

# FCR 18

Office of the President  
September 15, 2009

Members, Board of Trustees:

## CAPITAL CONSTRUCTION REPORT

Recommendation: that the capital construction report for the three months ending June 30, 2009 be accepted. This report refers only to projects that had activity within this quarter.

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

***For the period April 1, 2009 thru June 30, 2009:***

***There were six new contracts this quarter:***

Project 2248.1	Replace Steam and Condensate Pipe - Farm Road Lagco Inc., \$899,900 ( <i>Construction</i> )
Project 2286.1	Renovate/Expand the Center for Applied Energy Research Denham Blythe Co., \$1,156,991 ( <i>Construction</i> )
Project 2295.0	Renovate Koinonia House (aka Schmidt Vocal Art Center) Churchill-McGee, LLC, \$887,300 ( <i>Construction</i> )
Project 2297.1	Digital Village Building 2 Congleton-Hacker Co., \$984,400 ( <i>Construction</i> )
Project 2303.0	Construct Children's Garden at the Arboretum M2D Design Group, \$35,068 ( <i>Design</i> )
Project 2304.0	Renovate Central Computing Facility CMTA Engineers, \$48,500 ( <i>Design</i> )

***Two contracts were completed this quarter:***

Project 2261.0	Renovate Central Vivarium Denham Blythe, Co. \$776,334.50
Project 2291.1	Renovate Wildcat Lodge Jarboe Construction, \$20,295

***Four amendments were as follows:***

- Project 2235.0 Construct Biological Pharmaceutical Complex Building
- Additional scope of work necessary to accommodate the pre-construction services phase of the 4th and 5th floor fit-up, the 1st floor food services facility fit-up and the steam line extension design. (+) \$236,320
- Project 2239.0 Construct Patient Care Facility
- Expanded design services to include completion of design of the surgery waiting expansion, the expansion of Children's Hospital entry, expansion of the auditorium design, refining several infrastructure elements and further development of the gift shop case work. (+) \$332,700
- Project 2239.0 Construct Patient Care Facility
- 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. (+) \$72,151
- Project 2299.1 Convert Hunt Morgan Space to Class Lab
- Deletion of the second floor laboratory design, preparation of new bid documents and an add alternate bid for the laboratory. (+) \$13,630

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

- Project 2235.0 Construct Biological Pharmaceutical Complex Building
- Provide alternate steam design. (+) \$72,000
  - Resolve conflict between mechanical circuit and distribution panel schedules. (+) \$45,307
  - Provide additional coordination between the ceiling grid and the light fixture. (+) \$43,873
  - Provide the required service area above ceiling and modify HVAC sizing. (+) \$26,967
  - Provide modifications to the finish carpentry. Add modesty panels and wireways in the auditoriums. (+) \$52,374
  - Extend Construction Manager services to allow for timely completion of the Vivarium due to inclement weather delays. (+) \$166,314
  - Provide for increased cost of Kentucky American Water Co. waterline installation. (+) \$80,706
  - Convert storage room 501C to create an egress exit out of the Vivarium. (+) \$27,478
- Project 2239.0 Construct Patient Care Facility
- Add remote monitoring and control capability to substation breakers. (+) \$26,288
  - Provide and install 12 humidifier condensate pumps. (+) \$25,931
  - Add a low pressure steam pumping system to the basement. (+) \$41,529
  - Provide a compatible mating of the curtain wall and precast systems. (+) \$228,937
  - Re-route lines allowing for placing of structural column to support the east connector. (+) \$30,633
  - Fund overtime paid to make up time lost due to weather delays in December and January. (+) \$29,521

- Fund overtime required in May to maintain the concrete pour schedule due to inclement weather. (+) \$39,687
  - Install backfill against the southeast and southwest corner of the Patient Care Facility. (+) \$47,723
  - Re-route the existing sanitary sewer to allow for installation of bridge pier. (+) \$26,436
  - Add venting and re-size piping. (+) \$320,823
  - Delete galley equipment from the 8<sup>th</sup> floor. (-) \$50,620
  - Relocate the required power for the elevator machine room. (+) \$33,352
- Project 2239.2 PCF – Hospital GMP # 2 – Parking Garage
- Reduce the contract value due to lien release payout. (-) \$372,393
- Project 2248.1 Replace Steam and Condensate Pipe – Farm Road
- Provide and install a portable steam boiler for the Gluck Equine Research Bldg. due to steam outage. (+) \$63,305
- Project 2252.0 Upgrade Cancer Center Radiologic Facility - Hospital
- Decrease the scope of the landscaping. (-) \$41,459
- Project 2299.1 Convert Hunt Morgan Space to Class Lab
- Increase the casework allowance. (+) \$44,084
  - Provide for replacement and re-routing of underground electric service. (+) \$51,128
  - Provide for repair of underslab electrical, fire alarm and other building systems as well as ground water pumping, new backfill material and reinforcement required due to unforeseen conditions. (+) \$28,078

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Action taken:     Approved     Disapproved     Other \_\_\_\_\_

## CAPITAL CONSTRUCTION CONTRACTS QUARTERLY ACTIVITY REPORT

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

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

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

# CAPITAL CONSTRUCTION QUARTERLY ACTIVITY REPORT

## Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Major Projects**  
**Capital Project Management Division**  
**July 31, 2009**

**Construct Biological Pharmaceutical Complex Building**

*Project Description:*

Phase I of the Biological Sciences/Pharmaceutical Complex, was authorized by the 2005 General Assembly and funded in 2006 at \$40,000,000. Phase II was funded at \$92,792,000 and together these phases will complete the 279,000 gross square foot facility that includes some “shell space” to allow for the growing research needs. This “shell space” will be fitted out for research laboratories at a later date as university funds and/or grant dollars become available. This new building will provide the college with a state-of-the-art facility that will also allow the college to expand enrollment to address the shortage of pharmacists in Kentucky. The College of Pharmacy will relocate to this new facility and vacate their existing space. In addition to the current Pharmacy Building, college faculty members are housed in 10 buildings on and off campus. Consolidation of the research and teaching expertise of the eighth ranked College of Pharmacy in the U.S. will further strengthen the instruction of students and research collaboration among faculty. The project is expected to be complete by December 2009.

