25,508 to furnish the labor and install 1" shaft liner overlapping the vertical tube steel columns in elevator shafts for groups 1-5 per state building inspector's request. Change Order # 673, BP # 6, 2/2/11, was approved for a decrease of \$107,640 to provide a credit for the quantity of miscellaneous metals and associated labor no longer required to mount the University purchased patient lift rails. Change Order # 673, BP # 6, 2/2/11, was approved for an increase of \$25,192 to raise three exhaust fans and provide exterior grade inlet duct extension, outside air bypass duct and balance damper for fans. Change Order # 682, BP # 6, 2/17/11, was approved for an increase of \$30,886 to provide the necessary wall protection in the west connector corridor due to high use. Change Order # 689, BP # 6, 2/21/11, was approved for an increase of \$44,499 to provide temporary heat for Lobby 1 and 2 finishes. Change Order # 692, BP # 6, 2/24/11, was approved for an increase of \$230, to create an allowance funded from the Construction Manager's contingency to fund overtime for specific work on a case by case basis. Change Order # 703, BP # 6, 3/1/11, was approved for an increase of \$32,704 to provide the labor and material to install twenty five flow and tamper switches. Change Order # 705, BP # 6, 3/2/11, was approved for an increase of \$98,771 to perform demolition for the Second Level surgery break room and adjacent areas in the CCC. Change Order # 709, BP # 6, 3/7/11, was approved for an increase of \$29,956 to provide and install the wood seats in masonry walls as shown on the landscape drawings. Change Order # 711, BP # 6, 3/9/11, was approved for an increase of \$462,671 to provide the labor and material to upgrade the door hardware and electronic security hardware for 119 openings through the PCF that have not been previously addressed. Work includes addition of smoke detectors, additional fire alarm devices, electronic door hardware, access control wiring, card readers, door position switches, door control panels, intercom locations and supporting infrastructure and equipment required to support the additional elements. Change Order # 722, BP # 6, 3/18/11, was approved for an increase of \$82,324 to provide control wiring and start-up to electrified door hardware for 48 doors. Includes power supplies, magnetic hold opens, latch bolt assemblies and associated wiring and programming. Change Order # 751, BP # 6, 4/28/11 was approved for an increase of \$35,916 to provide rework upgrades of the circuitry to meet the requirements of the lighting in the patient rooms. Change Order # 760, BP # 6, 6/8/11 was approved for an increase of \$25,315 to upgrade the circuitry in dietary rooms A06026 and A07026 to support the food service equipment. Change Order # 763, BP # 6, 5/9/11 was approved for an increase of \$37,731 to add 12 wireless access points at west connectors to existing structures on the 1st and 2nd levels based on operational patterns. Change Order # 776, BP # 6, 6/16/11 was approved for an increase of \$44,563 to provide temporary heating augmentation in Lobbies 1 & 2 from January thru March. Change Order # 778, BP # 6, 6/16/11 was approved for an increase of \$37,263 to provide raceways for smoke detectors at all stairwell exit doors in all floors. Change Order # 810, BP # 6, 7/19/11 was approved for a decrease of \$86,636 to provide a credit for unnecessary expenses that were incurred as a result of the failure to complete a preliminary short circuit coordination study before the installation of the feeder circuits to the 112.5 KVA dry type transformers. Change Order # 821, BP # 6, 8/2/11 was approved for an increase of \$120,151 to fund the cost for additional storm piping requirements for areas in 3rd and 4th floor mechanical rooms. Change Order # 862, BP # 6, 8/12/11 was approved for an increase of \$28,168 to provide for modifications that will allow the construction elevator to operate independently from the service elevators, creating less disruption in hospital operations during future construction. Change Order # 866, BP # 6, 8/24/11 was approved for a decrease of \$35,000 to provide a credit for standard metal frames in lieu of specified galvanized metal frames on the patient bathroom doors on all floors. Change Order # 876, BP # 6, 8/24/11 was approved for an increase of \$65,927 to furnish the labor and material to add 1800 sf of the metal panel ceiling/soffit on the east and west ends near the west connector area adjacent to the existing pedway. Change Order # 886, BP # 6, 9/6/11 was approved for an increase of \$57,849 to provide modifications required to allow the building chilled water system to operate within the campus chilled water system parameters. **No change orders greater than \$25,000 this quarter.**

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: 48

Cumulative Change Order Amount:

\$786,756

Low Bid: \$9,474,000

Revised Contract Amount:

\$10,260,756

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 deaerator 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 - Data Center

Project Number: 2239.71

Scope: \$6,799,109

Project Description:

This project will fit-up approximately 2,000 square feet for a new computer machine room on the fourth floor of the new Patient Care Facility for a new hospital data center with redundant air conditioning, electrical and communication support systems.