*Project Status:*

Exterior sitework continues on the north side of the building and exterior coping installation continues. Granite, limestone and brick masonry installation is complete on the building façade. Work has started on the exterior canopies. MEP continues on all floors. Final finishes have begun on the third floor. The hanging and finishing of the vivarium drywall ceiling is complete. Second floor hanging and drywall finishing as well as first coat painting activities are nearing completion. First floor framing of walls and ceilings is nearing completion. First floor drywall hanging and finishing continues. First floor prime and first coat painting has begun. Vivarium ceiling fixture installation started and painting of the epoxy walls and ceilings in the vivarium has begun. Project is on schedule to complete December 1, 2009 for first, second, and third floors. The basement vivarium will complete mid February

**Construct Children’s Garden at the Arboretum**

*Project Description:*

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

*Project Status:*

Design Development documents were completed and reviewed in late July. It was decided to include the “Quilt Fountain” part of the project as an add alternate to the base bid. The estimate for the base bid of the project is within the available funds for construction.

**Construct Patient Care Facility**

*Project Description:*

The Hospital's present patient bed tower is over 40 years old. Although the space served patients well, the infrastructure is aging, and the facility can not accommodate rapidly developing technology. This project is providing the site location evaluation, building programming, planning, and design services for a new bed tower. The project design team is lead by GBBN with major sub consultants including AM Kinney, Ellerbe-Becket, Staggs and Fisher, Affiliated Engineers, THP Limited as well as a number of specialty consultants. This project will construct a new hospital addition to include patient beds, patient diagnostic and treatment areas, support areas, support facilities, medical equipment and infrastructure. The project also includes the replacement of the hospital parking garage and a connecting bridge to clear the site for the new hospital addition as well as land acquisition and utility relocation costs. The progress of all the components is listed below.

**PCF – Building (BP #'s 3B, 4, 5 & 6):**

*Project Description:*

This project includes:

- (BP #3B) Early Site Work
- (BP #4) The demolition of the existing Parking Structure # 4. The work will involve the start of all deep foundations up to the grade of the excavation.

- (BP #5) The construction of the new 1,022,000 gross square feet building's structural frame, fireproofing, exterior wall enclosure for all new building spaces, windows, exterior doors and roofs. Also included will be all exterior site improvements, civil design for roadways, drainage systems, landscaping, hardscape surfaces and walks.

- (BP #6) The interior fit-out partitions, interior finishes, doors and frames, ceilings, mechanical systems, electrical systems, technology systems, medical equipment and fire protection for approximately 490,000 occupiable square feet; and 532,000 square feet of shell space. The work also will include drawings and specifications for signage, interior furnishings and lighting.

*Project Status:*

- Mass Excavation, Early Site Work and Foundations (BP #3B & 4)

Completion of punch list items was the major area of activity during July. The contractor will continue to complete the work on the punch list during August.

- Core and Shell (BP #5)

The concrete podium structure was completed in July. The North area grade beam and pier cap foundations are close to completion. The foundation work for the bridge in front of Parking Structure #8 is 90% complete. Stone veneer installation began this month and will continue thru August on the west elevation. Precast panel installation completed on the west podium and the north podium elevation. This work will move to the south and east elevation during August. Installation of Structural Steel continued on the east and west towers this month. Levels 6 and 7 are approximately 90% complete. Metal deck installation has begun in the core area of level 6. The installation of stair #2 continued to the upper floors. Plenum steel progressed on the fourth level and installation of the west transfer stair was completed on the 3<sup>rd</sup>/4<sup>th</sup> level. ASI Ltd. began installation of window flashing on the ground level. This work will continue on the west elevation during August. The east material hoist was erected and is operational this month. The demolition contractor completed demolition in the CCC building. The exterior precast demolition was completed at the CCC. The general trades contractors continued working on installing roof davits and temporary shaft covers for the 5<sup>th</sup> level. The mechanical work continues in the basement with all major systems being installed; including pumps, HVAC units, and all major piping. The electrical work continues with installation of temporary power and lighting. Installation of conduit began at the 3<sup>rd</sup>/4<sup>th</sup> level. HVAC mechanical ductwork progressed on the 3<sup>rd</sup>/4<sup>th</sup> level. Installation of duct completed in the southwest shaft.

- Fit up (BP #6)

Interior masonry walls are approximately 98% complete. Only minor areas remain at locations, which must be left out to allow mechanical items to be installed. Installation of fire stopping between exterior precast and the concrete building structure has begun on the west elevation at the 3<sup>rd</sup> level. Installation of divider beams and framing at the elevators continues. Turner is also working with UK to release design on the structural supports for the exam lights and booms. The dry wall contractor continued with framing of walls in the basement and ground levels as well as the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> level electrical, IDF, and EIDF rooms. The top out of walls continued on the ground level. Framing and top out of priority walls at levels 3 and 4 has begun. Blocking at ground level proceeded and will continue thru August. Installation of sprinkler pipe and testing continued at the basement level. Installation of HVAC duct mains and distribution continued on the ground and basement levels. Installation of hangers for distribution duct began at the 3<sup>rd</sup> level. Installation of storm piping began under the 5<sup>th</sup> level deck. Sanitary waste and vent piping continued on the ground level and basement levels. Sanitary piping work began under the 5<sup>th</sup> level deck. Potable water piping continued at the ground and basement levels. Medical gas piping was completed at ground level med gas zone 1 and continued at med gas zone 2. Installation of electrical conduit continued in the basement and ground level. Installation of cable tray began at the ground level. The pulling of wire began in the basement. Swisslog has begun installation of the pneumatic tube system.

**Convert Hunt Morgan Space to Class Lab**

*Project Description:*

This project will convert approximately 6,000 Net Square Feet of space on the ground floor of the Thomas Hunt Morgan Building into class lab teaching space. The project will include wet bench casework, flooring, ceilings, lighting, and Smart Classroom technology. The work will also include modifications to the plumbing, electrical and HVAC systems. Approximately 1800 Net Square Feet of space on the second floor will be renovated for two research faculty. There will be two research laboratories, each at 765 square feet and each with a 135 square foot office.

*Project Status:*

The contractors are 95% complete with the work on the Ground Floor Classrooms. Completion of the Room 200 Research Lab is anticipated on August 28<sup>th</sup>. The Biology Department requested a cell culture room in Room 215. The contractor is completing a cost estimate for this addition.



### **Expand Ophthalmology Clinic - Hospital**

#### *Project Description:*

This project consists of renovating approximately 12,500 square feet of space on the third floor of the Kentucky Clinic, some of which is currently occupied by Neurosurgery, in order to expand the existing Ophthalmology Clinic (also located on the third floor of the Kentucky Clinic) into the vacated space. It also includes refurbishing the existing Ophthalmology Clinic space. This project will necessitate phased construction activities to include expansion into the additional space as well as a full refurbishment of the existing Ophthalmology Clinic.

#### *Project Status:*

The project is officially on hold by the hospital; however, internal meetings for operational planning have begun. Design meetings are to follow the internal operational meetings.

### **Expand & Upgrade Livestock Disease Diagnostic Lab**

#### *Project Description:*

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

#### *Project Status:*

Abatement for ACM is more extensive than the initial building survey indicated and will continue this month. Work this month includes continuing construction of caissons, grade beams and digester concrete walls. Demolition of the incinerator area on the basement and first floor continues. The 10,000 pound tissue digester is complete and the ownership was transferred to the University. The digester has been insured by UK and remains stored at the manufacturer. Manufacturing of the second 10,000 pound tissue digester continues this month.

### **Expand/Renovate Kentucky Clinic – Outpatient Clinic**

#### *Project Description:*

This project consists of renovating approximately 13,300 square feet of existing space on the first floor of the Kentucky Clinic, which is to be vacated by the University Health Services (Student Health Facility) to create a new outpatient clinic for the Kentucky Neuroscience Institute (Neurology, Neurosurgery and Physical Medicine & Rehabilitation clinical services). This project includes renovation of part of the space and refurbishment of all of the space. After completion of the construction work associated with this renovation, KNI departments will move into this space.

#### *Project Status:*

This project has been accepted as substantially complete and has been occupied. PPD has completed landscaping of the adjacent courtyard.

### **Digital Village, Building 2**

#### *Project Description:*

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

#### *Project Status:*

Design meetings have been held on a regular basis with the future building occupants, along with other campus departments to clearly define and coordinate design goals and requirements. Stantec has provided site survey and geotechnical services. Congleton-Hacker has been contracted to provide Construction Management services. Facility Commissioning Group has been contracted to provide commissioning services. Phase two, Design Development documents have been approved. The project is currently in the phase three, construction document phase. Forty and eighty percent phase three design review meetings have been held. The project is currently on schedule and in budget.

### **Renovate Koinonia House (aka Schmidt Vocal Art Center)**

#### *Project Description:*

The project continues the renovation of the Vocal Arts Center, which houses the UK Opera Program. The facility was acquired by the University in 1991. At that time, some of the first floor was renovated, but the second floor of the building remained shelled space. The current project includes upgrades to the electrical and mechanical systems, installation of a sprinkler system, a new stairwell, and an elevator. The project also begins fitting out the second floor to address needs created by the recent growth of the Opera Program. The second floor will eventually include rehearsal rooms, teaching studios, classrooms, practice rooms, a dance studio, and office space for staff and graduate assistants. Following this initial phase, additional shell space remains for a later project or phase.

#### *Project Status:*

Demolition, stud installation, rerouting of the underground communications lines to the communications closet in the Career Center, relocation of communications lines in the Schmidt building, rerouting sprinkler lines, wall framing and patching holes in the floor are all complete. The sub-floor for the raised flooring system has been installed. Electrical conduit and plumbing are scheduled to be installed this month. Drywall installation and HVAC ductwork will begin. The pit excavation for the elevator will also begin in August.

### **Renovate/Expand the Center for Applied Energy Research**

#### *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 installation of the foundations and grade beams is 70% complete. The components of the metal building are scheduled to arrive onsite in August. Demolition Crushing Room Building has been completed..

### **Repair, Upgrade, Improve Building Systems – Hospital (Elevators Upgrade for KY Clinic)**

#### *Project Description:*

This project encompasses refurbishing 8 elevators in KY Clinic. The refurbishment includes replacing all cab finishes, lighting, major wear components, and controls. Elevator “land line” emergency phones will be replaced with voice over IP phones, which have lower operating cost. The elevators will be refurbished one at a time so as not to impact patient care. This project allows the Hospital to provide maintenance and upgrades to prevent breakdowns in the system. The Hospital relies on these systems for the efficient transfer of patients, visitors, supplies, and equipment.

#### *Project Status:*

Oracle Elevator was selected as the best value among the respondents by RFP process. Oracle's proposal was slightly over the construction budget; however, the overall project is within budget. Construction will begin in mid-August.

### **Replace Emergency Generators & Fire Pump - UK Good Samaritan Hospital**

#### *Project Description:*

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

#### *Project Status:*

Bid Package # 1, the purchase and installation of a Deareator Tank, was awarded to TJ Dyer. The tank is on order. Bid Package # 2 is the purchase and installation of Emergency Generators and Fire Pump. The pre-bid conference was held in July and a bid-opening is scheduled for mid-August.