Consultant: GBBN Architects
See project 2239.0

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

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 # 4500047768

Original Contract Amount:

\$5,708,213

Total Change Orders to Date: 2

Cumulative Change Order Amount:

\$8,979

Low Bid:

Revised Contract Amount:

\$5,717,192

High Bid:

Contract Percent Complete:

55%

Number of Bids:

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Patient Care Facility (Pavillon 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 preoperative / 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

Original Contract Amount: \$937,498

Total Amendments to Date: 1

Cumulative Amendment Amount: \$349,722

Describe all amendments :

Revised Contract Amount: \$1,287,220

Amendment 9, 1/25/11, an increase of \$349,722 was approved to provide redesign of the surgical areas and central sterile supply to include the production of Construction Documents and add 6,990 square feet for the Post Anesthetic Care Unit (PACU). **No amendments this quarter.**

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 # 4500041362

Original Contract Amount: \$15,253,686

Total Change Orders to Date: 153

Cumulative Change Order Amount: \$677,166

Low Bid:

Revised Contract Amount: \$15,930,852

High Bid:

Contract Percent Complete: 99%

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. **Change Order # 9, 4/5/11** was approved for a decrease of \$82,157 to provide credit for a value engineering option of changing the ceiling tile type from a fiberglass tile to a scrubbable mylar tile. **Change Order # 23, 4/21/11** was approved for an increase of \$25,167 to install data cables serving security devices. **Change Order # 24, 4/27/11** was approved for an increase of \$61,488 to address MEP conflicts with the final Stryker equipment submittal. **Change Order # 30, 5/23/11** was approved for a decrease of \$55,829 to provide a credit for owner to purchase equipment direct from Graybar. **Change Order # 35, 5/23/11** was approved for an increase of \$69,824 to add med gas wall outlets in various areas. **Change Order # 46, 6/10/11** was approved for an increase of \$38,571 to modify the single sink design to a triple sink design at four workstations. **Change Order # 61, 7/12/11** was approved for an increase of \$34,736 to revise underslab plumbing to relocate floor drains and vent lines in the CSS area to accommodate Steris equipment. **Change Order # 110, 10/5/11**, was approved for an increase of \$37,610 to furnish and install 12 automatic door operators. **Change Order # 122, 11/1/11**, was approved for an increase of \$27,016 to provide stainless steel enclosures at 5 washers, 1 backflow valve and a bank of electrical disconnects to conceal exposed conduit and plumbing piping in the CSS and Decontam areas.

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 within the sixty-one buildings involved.

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: 1

Cumulative Change Order Amount:

-\$458,890

Low Bid:

Revised Contract Amount:

\$24,216,699

High Bid:

Contract Percent Complete:

94%

Number of Bids:

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

**Change Order # 1, 6/8/11 was approved for a decrease of \$458,890 to create an allowance to be used for abatement.
No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate 4th Floor Sanders-Brown Center on Aging

Project Number: 2313.01

Project Description:

Scope: \$6,428,471

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

Consultant: Omni Architects

Contract # A101140

Original Contract Amount: \$562,119

Total Amendments to Date: 1

Cumulative Amendment Amount: \$28,000

Describe all amendments :

Revised Contract Amount: \$590,119

Amendment 1, 12/14/10, an increase of \$28,000 was approved for additional design and construction administration services associated with LEED certification. No amendments this quarter.

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

Contract # 4500040166

Original Contract Amount: \$382,695

Total Change Orders to Date: 1

Cumulative Change Order Amount: \$3,104

Low Bid:

Revised Contract Amount: \$385,799

High Bid:

Contract Percent Complete: 3%

Number of Bids:

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

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

Renovate Northside Library

Project Number: 2324.00

Project Description:

Scope: \$2,373,000

This project consists of renovating approximately 11,000 GSF of space on a single floor. The building will be renovated into an undergraduate class lab facility for Biology and an outreach instructional facility for the Partnership Institute for Mathematics and Science Education Reform (PIMSER). The improvements will include a community activities room that will double as a classroom for both PIMSER and Biology. The renovation will also incorporate necessary upgrades of the building systems, such as communications, plumbing, HVAC, electrical, fire safety and security.

Consultant: Omni Architects

Contract # A121070

Original Contract Amount: \$155,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$155,000

No amendments this quarter.

Contractor: No Construction Contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Nursing Building Phase II

Project Number: 2316.00

Scope: \$1,342,500

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.

Consultant: GRW, Inc.

Contract # A11090

Original Contract Amount:

\$73,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$73,000

No amendments this quarter.

Contractor: Churchill McGee, LLC.

Contract # 7500000658

Original Contract Amount:

\$628,199

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid: \$628,199

Revised Contract Amount:

\$628,199

High Bid: \$706,265

Contract Percent Complete:

7%

Number of Bids: 12

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

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

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: 1

Describe all amendments :

Amendment 1, 5/10/11, an increase of \$29,600 was approved to provide additional design services as required due to scope increase. **No amendments this quarter.**

Original Contract Amount: \$250,000

Cumulative Amendment Amount: \$29,600

Revised Contract Amount: \$279,600

Contractor: Jarboe Construction, Inc.

Contract # 4500047132

Total Change Orders to Date: 16

Low Bid: \$1,884,000

High Bid: \$2,242,000

Number of Bids: 11

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

Change Order # 5, 8/24/11 was approved for an increase of \$109,805 to provide an additional 1400 nsf of finished office space on the third floor. The space will be used for the department of Statistics. **No change orders greater than \$25,000 this quarter.**

Original Contract Amount: \$1,884,000

Cumulative Change Order Amount: \$155,003

Revised Contract Amount: \$2,039,003

Contract Percent Complete: 99%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Schmidt Vocal Arts Center

Project Number: 2326.00

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

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

Consultant: Sherman Carter Barnhart

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

Contractor: No construction contract awarded to date.

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

Renovate Shively Sports Center

Project Number: 2330.00

Project Description: Scope: \$1,092,500

This project consists of renovating 9,121 square feet of the Shively Sports Center using \$950,000 of private funds from the Athletic Association. The project was approved at the May 3, 2011 Board of Trustees meeting. This renovation will modernize the center's locker, shower, restroom, and lounge facilities for men's and women's track and baseball teams. Also, the project will modernize the existing hallways and lighting systems and enhance the overall functionality of the facility. A request has been made to increase the project scope by 15%, to \$1,092,500 as a result of existing electrical code violations that have to be corrected.

Consultant: Moody Nolan

Contract # A111000X	Original Contract Amount:	\$27,350
Total Amendments to Date:	Cumulative Amendment Amount:	
Describe all amendments :	Revised Contract Amount:	\$27,350
No amendments this quarter.		

Contractor: D.A.G. Construction Co..

Contract # 4500048972	Original Contract Amount:	\$752,000
Total Change Orders to Date: 18	Cumulative Change Order Amount:	\$62,690
Low Bid: \$752,000	Revised Contract Amount:	\$814,690
High Bid: \$876,775	Contract Percent Complete:	100%
Number of Bids: 5		
Describe all change orders greater than \$25,000.00:		

Change Order # 17, 1/9/12, was approved for an increase of \$32,342 to correct the above ceiling electrical code deficiencies in all areas that were unknown at the time of bidding.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Track and Field Facility

Project Number: 2315.00

Scope: \$12,360,839

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.