### **Replace Steam and Condensate Pipe - Farm Road**

#### *Project Description:*

Replace the existing, direct buried steam piping and vaults from the Kentucky Tobacco Research and Development Center to the Gluck Equine Research Center. The new pipe is to be routed south of Farm road and outside the ARS Agriculture Project (FAPRL) leased/construction area. The location of this future ARS connection will be coordinated with that project.

#### *Project Status:*

Excavation of the piping on the west end is complete. The contractor uncovered a water line for a building hydrant that needed to be relocated to allow proper routing of the new steam lines. Initial excavation on the east end is ongoing. Construction of new steam pits continues. Project is on schedule.

### **Upgrade Cancer Center Radiologic Facility - Hospital**

#### *Project Description:*

The University of Kentucky Hospital needs to significantly upgrade and improve the current clinical space in the Lower Level of University Hospital. This will include therapy rooms, clinic exam areas, infusion space, office, education, and support space for the clinical practice. Given that the clinic will need to continue operations during the project, it is anticipated that areas will be taken down, or phased, during the construction. Surge space to allow the phasing has been identified. The addition will be located along the west side of the Markey Cancer Center/Ben F. Roach Cancer Care Facility, while the renovation will occur in existing research space on the Lower Level of the same building. Development of Radiation Medicine clinical areas is essential to growth of cancer programs, supportive of the strategic plans for UK HealthCare. Current facilities are split between the Lower Level of the hospital and the Roach Building. Several initial facility studies have been completed that identified expansion and renovation of the areas of the Lower Level of the Roach Building to respond to immediate needs and is consistent with the Ambulatory Master Plan.

#### *Project Status:*

All interior work is substantially complete. Substantial completion for the exterior work is scheduled before the final progress meeting.

### **ARS - Agriculture Project**

#### *Project Description:*

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

#### *Project Status:*

A 100% Construction Documents review meeting proposed for May 2009 was delayed to September 2009 due to Federal delays.

### **Expand Coldstream Research Campus – Redundant Power Supply**

#### *Project Description:*

The main electrical service to Coldstream Research Campus is currently supplied by Kentucky Utilities through a combination of overhead supply and underground distribution systems. The main 12KV power supply is delivered by an overhead circuit from Kentucky Utilities' IBM station. Several existing and future projects require that Coldstream Research Campus have a redundant electrical power supply available. The immediate redundant power needs are for the first building in the Lexhold Technology Center (under construction), Exstream Software buildings (under construction), the LFUCG Emergency Operations Center (being designed) and the UK Data Center (in design). In order to successfully market the Coldstream Research Campus in the future, separate and redundant power feeds will be essential.

#### *Project Status:*

Kentucky Utilities' design of the electrical and communications ductbanks is anticipated to be complete in late August. The project will go out to bid in September 2009.

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

*Project Description:*

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

*Project Status:*

The Dean's office from the College of Arts and Sciences is determining space allocation for Chemistry and Physics. Design is on hold until a decision has been reached. Currently we are in the first phase of design and the project is approximately one month behind schedule pending the above decision.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Biological Pharmaceutical Complex Building

Project Number: 2235.00

Scope: \$132,792,000

Project Description:

Phase I of the Biological Sciences/Pharmaceutical Complex, was authorized by the 2005 General Assembly and funded in 2006 at \$40,000,000. Phase II was funded at \$92,792,000 and together these phases will complete the 279,000 gross square foot facility that includes some "shell space" to allow for the growing research needs. This "shell space" will be fitted out for research laboratories at a later date as university funds and/or grant dollars become available. This new building will provide the college with a state-of-the-art facility that will also allow the college to expand enrollment to address the shortage of pharmacists in Kentucky. The College of Pharmacy will relocate to this new facility and vacate their existing space. In addition to the current Pharmacy Building, college faculty members are housed in 10 buildings on and off campus. Consolidation of the research and teaching expertise of the eighth ranked College of Pharmacy in the U.S. will further strengthen the instruction of students and research collaboration among faculty. The vacated Pharmacy Building is currently scheduled to be reassigned to the Department of Biology to provide needed expansion space for classrooms, research, and faculty to meet the needs of the growing student enrollment in UK's largest department. The project is expected to be complete by December 2009.

Consultant: EOP Architects

Contract # A061150/A071060

Total Amendments to Date: 4

Original Contract Amount: \$10,585,020

Cumulative Amendment Amount: \$1,083,566

Revised Contract Amount: \$11,668,586

Describe all amendments :

Amendment #1, 5/8/07, an increase of \$220,700, was approved for additional design services to provide an additional research floor as well as a new utility tunnel. This amendment also provides for wind tunnel testing as well as a specialized lighting consultant. Amendment #2, an increase of \$282,276, was approved for Structural engineers to redesign the foundation and sub-slab connections due to discovery of unforeseen solution channel to bedrock and to redesign the first floor from a steel frame to a concrete frame. Additionally the amendment was to design a Donor Recognition Program that will address the range of donor opportunities as outlined by the University, as well as a standard program of plaque recognition. Pinpoint Associates are to locate all underground utilities beginning with Parking Structure # 2, traveling on Washington Avenue and ending at Limestone Avenue. This amendment also provides for an independent third party consultant to provide for all Special and Material Testing as required by the construction documents and 2007 KBC. Amendment #3, 1/13/09, an increase of \$344,270 was approved for additional scope of work necessary to accommodate the fit-up of the fourth and fifth floors as a separate stand alone package. The amendment also provides for additional structural engineering services associated with the addition of an elevator machine room, reinforcement of chilled water pipe structure at the Utility Tunnel and expediting design and construction documents for Bid Package 4. Additional special inspection and testing services are also included as well as civil engineering services associated with the survey, plat and filing as necessary for the permanent closure of Leader Avenue. Amendment #4, 6/9/09, an increase of \$236,320 was approved for additional scope of work necessary to accommodate the pre-construction phase of the 4th and 5th floor fit-up, the 1st floor food services facility fit-up and construction documents for the mast arm traffic signal and the steam line extension design.

Contractor: Messer Construction Co. (Construction Manager At-Risk) Note: This is a 'CM-At-Risk' contract.

The amount will be increased as subcontracts are bid and added. \*Messer's contract was awarded by RFP process.

Contract % complete was calculated using the estimated \$107 Million Construction Budget.

Contract # 4500007696

Total Change Orders to Date: 185

Low Bid:

High Bid:

Original Contract Amount: \$107,507,652

Cumulative Change Order Amount: \$2,667,845

Revised Contract Amount: \$110,175,497

Contract Percent Complete: 83%

Number of Bids:

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

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

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

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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**Construct Children's Garden at the Arboretum**

Project Number: 2303.00

Scope: \$500,000

**Project Description:**

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

**Consultant:** M2D Design Group

Contract # A091040E #1

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

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

**Contractor:** 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:	

**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:	5	Cumulative Amendment Amount:	\$6,442,631
<b>Describe all Amendments:</b>		Revised Contract Amount:	\$35,549,157

**Amendment # 1**, 9/12/06, was approved for \$299,044 for additional design services required to design two additional floors for the parking garage. This amendment also provides for additional survey services associated with the rerouting of the ductbank; the addition of 12 receptor sources to be studied as part of the existing wind study; and the need for additional storm water modeling to review the impact on the new Patient Care Facility during heavy rain storm events. **Amendment # 2**, 2/13/07, was approved for additional design services associated with increased scope including but not limited to increased renovation of areas in the existing hospital (all phases); development of early bid packages for infrastructure and site utility packages and temporary emergency department access; development of on additional bed wing (all phases); development of partial cafeteria (all phases); design of fitup for two additional floors (shell only - all phases); design of a redundant communications feed (all phases); additional design services associated with security systems; development of design of Phase 1B air handlers (thru DD's) and additional design of costs associated with relocation and installation of above ground and underground fuel tanks (all phases). Also included is additional reimbursable services for added geotechnical rock investigation; additional site survey and added construction testing. **Amendment # 3**, 5/13/08, an increase of \$868,849 was approved for additional design services to include completion of the PCF Auditorium and construct a mock up in the College of Nursing. It also provides for 3D images and graphic design services for fund raising efforts as well as additional costs associated with preparing early and separate supplemental bid packages. **Amendment # 4**, 4/14/09, an increase of \$332,700 was approved for expanded design services to include completion of design of the surgery waiting expansion, the expansion of Children's Hospital entry, changes in the auditorium design, refining several infrastructure elements and further development of the gift shop case work. **Amendment # 5**, 6/9/09, an increase of \$72,151 was approved for implementation of a GIS facility management system to import and manage data associated with buildings and spaces, with the ability to expand for future inclusion of detail equipment, finishes and furniture data information.

**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. Contract % was complete was calculated using the estimated \$300 Million Construction Budget*

Total Change Orders to Date:	257	Original Contract Amount:	\$306,215,701
Low Bid:		Cumulative Change Order Amount:	\$7,719,968
High Bid:		Revised Contract Amount:	\$313,935,669
Number of Bids:		Contract % complete:	42.00%

**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. **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



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

of the pedestrian walkway and walkway roofing instead of traditional hammering. 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. Early rock removal will also eliminate blasting after installation of foundation in 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 Building. **Change Order # 71**, 5/7/08, was approved for \$47,571 to install four new handicap ramps and thermoplastic street marking to comply with ADA standards. **Change Order # 73**, 6/6/08, was approved for \$37,090 to remove and replace water meter vault that is in the CP # 3 tunnel excavation footprint due to location of hidden chilled water lines. **Change Order # 85**, 6/4/08, was approved for \$28,092 to revise alignment and depth of electrical ductbank that runs from Scott Street toward Electric Substation # 2, and revise the location of it's associated manhole. This will insure proper cover for manhole and ductbank when future changes are made in this area. **Change Order # 90**, 6/9/08, was approved for \$42,604 to install new ductbank at a depth greater than planned due to concealed high voltage ductbank. **Change Order # 98**, 7/3/08, was approved for an increase of \$62,263 to modify the tower crane foundation. This was required due to unsatisfactory rock with mud seams and 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" shear wall/grade beam 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 by the University. Backfill and compact will be added to grade to match existing slope.

### BP # 5 Change Orders

**Change Order # 2 BP # 5**, 6/30/08, was approved for \$36,359 to provide and install 48" diameter sump pit and piping, for the existing subsurface groundwater. This addressed the field condition of ground water that has been observed in open excavations. **Change Order # 4 BP # 5**, 7/23/08, was approved for \$26,723 to provide two mock-ups of the architectural precast panels. **Change Order # 7 BP # 5**, 9/15/08, was approved for an increase of \$39,922 to provide concrete shear walls at Column Line 12/E-F and Column Line 12/L-M, ground level to underside of third level. **Change Order # 8 BP # 5**, 9/30/08, was approved for an increase of \$26,540 to add one (1) gate valve and three (3) triple duty offset butterfly valves to high pressure steam lines. The original design did not allow for a partial cut-off of steam supply to the building. **Change Order # 20, BP # 5**, 12/2/08, was approved for an increase of \$38,438 to provide concrete shear walls in accordance with the structural documents. The trade contractors scope descriptions failed to assign this task. **Change Order # 24, BP # 5** 2/6/09 was approved for an increase of \$27,389 to revise the medium voltage cable spec to meet published UK standard. **Change Order # 26, BP # 5**, 1/20/09 was approved for an increase of \$25,547 to provide additional doors to the freight elevators allowing access to these elevators from the exterior. **Change Order # 27, BP # 5** 1/20/09 was approved for an increase of \$29,111 to install 60 linear feet of 18" reinforced concrete pipe from the existing storm manhole to the new 12' diameter manhole. **Change Order # 32, BP # 5**, 2/10/09 was approved for an increase of \$71,714 for the upsizing and rerouting of the steam generators. **Change Order # 41, BP # 5**, 3/26/09 was approved for an increase of \$75,511 to provide miscellaneous electrical revisions to Bid Pack 5 electrical systems to include new distribution panel and critical bus duct plugs. **Change Order # 45**, 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**, 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**, 5/12/09, was approved for an increase of \$41,529 to add a low pressure steam pumping system to the basement level of the facility. These pumps are required for proper function of the system.

Change Order # 51, 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, 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, 6/1/09, was approved for an increase of \$29,521 to fund overtime payment for Baker Construction. This additional cost will be used to make up time lost due to weather delays in December 2008 and January 2009. These days will need to be made up to open the Emergency Department on the currently scheduled date. Change Order # 62, 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, 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, 6/26/09, was approved for an increase of \$26,436 to re-route existing allow for installation of bridge pier.

BP # 6 Change Orders

Change Order # 1, BP # 6, 1/23/09 was approved for an increase of \$74,499 to increase booster pump capacity. Change Order # 2, BP # 6, 3/3/09 was approved for an increase of \$38,126 to allow for the installation of piping for dialysis systems on the 5th floor. Change Order # 3, BP # 6, 3/24/09 was approved for an increase of \$101,006 to utilize Densarmor exterior sheeting for the electric and data closets. This will allow for the installation of the materials prior to the roofing of the structure. This will enhance the schedule and allow the project to remain on track for the substantial completion of the emergency department. Change Order # 11 BP # 6, 5/21/09, was approved for an increase of \$320,823 to re-design to meet the State's interpretation of the KY plumbing code. Venting was added as well as the resizing of piping. Change Order # 12 BP # 6, 5/29/09, was approved for a decrease of \$50,620 to delete all Galley Equipment from the 8th Floor due to the decision to not fit-out the 8th floor in phase 1A. 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.

**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**PCF - Hospital GMP # 2 - Parking Garage**

Project Number: 2239.20

Scope: \$32,766,968

**Project Description:**

GMP # 2. This is a portion of the larger Patient Care Facility Project (2239.0). This package will construct a seven level parking structure that will have an approximate 1,600 car capacity. The new garage will be located on the west side of Limestone Street, between Conn Terrace and Transcript Avenue. This structure will replace the existing Med. Center parking garage that must be demolished in order to tie the new Patient Care Facility to the existing Medical Center. A future pedestrian bridge will connect the new structure to the Patient Care Facility and the design has allowed for the future addition of approximately 15,000 square feet of retail space fronting Limestone.

**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:** Gilbane Building Company (GMP #2)

Contract # 4500001350

Original Contract Amount:

\$32,766,968

Total Change Orders to Date: 4

Cumulative Change Order Amount:

-\$390,393

Low Bid:

Revised Contract Amount:

\$32,376,575

High Bid:

Contract Percent Complete:

99%

Number of Bids:

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

**Change Order # 57, 4/22/09, was approved for a decrease of \$372,393 to reduce the contract value due to lien payout to E.C. Matthews Company, Inc.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**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: 42

Cumulative Change Order Amount:

\$678,078

Low Bid: \$9,474,000

Revised Contract Amount:

\$10,152,078

High Bid: \$10,400,000

Contract Percent Complete:

99%

Number of Bids: 2

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

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

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Convert Hunt Morgan Space to Class Lab

Project Number: 2299.10

Scope: \$2,969,900

Project Description:

This project will convert approximately 6,000 Net Square Feet of space on the ground floor of the Thomas Hunt Morgan Building into class lab teaching space. The project will include wet bench casework, flooring, ceilings, lighting, and Smart Classroom technology. The work will also include modifications to the plumbing, electrical and HVAC systems. Approximately 1800 Net Square Feet of space on the second floor will be renovated for two research faculty. There will be two research laboratories, each at 765 square feet and each with a 135 square foot office.

Consultant: Omni Architects

Contract # A091100

Total Amendments to Date: 1

Describe all amendments :

Amendment # 1, 4/14/09 an increase of \$13,630 was approved for additional design services as required to modify the bid documents to delete the second floor laboratory design, prepare new bid documents and prepare an add alternate bid for laboratory 215.

Original Contract Amount: \$295,000
Cumulative Amendment Amount: \$13,630
Revised Contract Amount: \$308,630

Contractor: Denham-Blythe Inc.

Contract # 4500031786

Total Change Orders to Date: 7

Low Bid: \$1,679,638

High Bid: \$2,860,000

Number of Bids: 9

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

Change Order # 1, 5/2/09, was approved for an increase of \$44,084 to increase the allowance for the laboratory casework. The original allowance was based on a preliminary estimate by the architects and the final quote was based on the actual bid documents. Change Order # 2, 5/12/09, was approved for an increase of \$51,128 to provide for replacement and re-routing of underground electric service due to concealed conditions. Change Order # 4, 5/18/09, was approved for an increase of \$28,078 to provide temporary repair of underslab electrical, fire alarm, and other building systems that were not documented. This change order also provided for ground water pumping during excavation as well as new backfill material and reinforcement. These issues were concealed conditions not known by maintenance personnel or shown on the original drawings.

Original Contract Amount: \$1,679,638
Cumulative Change Order Amount: \$127,208
Revised Contract Amount: \$1,806,846
Contract Percent Complete: 55%

**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Expand Ophthalmology Clinic - Hospital**

Project Number: 2301.00

Scope: \$4,185,000

**Project Description:**

This project consists of renovating approximately 12,500 square feet of space on the third floor of the Kentucky Clinic, some of which is currently occupied by Neurosurgery, in order to expand the existing Ophthalmology Clinic (also located on the third floor of the Kentucky Clinic) into the vacated space. It also includes refurbishing the existing Ophthalmology Clinic space. This project will necessitate phased construction activities to include expansion into the additional space as well as a full refurbishment of the existing Ophthalmology Clinic.

**Consultant:** JRA Architects

Contract # A081140

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount: \$249,078

Cumulative Amendment Amount:

Revised Contract Amount: \$249,078

**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

**Expand & Upgrade Livestock Disease Diagnostic Lab**

Project Number: 2234.00

Scope: \$28,500,000

**Project Description:**

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

**Consultant:** CMW, Inc.

Contract # A061100

Total Amendments to Date: 3

Original Contract Amount: \$648,000

Cumulative Amendment Amount: \$1,846,800

**Describe all amendments :**

Revised Contract Amount: \$2,494,800

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

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

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

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

Contract # 4500026910

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount: \$2,011,780

Cumulative Change Order Amount:

Revised Contract Amount: \$2,011,780

Contract Percent Complete: 12%

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

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

**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Expand/Renovate Kentucky Clinic - Outpatient Clinic**

Project Number: 2298.10

Scope: \$2,930,000

**Project Description:**

This project consists of renovating approximately 13,300 square feet of existing space on the first floor of the Kentucky Clinic, which is to be vacated by the University Health Services (Student Health Facility) to create a new outpatient clinic for the Kentucky Neuroscience Institute (Neurology, Neurosurgery and Physical Medicine & Rehabilitation clinical services). This project includes renovation of part of the space and refurbishment of all of the space. After completion of the construction work associated with this renovation, KNI departments will move into this space.

**Consultant:** JRA Architects

Contract # A081130

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$235,686
Cumulative Amendment Amount:	
Revised Contract Amount:	\$235,686

**Contractor:** Messer Construction Co.

Contract # 4500029550

Total Change Orders to Date: 25

Low Bid: \$2,055,000

High Bid: \$2,578,500

Number of Bids: 7

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

**Change Order # 4**, 1/9/09 was approved for \$27,734 to replace the existing (2) runs of double wall ductwork with new high velocity single wall ductwork. Replacement of the ductwork is necessary due to a leak in the existing ductwork. This will provide for proper airflows and balancing. **No change orders greater than \$25,000 this quarter.**

Original Contract Amount:	\$2,055,000
Cumulative Change Order Amount:	\$74,013
Revised Contract Amount:	\$2,129,013
Contract Percent Complete:	99%



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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Digital Village Building 2**

Project Number: 2297.10

Scope: \$18,169,725

**Project Description:**

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

**Consultant:** JRA Architects

Contract # A091110

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$1,409,934
Cumulative Amendment Amount:	
Revised Contract Amount:	\$1,409,934

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

Contract # 4500031914

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:	\$984,400
Cumulative Change Order Amount:	
Revised Contract Amount:	\$984,400
Contract Percent Complete:	

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**Renovate Central Computing Facility**

Project Number: 2304.00

Scope: \$845,000

**Project Description:**

McVey Hall is the current facility housing the central computing operations. It is imperative that some facility issues be addressed for UK Information Technology (UKIT) to continue to provide reliable service for mission critical IT systems. The power and air-conditioning problems in McVey Hall require immediate short-term investments to ensure sufficient cooling and power distribution for the next few years. This project will include reconfiguration and upgrading of existing cooling units, replacing of UPS units that are expiring and installation of back-up electricity and cooling equipment.

**Consultant:** CMTA Engineers

Contract # A091020P #1

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$48,500
Cumulative Amendment Amount:	
Revised Contract Amount:	\$48,500

**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:	

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Renovate Central Vivarium**

Project Number: 2261.00

Scope: \$1,245,827

**Project Description:**

The project will involve the purchase of a new Primate Cage Wash unit to be installed in a renovated cage wash area within the existing DLAR facility.

**Consultant:** BHDP

Contract # A071000C

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$43,500
Cumulative Amendment Amount:	
Revised Contract Amount:	\$43,500

**Contractor:** Denham Blythe Company, Inc.

\*Price Contract

Contract # 4500024638

Total Change Orders to Date: 20

Low Bid:

High Bid:

Number of Bids:

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

**Change Order # 14**, 12/23/08, was approved for an increase of \$35,643 to replace existing underground sanitary line to serve the new cage wash unit. The existing line was found to be deteriorated and unusable. **No change orders greater than \$25,000 this quarter.**

Original Contract Amount:	\$687,001
Cumulative Change Order Amount:	\$89,334
Revised Contract Amount:	\$776,335
Contract Percent Complete:	100%

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Renovate Koinonia House (aka Schmidt Vocal Art Center)**

Project Number: 2295.00

Scope: \$1,127,000

**Project Description:**

The project continues the renovation of the Vocal Arts Center, which houses the UK Opera Program. The facility was acquired by the University in 1991. At that time, some of the first floor was renovated, but the second floor of the building remained shelled space. The current project includes upgrades to the electrical and mechanical systems, installation of a sprinkler system, a new stairwell, and an elevator. The project also begins fitting out the second floor to address needs created by the recent growth of the Opera Program. The second floor will eventually include rehearsal rooms, teaching studios, classrooms, practice rooms, a dance studio, and office space for staff and graduate assistants. Following this initial phase, additional shell space remains for a later project or phase.

**Consultant:** Ross Tarrant Architects

Contract # A091090

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$98,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$98,000

**Contractor:** Churchill-McGee, LLC

Contract # 4500033010

Total Change Orders to Date:

Low Bid: \$887,300

High Bid: \$1,123,750

Number of Bids: 6

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

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

Original Contract Amount:	\$887,300
Cumulative Change Order Amount:	
Revised Contract Amount:	\$887,300
Contract Percent Complete:	

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

**Renovate Wildcat Lodge**

Project Number: 2291.10

Scope: \$1,500,000

**Project Description:**

Wildcat Lodge is an approximately 16,000 sf. facility used for student housing on the campus of the University of Kentucky. Its residents are primarily from the University's basketball team, thus the focus of the design is on displaying the rich history of UK basketball while providing a safe, up-to-date home for the students. In addition, there are some historically significant aspects to the building that will be maintained and highlighted. This renovation will consist of replacing flooring, wall materials, lighting, handrails and door hardware throughout the facility. **Project has been cancelled at this time and further review of Wildcat Lodge needs and/or replacement will take place in the future.**

**Consultant:** Moody Nolan Inc

Contract # A091000T

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount: \$50,000

Cumulative Amendment Amount:

Revised Contract Amount: \$50,000

**Contractor:** Jarboe Construction, Inc.

Contract # 4500031824

Total Change Orders to Date: 1

Low Bid: \$715,000

High Bid: \$1,147,000

Number of Bids: 13

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

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

Original Contract Amount: \$715,000

Cumulative Change Order Amount: -\$694,705

Revised Contract Amount: \$20,295

Contract Percent Complete: 100%

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Expand the Center For Applied Energy Research

Project Number: 2286.10

Scope: \$2,000,000

**Project Description:**

The primary purpose of this project will be a 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 centers 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.

Biofuels High Bay Lab Fit-up and Improvements - Renovated space, vacated by the Mineral Processes Lab above, will allow for the development of a biofuels 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:** Biagi, Chance, Cummins, London & Titzer

Contract # A091080

Total Amendments to Date:

**Describe all amendments :**

**No amendments this quarter.**

Original Contract Amount:	\$200,000
Cumulative Amendment Amount:	
Revised Contract Amount:	\$200,000

**Contractor:** Denham Blythe, Co.

Contract # 4500033050

Total Change Orders to Date:

Low Bid: \$1,156,991

High Bid: \$1,544,000

Number of Bids: 6

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

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

Original Contract Amount:	\$1,156,991
Cumulative Change Order Amount:	
Revised Contract Amount:	\$1,156,991
Contract Percent Complete:	

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair, Upgrade, Improve Building Systems - (Elevators Upgrade for KY Clinic)

Project Number: 2296.10

Scope: \$1,000,000

**Project Description:**

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

**Consultant:** N/A

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

**Contractor:** No 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:**

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

Replace Emergency Generators & Fire Pump - UK Good Samaritan Hospital

Project Number: 2277.30

Scope: \$1,737,600

**Project Description:**

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

**Consultant:** CMW, Inc.

Contract # A081150

Original Contract Amount:

\$140,000

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$8,200

**Describe all amendments :**

Revised Contract Amount:

\$148,200

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

**Contractor:** 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:**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Replace Steam and Condensate Pipe - Farm Road**

Project Number: 2248.10

**Project Description:**

Scope: \$1,675,000

Replace the existing, direct buried steam piping and vaults from the Kentucky Tobacco Research and Development Center to the Gluck Equine Research Center. The new pipe is to be routed south of Farm road and outside the ARS Agriculture Project (FAPRL) leased/construction area. The location of this future ARS connection will be coordinated with that project.

**Consultant:** Staggs & Fisher

Contract # A081160

Original Contract Amount: \$210,000

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount: \$210,000

**No amendments this quarter.**

**Contractor:** Lagco, Inc.

Contract # 4500033011

Original Contract Amount: \$899,900

Total Change Orders to Date: 1

Cumulative Change Order Amount: \$63,305

Low Bid:

Revised Contract Amount: \$963,205

High Bid:

Contract Percent Complete: 15%

Number of Bids:

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

**Change Order # 1, 6/24/09, was approved for an increase of \$63,305 to provide and install a portable steam boiler for the Gluck Equine Research Building. This was necessary because Gluck requires a minimum amount of steam throughout the year to operate laboratory cage washers as well as autoclaves.**

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**Student Housing - Supporting Utility Plant Upgrades**

Project Number: 2153.30

**Project Description:**

Scope: \$1,275,000

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

**Consultant:** AM Kinney

Contract # A041000GG

Original Contract Amount: \$26,315

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount: \$26,315

**No amendments this quarter.**

**Contractor:** English Boiler & Tube Inc.

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

Contract # 4500008298

Original Contract Amount: \$1,147,748

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$1,147,748

High Bid:

Contract Percent Complete: 99%

Number of Bids:

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

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

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade Cancer Center Radiologic Facility - Hospital

Project Number: 2252.00

Scope: \$6,000,000

Project Description:

The University of Kentucky Hospital needs to significantly upgrade and improve the current clinical space in the Lower Level of University Hospital. This will include therapy rooms, clinic exam areas, infusion space, office, education, and support space for the clinical practice. Given that the clinic will need to continue operations during the project, it is anticipated that areas will be taken down, or phased, during the construction. Surge space to allow the phasing has been identified. The addition will be located along the west side of the Markey Cancer Center/Ben F. Roach Cancer Care Facility, while the renovation will occur in existing research space on the on the Lower Level of the same building. Development of Radiation Medicine clinical areas is essential to growth of cancer programs supportive of the strategic plans for UK HealthCare. Current facilities are split between the Lower Level of the hospital and the Roach Building. Several initial facility studies have been completed that identified expansion and renovation of the areas of the Lower Level of the Roach Building to respond to immediate needs and is consistent with the Ambulatory Master Plan.

Consultant: BSA Lifestructures

Contract # AO71130

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount: \$535,000

Cumulative Amendment Amount:

Revised Contract Amount: \$535,000

Contractor: Woodford Builders, Inc.

Contract # 4500024505

Total Change Orders to Date: 35

Low Bid: \$4,935,000

High Bid: \$5,190,000

Number of Bids: 3

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

Change Order # 37, 6/15/09, was approved for a decrease of \$41,459 due to a change in landscaping scope.

Original Contract Amount: \$4,935,000

Cumulative Change Order Amount: \$116,416

Revised Contract Amount: \$5,051,416

Contract Percent Complete: 97%