Consultant: Ross Tarrant Architects

Contract # A111060

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$868,500

Cumulative Amendment Amount:

Revised Contract Amount:

\$868,500

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

Contract #: 4500043874

Total Change Orders to Date: 30

Low Bid:

High Bid:

Number of Bids:

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

Original Contract Amount:

\$9,820,610

Cumulative Change Order Amount:

\$239,823

Revised Contract Amount:

\$10,060,433

Contract Percent Complete:

60%

Change Order # 2, 8/24/11 was approved for an increase of \$30,332 to provide sand based sod in lieu of regular soil based sod to provide better drainage performance. Change Order # 10, 8/24/11 was approved for a decrease of \$45,600 to use interlocking deck in lieu of welded deck and to use galvanized steel in lieu of painted finish on structure. Change Order # 12, 8/25/11 was approved for an increase of \$117,663 to provide and install an eight lane practice track. Change Order # 20, 10/13/11, was approved for an increase of \$35,975 to increase the Kentucky American Water Co. allowance needed to relocate a section of waterline along Cooperstown Drive. Change Order # 21, 11/3/11, was approved for an increase of \$25,275 to install subdrainage piping for the permeable pavers for the drive along the north side of the track.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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

Project Number: 2286.20

Scope: \$1,285,224

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.

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: Parco Construction Group

Contract # 4500048996

Total Change Orders to Date:

Low Bid: \$996,600

High Bid: \$1,358,000

Number of Bids: 8

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

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

Original Contract Amount:	\$996,600
Cumulative Change Order Amount:	
Revised Contract Amount:	\$996,600
Contract Percent Complete:	16%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair, Upgrade and Improve Civil/Site Infr.(Repair Pedestrian Bridge at Cooper Dr)

Project Number: 2318.00

Project Description:

Scope: \$1,055,700

This project provides for emergency repairs to the pedestrian bridge which crosses Cooper Drive. The bridge has numerous corrosion issues, electrical problems, and settling issues. BFMJ Structural Engineers has been contracted to evaluate the current condition of the bridge and design repairs and upgrades which will extend the service life for the foreseeable future. The bridge supports student pedestrian traffic which crosses Cooper Drive midway between S. Limestone and University Drive. It is integral to connecting the campuses of the college of Agriculture.

Consultant: BFMJ

Contract # A111070

Original Contract Amount: \$76,800

Total Amendments to Date: 1

Cumulative Amendment Amount: \$9,200

Describe all amendments :

Revised Contract Amount: \$86,000

Amendment 1, 6/14/11, an increase of \$9,200 was approved to provide special inspection services as well as to extend construction administration and resident inspector services. No amendments this quarter.

Contractor: Structural Systems Repair Group

Contract # 4500046223

Original Contract Amount: \$714,950

Total Change Orders to Date: 20

Cumulative Change Order Amount: \$72,183

Low Bid: \$714,950

Revised Contract Amount: \$787,133

High Bid: \$1,092,000

Contract Percent Complete: 100%

Number of Bids: 5

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

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

Replace Video Boards at Commonwealth Stadium

Project Number: 2329.00

Project Description:

Scope: \$6,250,000

This project replaces the video boards at Commonwealth Stadium with new LED technology video panels and sound system.

Consultant: BFMJ

Contract # A121030G

Original Contract Amount: \$5,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$5,000

No new amendments this quarter.

Contractor: Daktronics

* Contract awarded by RFP

Contract # 4500047821

Original Contract Amount: \$5,998,280

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$5,998,280

High Bid:

Contract Percent Complete: 100%

Number of Bids:

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)

Project Number: 2309.00

Scope: \$8,050,000

Project Description:

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: 2

Cumulative Amendment Amount: \$10,975

Describe all amendments :

Revised Contract Amount: \$565,228

Amendment 1, 5/11/10, an increase of \$6,239.33 was approved to provide phase 2 geotechnical exploration services as a reimbursable expenditure. **Amendment 2**, 9/13/11, an increase of \$4,735.50 was approved to provide additional design services for the building foundation as a result of subsurface conditions that varied from the geotechnical report were discovered. **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: \$6,497,970

Total Change Orders to Date: 27

Cumulative Change Order Amount: \$120,778

Low Bid:

Revised Contract Amount: \$6,618,747

High Bid:

Contract Percent Complete: 71%

Number of Bids:

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

Change Order # 26, 11/28/11, was approved for an increase of \$78,417 to accept add alternate # 1 to provide construction of an exterior patio. **Change Order # 27**, 12/22/11, was approved for a decrease of \$35,000 due to a reduction of scope in the graphics package.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Student Housing - Supporting Utility Plant Upgrades

Project Number: 2153.30

Scope: \$1,275,000

Project Description:

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

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$26,315

Cumulative Amendment Amount:

Revised Contract Amount:

\$26,315

Contractor: English Boiler & Tube Inc.

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

Contract # 4500008298

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

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

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

Original Contract Amount:

\$1,147,748

Cumulative Change Order Amount:

Revised Contract Amount:

\$1,147,748

Contract Percent Complete:

99%

Upgrade, Renovate, Improve or Expand Research Labs (Chem-Physics)

Project Number: 2332.00

Scope: \$832,000

Project Description:

This project will renovate approximately 2,100 square feet of Physics wet bench research space in the Chemistry-Physics Building. The work consists of renovating several contiguous laboratories on the first floor in the Chemistry-Physics Building as follows: Demolition of existing finishes, partitions, and building systems, and Construction of new partitions, installation of new finishes, building systems, and laboratory items as required to create new research laboratories and their supporting spaces. Installation of new buildings systems in other areas of the Chemistry-Physics Building to support the new research labs as shown on the Contract Documents. New finishes include resilient floor tile, resinous flooring, resilient base, painted gypsum board, and suspended acoustical ceiling system. New building components include metal laboratory casework, epoxy laboratory counters and sinks, and fume hoods.

Consultant: Omni Architects

Contract # A121080

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$59,000

Cumulative Amendment Amount:

Revised Contract Amount:

\$59,000

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

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

Project Number: 2314.00

Project Description:

Scope: \$28,000,000

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	Original Contract Amount:	\$898,640
Total Amendments to Date: 1	Cumulative Amendment Amount:	\$17,800
Describe all amendments :	Revised Contract Amount:	\$916,440

Amendment 1, 12/16/11, an increase of \$17,800 was approved for additional design services as required to incorporate additional emergency power feeds to support the implementation of the NMR within the basement of the new building.

Contractor: Messer Construction Co.

Contract # 4500039714	Original Contract Amount:	\$19,192,726
Total Change Orders to Date: 58	Cumulative Change Order Amount:	\$714,669
Low Bid:	Revised Contract Amount:	\$19,907,395
High Bid:	Contract Percent Complete:	99%

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. Change Order # 30, 8/18/11 was approved for an increase of \$88,193 to install the video/media wall capable of providing full-screen playback from either the Alcorn McBride video player or the Contemporary Research HDTV cable tuner. Change Order # 33, 9/23/11 was approved for an increase of \$141,546 to provide changes to labs 596 & 576, support rooms 594A, 574B and 574A required to support the particular needs of a new researcher's research. Change Order # 38, 10/5/11, was approved for an increase of \$69,999 to provide all site work at the west elevation and previously not installed landscape due to 4th and 5th floor staging area. Change Order # 42, 10/6/11, was approved for an increase of \$26,075 to add HVAC ductwork to stair N. Change Order #44, 11/3/11, was approved for an increase of \$29,604 to provide plantings and landscaping in front of KMSF where new steam piping is installed.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade Student Center Infrastructure

Project Number: 2325.00

Scope: \$23,000,000

Project Description:

The Upgrade Student Center Infrastructure project will repair, upgrade and improve existing building infrastructure systems that have exceeded their useful life, need to be upgraded to meet current building code requirements, or need to be upgraded to meet current capacities being exceeded with occupant load. Systems include HVAC, plumbing and sanitary, mechanical, electrical and lighting, fire suppression/sprinkling, and communications infrastructures. As these infrastructure needs are upgraded, aesthetic and cosmetic upgrades will be made as a result of and in support of infrastructure upgrades.

Consultant: Omni Architects

Contract # A111130

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$2,028,460

Cumulative Amendment Amount:

Revised Contract Amount:

\$2,028,460

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 # 4500047728

Total Change Orders to Date:

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:

\$1,034,780

Cumulative Change Order Amount:

Revised Contract Amount:

\$1,034,780

Contract Percent Complete: