

FCR 12

Office of the President
June 16, 2017

Members, Board of Trustees:

CAPITAL CONSTRUCTION REPORT

Recommendation: that the capital construction report for the three months ending March 31, 2017 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 January 1, 2017 thru March 31, 2017:

There were five new contracts this quarter:

- | | |
|----------------|---|
| Project 2433.0 | Construct/Expand/Renovate Ambulatory Care Facility-UK HealthCare Capital Project (Warren Wright Medical Plaza - First Floor)
- Churchill McGee, \$1,752,000 (<i>Construction</i>) |
| Project 2447.0 | Hardymon Foundation Charitable Grant Commitment and Renovate Third Floor F. Paul Anderson Tower Capital Project
- Marrillia Design & Construction, \$1,584,700 (<i>Construction</i>) |
| Project 2456.0 | Repair/Upgrade/Improve Building Mechanical Systems Capital Project (Dickey Hall)
- Marrillia Design & Construction, \$3,227,000 (<i>Construction</i>) |
| Project 2458.0 | Upgrade/Renovate/Expand Grain Center of Excellence Capital Project
- JRA Architects, \$1,199,385 (<i>Design</i>) |
| Project 2469.0 | Renovate/Improve Athletics Facility Capital Project (Joe Craft Center Locker Room)
- Sherman Carter Barnhart, \$195,205 (<i>Design</i>) |

Four contracts were completed this quarter:

- | | |
|----------------|--|
| Project 2369.2 | Upgrade/Relocate Pediatric Critical Care Unit
- Marrillia Design & Construction, \$1,921,835 |
| Project 2417.0 | Renovate/Upgrade Academic Space-Patterson Hall Capital Project
- Congleton-Hacker Company, \$11,604,209 |

- Project 2428.0 Renovate Academic/Administrative Facility 3 (Combs Cancer Research Building) Capital Project
 - Churchill McGee, \$924,984
- Project 2452.0 Renovate/Expand Clinical Services Capital Project-William W. Willard Medical Education Building (College of Medicine Support Space)
 - Marrillia Design & Construction, \$715,177

Four amendments were as follows:

- Project 2402.3 Renovate/Upgrade UK HealthCare Facilities (Phase I-G)
 - Provide for an increase in state plan review fees, revisions to adjacent hospital areas impacted by the construction project, an extension of the construction schedule, additional work required to facilitate the purchase of owner furnished air handling equipment, and additional evaluation of lighting controls to support a value engineering change. (+) \$290,264
- Project 2425.0 Construct Research Building Capital Project
 - Provide additional design and construction administration associated with modifications of water services for two university buildings on Leader Avenue. Also included are additional allowances for land surveying, subsurface investigation, pre-coring of borings, and special inspections. (+) \$143,745
- Project 2437.0 Construct Baseball Facility Capital Project
 - Provide for scope revisions, the combining of design release 1 and 2 construction documents into one design release, concept design work for future Phase 2 indoor practice facility, wayfinding, and environmental graphic design coordination, extended construction administrative services, and video animation. (+) \$342,916
- Project 2454.0 Renovate/Improve Clinical/Ambulatory Services Capital Project (Otolaryngology)
 - Provide additional reimbursable design services as required to provide acoustical design consulting. (+) \$10,920

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

- Project 2363.0 Academic Science Building
 - Provide the finishes for a portion of the hallway in Corridor 100K, located in the current shell space, to provide access to the family toilet. (+) \$34,382
 - Provide a credit for a portion of work along Rose Street. The work will no longer be completed by this project. (-) \$197,253
- Project 2394.0 Design/Renovate/Upgrade Hospital Facilities-Good Samaritan Capital Project
 - Provide a credit for combining the work to be done in phase three with the work to be done in phase four of the project. (-) \$43,507
- Project 2396.0 Renovate/Expand Student Center Capital Project

- Add conduit pathway to the audiovisual devices installed in bid package three work. The scope was not finalized until bid package four. (+) \$47,307
- Provide the necessary structure to support a concrete encased electrical duct bank. (+) \$64,876
- Install the necessary under-slab rough in for the Subway drink station. (+) \$25,838
- Provide backfill for the exterior stairs that are connected to the building. (+) \$48,069
- Provide for cost beyond the allowance to replace the existing Alumni Gym cornice and portico. The original allowance only assumed a thirty percent repair/replacement of the sheet metal and substrate. (+) \$217,542
- Add an angle to the edge of the slab to support the curtain wall at locations that have stone sills. (+) \$36,033
- Provide a steel plate required for attachment of the brick relief angle to the cold form metal framing. (+) \$54,434
- Provide electrical rough in for the Branding bid package. (+) \$26,206
- Provide additional cold form metal framing and miscellaneous steel to reinforce existing conditions and new construction. (+) \$66,619
- Add silicone impregnated foam expansion joints allowing for independent movement of the radius truss. (+) \$125,069
- Provide infill for the concrete floor slab in the 1938 Student Union. (+) \$27,409
- Provide additional structural framing and attachment of the metal deck to the existing masonry walls at the north entry of the Alumni Gym. (+) \$44,073
- Provide mass excavation for lowered slab elevations in the Barnes & Noble Receiving area, a portion of the pump room, and Stair T. (+) \$71,283
- Provide framing modifications and additional blocking for the Branding bid package. (+) \$33,261
- Provide additional steel required for expansion joint framing along the intersections of areas A, B, & C. (+) \$74,705
- Provide a credit to delete the designed green roof planting system. The possibility of an alternate, less complex, vegetated roof system will be investigated. (-) \$85,661
- Provide for electrical modifications necessary to provide power to the motorized sunshades introduced in bid package #3. (+) \$25,947
- Provide a single hardware and platform for the audio-visual portion of the Branding bid package. (+) \$31,268
- Provide additional bracing and channel required for the vertical folding partition in the Great Ballroom. (+) \$40,668
- Add concrete curbs at the base of the curtainwall and radius wall systems. (+) \$71,257

- Provide additional steel to reinforce the existing structure in area A & B. (+) \$43,751
- Provide an additional exhaust fan and ductwork required for the dishwasher in the finishing kitchen A212H. (+) \$42,542
- Add lights and corresponding framing in the area C, level 2, Blue Box Theatre corridor alcove. (+) \$50,994
- Provide a credit to omit electrical items in the Harris Ballroom and the Bluebox Theatre shell space, and for the removal of electrical devices due to the revised layout of the social stair. (-) \$47,058
- Provide various electrical field coordination items. (+) \$29,658
- Add a portion of the Barnes & Noble Bookstore fit-up to facilitate the overall project schedule and to improve coordination and implementation of technical work by utilizing the current on-site trade contractors. (+) \$756,016

Project 2402.3

Renovate/Upgrade UK HealthCare Facilities (Phase I-G)

- Bring the topping slab back to an acceptable tolerance in preparation for contracted final leveling and new flooring. (+) \$56,776
- Relocate existing sanitary, vent, acid waste, and steam condensate piping in building HA on first floor to coordinate with new utilities. (+) \$44,483
- Furnish and install temporary scaffold from the ground up to the 6th floor to accommodate the slab removal process at elevators 56, 57, and 58. (+) \$87,808
- Provide a credit for the tower crane temporary generator rental and fuel due to the MRI building being brought off line a week ahead of schedule. (-) \$26,966
- Provide a value engineering credit for eliminating specialty glass for the Stanley ICU entrances. (-) \$181,003
- Provide demolition work and shear wall reinforcing associated with the enlargement of the existing door opening that leads from the ground floor of Pavilion H to the exterior courtyard. (+) \$36,376
- Replace the exterior strip windows in the first floor office HA1116 in Pavilion HA. (+) \$73,353
- Provide additional excavation, demolition, and new work required for the exterior courtyard. (+) \$29,985
- Expedite the schedule of the Pavilion HA elevators and elevator lobbies to limit the amount of time the construction process impacts employees and patients. (+) \$56,448
- Demolish and replace the existing relief duct from the return fan. Reroute ductwork in the area in coordination with the new duct. (+) \$32,563
- Relocate existing conduit to conceal in a wall cavity. (+) \$39,303
- Furnish and install new 20" chilled water lines through the new Pavilion HA ground floor mechanical room. Existing lines are 32 years old. (+) \$125,646

- Add a connection for mechanical cold water to plumbing back flow preventer and route cold water to after coolers in the ground floor mechanical room and existing first floor mechanical room. (+) \$51,482
- Rework the domestic water piping on first floor of Pavilion H to separate the piping to Surgery, on second floor above, from the NICU water service. This will allow surgery to remain on-line while NICU is constructed. (+) \$55,591
- Replace aging 6" and 8" underground domestic waterlines entering the east side of Pavilion H through the new construction. Relocate 12" sanitary line as required for drilling work. (+) \$64,344
- Provide demolition and disposal of the existing precast panels at the Gill Building level one. This is along the pedway on the west side of the existing courtyard where the new NICU first floor lobby ties into the existing building. (+) \$92,325
- Provide a value engineering credit for the deletion of eight automatic door operators and to change six doorframes from aluminum to hollow metal. (-) \$30,312
- Provide for removal and replacement of the affected sprinkler lines, rerouting of the domestic water supply and return, and rerouting of pneumatic controls associated with the enlargement of the existing door opening that leads from the ground floor of Pavilion H to the exterior courtyard. (+) \$25,400
- Revise door and fixed window integral blinds from those with an external crank wheel to those with a thumbwheel control. (+) \$29,795

Project 2402.8

Renovate/Upgrade UK HealthCare Facilities (Phase I-G)

- Revise integral blinds from those with an external crank wheel to those with a thumbwheel control. (+) \$38,381
- Revise lead lined room locations, number of shielded rooms, and shielding type as directed by the UK radiation physicist. (+) \$210,170

Project 2403.0

Construct, Expand, or Renovate Ambulatory Care Facility-UK HealthCare (Pediatric Hematology/Oncology - Pavilion H)

- Install casework that was not included in the original contract. (+) \$34,389

Project 2425.0

Construct Research Building Capital Project

- Install 130 linear feet of 15" storm drainage piping between two manholes. (+) \$42,297
- Provide and install additional plumbing vents, vent risers, wall hydrants, and grease waste piping associated with added food service and bike storage area that were added after the initial bids. (+) \$31,534
- Provide a credit for removal of the uninterruptible power supply (UPS) from scope because it was deemed redundant after a change was made to utilize local UPS. Also provides for deletion of the spare critical riser and redundant transformers. (-) \$462,272
- Provide for changes made to earlier bid packages including concrete, plumbing, and electrical elements due to design development decisions made during later bid packages. (+) \$282,126

- Add ground bar to new intermediate distribution frame (IDF) room, add circuit for pre-action cabinet, and add surge protective devices to all the life safety distribution. (+) \$54,047
- Modify structural concrete and masonry support due to design development decisions made during later bid packages. (+) \$51,990
- Replace and modify utilities associated with the construction of the tunnel under Limestone. (+) \$143,687
- Remove additional rock for the deep foundations supporting the retaining walls on the western sector the project. Also includes additional boring on 21 drilled piers. (+) \$41,433
- Modify the coil windings on all medium voltage transformers from aluminum to copper. (+) \$105,003
- Provide upgrades and modifications to the medium voltage distribution and metering systems resulting in a more reliable and robust electrical system in the building. (+) \$80,482

Action taken: Approved Disapproved Other _____

CAPITAL CONSTRUCTION CONTRACTS QUARTERLY ACTIVITY REPORT

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

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY REPORT

Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Major Projects
Capital Project Management Division
April 2017

Construct Baseball Facility Capital Project

Project Description:

The baseball program has grown significantly and the current facility is inadequate to meet the existing and future needs of the team and does not meet required specifications to host the Southeastern Conference or National Collegiate Athletic Association baseball tournaments. This project will initiate the design phase of the construction of a new baseball stadium on a new site along Alumni Drive. The new baseball facility will include seating for 4,500 spectators, locker rooms, offices, concessions, viewing suites, a practice infield, scoreboard, sport turf maintenance facilities, and a parking area.

Project Status:

All trade contracts have been assigned to the Construction Manager and construction has commenced. Earthwork and utility installation is progressing.

Construct Research Building Capital Project

Project Description:

This project will construct an approximately 300,000 gross square foot multidisciplinary research building to meet the current and future needs of world-class researchers. This state-of-the-art facility will attract and retain researchers who successfully compete for externally funded research. The building design will be flexible and open to provide modern space for multi-disciplinary research involving programs such as medicine, nursing, health sciences, pharmacy, psychology, agriculture, biology, chemistry and engineering. The flexibility of the labs will be carried into the office environment, allowing the occupants to easily modify the space to fit their changing needs. The project also includes supporting utility infrastructure work to expand the existing campus central utility system and serve the new building.

Project Status:

The project will be bid and constructed in six design release (DR) packages to support the design process and the schedule.

DR #1 Site Clearing and Mass Excavation - The contracts for DR #1 are now complete.

DR #2 – Foundation and Underground Utilities - The contracts for DR #2 are near completion. This work is now 98% complete. The remaining foundations to be installed are associated with the retaining walls establishing the sunken drive to the underground loading dock. This work continues on schedule.

DR #3A - Building Concrete Frame – This package contains the balance of the poured-in-place concrete structure for the project. The last elevated deck was poured the week of April 24, 2017. The concrete frame is now 95% complete. The remaining work includes housekeeping pads, stair treads, and other miscellaneous small pours that serve to detail the structure.

DR #3B – Core & Shell/Main MEP Systems/Site Improvements – This package includes the “skin” of the building, external and internal masonry elements, the structural steel frame for the connector, roofing, as well as fire protection, mechanical and electrical core elements. All the contracts in this package have moved thru the shop-drawing phase and are beginning installation. The installation of the skin began on the northeast sector of the building in early April 2017. This work will proceed south on the west elevation then move to the east elevation. Concrete masonry walls on the lower level, the stair tower enclosures, and elevator shafts is 90% complete. The work on the structural steel that forms the penthouse began in late March 2017 and is 50% complete. On completion of the penthouse steel in mid-May 2017, the erection crews will move to the steel structure that support the three-story connector with the BBSRB building. The roofing is scheduled to begin in mid-August 2017 as the steel decking installation nears completion. The installation of horizontal mechanical and electrical services passing over the basement spaces is underway. Significant runs of piping and conduit are in place throughout the basement. This work will continue up thru the structure in future months.

DR #4 Elevators – This work was awarded via an RFP to Thyssen Krupp. Engineering and shop drawing production for the two elevators in the package is complete.

DR #5 – Building Fit-Out – This package includes fit-up of two floors of the building as well as most common areas to include most horizontal mechanical and electrical systems supporting these areas. All the elements in this package are now under contract. The shop drawings and scheduling associated with these contracts is moving forward on schedule. The building information modeling (BIM) process is ongoing for this package. The data from the developing BIM model is being used to coordinate the openings and sleeves associated with the major mechanical and electrical systems passing thru the concrete frame. These contractors will begin to mobilize on site in late July 2017.

DR #6 CUP and Infrastructure. This package includes the purchase and installation of a new chiller for the Press Avenue plant, the purchase and installation of an additional generator for the BBSRB generator plant, and the installation of a utility spline from Press Avenue plant to existing piping and ductbanks near the intersection of Limestone and Leader Avenue. All work in the package is bid and the contracts are in place and within budget. The chiller was purchased via RFP and is scheduled for delivery in late July 2017. The emergency generator was also purchased via RFP and is scheduled for delivery in mid-October 2017.

The utility spline will be constructed from west to east to west beginning at the southeast corner of the existing plant. The first phase of this work began April 24, 2017. The second phase includes the crossing of Press Avenue and is scheduled to begin the second week of June 2017 when Press Avenue will be closed for excavation to begin. Press Avenue is scheduled to be reopened the second week in September 2017. At that time, the work will continue east toward Limestone along Leader Avenue. The pathway of the spline requires tunneling under Limestone near the Saunders-Brown Building. This work is under way and should be complete by late fall 2017. During the final phases of the construction, the two excavations will be joined to complete the chilled water, steam and high voltage connections thus providing redundant connections connecting the Press Avenue plant and the central system.

Construct/Expand/Renovate Ambulatory Care Facility - UK HealthCare Capital Project (Warren Wright Medical Plaza - First Floor)

Project Description:

This project will renovate the areas currently occupied by the Department of Orthopedic Surgery's clinic located on the first floor of the Warren Wright Medical Plaza Building. This renovation project will create more usable exam rooms; enhance patient and staff circulation; improve waiting areas; and upgrade the HVAC systems to current standards. These improvements also will support the consolidation of clinical services resulting in more efficient operations necessary to manage the increasing volume of patients.

Project Status:

The project was bid and awarded to Churchill McGee. The clinic relocated into a temporary location on May 1, 2017. Substantial completion is scheduled for November 2017.

Construct/Upgrade/Fit-Up Support Services UK HealthCare Capital Project (Good Samaritan Orthopaedic/Spine Services)

Project Description:

This capital project will renovate and upgrade areas currently occupied by the Orthopedic/Spine Clinic. The project also will provide much needed additional space as the recently vacated adjoining suite will be renovated and updated for the Clinic, for a total of 7,260 square feet. The renovation and expansion will create more usable exam rooms; enhance patient and staff circulation; improve waiting areas; and provide a new x-ray suite (a service not currently available within the Good Samaritan Medical Office Building.) These improvements will allow the consolidation of clinical services resulting in more efficient and accessible service to patients. The construction will be phased into two sections to allow patients to be seen in the current clinic without interruption.

Project Status:

The final phase achieved substantial completion in April 2017.

Emergency Replacement of Central Heating Plant Boilers Capital Project

Project Description:

On March 27, 2015, the University's Central Heating Plant suffered a severe fire rendering two boilers inoperable. The status of the second boiler is questionable, but may require replacement as well. These boilers are a significant component of the campus heating infrastructure capacity and their inoperability compromises our ability to heat the campus for the next heating season.

Project Status:

Demolition and construction were approved and the project commenced in March of 2017. Abatement and demolition continues. The boilers have shipped and are anticipated to arrive on campus in June 2017.

Expand/Renovate/Upgrade Law Building Capital Project

Project Description:

This project will include programming and design of the full renovation of the existing facility with a 34,000 GSF addition. The upgraded facility will include modern spaces for the following functions: large and small courtrooms, upgraded library space, classrooms, signature student spaces, and space for student organizations, faculty offices, law clinics and administration.

Project Status:

Design development has been completed for the project to renovate and expand the College of Law Building. The project is scheduled to bid in multiple bid packages, with an early package for abatement and demolition to occur after the 2017 Spring Semester and the large bid package to bid in mid-Oct. 2017. Construction will be completed in the summer of 2019, in time for occupancy for the 2019 Fall Semester. The project is currently on schedule and in budget.

Renovate/Improve Athletics Facility Capital Project (Joe Craft Center Locker Room)

Project Description:

The renovation of the men's basketball locker room/lounge will include numerous enhancements to improve the functionality of the existing space to better meet the needs of current student-athletes as well as attract the highest caliber athletes to represent the University of Kentucky. This project will incorporate the existing player locker and shower space, lounge area, and team meeting room into one multi-functional space to provide a first-class environment and enhance the student-athlete experience. These elements include a more open floor plan that enhances the use of this space on a day-to-day basis, as well as keeping current for a program of this stature. These improvements will also provide a nutrition and hydration component that was not included when the facility was constructed due to NCCA regulations at that time.

Project Status:

This project recently bid and is within budget. Substantial completion is scheduled for December 2017.

Renovate Third Floor F. Paul Anderson Tower Capital Project

Project Description:

The James and Gay Hardymon Center for Student Success will be a central place where engineering students can access all of the College's student services. Project includes interior renovations to existing third Floor of the F. Paul Anderson Tower. Project is relocating various student affairs support services currently spread out across the Engineering College campus, onto one floor. The Student Services Center will occupy approximately 10,000 square feet of renovated space recently vacated by the Engineering Library. The Center will house the College's Office for Student Advising, Office of Career Services and Student Records. The Center will also provide students computer and tutoring labs and additional study space. An alternate is also included to renovate a portion of the ground floor of the F. Paul Anderson Tower

Project Status:

A construction contract was awarded to Marrillia Design & Construction in February 2017. Demolition is complete and overhead mechanical, electrical, & plumbing (MEP) continues, along with installation of partition walls. Substantial completion is scheduled for August 2017.

Renovate Academic/Administrative Space: Nutter Football Training Facility Capital Project

Project Description:

The Nutter Football Training Facility will be vacated in the summer of 2016 when the UK Football program moves into the new Training Center thus making space available for other programs. This project will renovate approximately 53,541 square feet of the Nutter Football Training Facility for the Sports Medicine Research Institute and repurpose space for Track and Field, Golf, and Gymnastics. The Sports Medicine Research Institute (SMRI) focuses on prevention and treatment of sports injuries and concussions, performance optimization, musculoskeletal health and rehabilitation, metabolism, and neuro-cognition. The renovated space will include centralized assessment and testing space, a physiology area, group work areas, a reception/waiting area, and an entrance for the SMRI. Selective building demolition is required to repurpose several building areas for new offices and dry lab areas for the SMRI. Athletics renovations include offices, coaches' locker room, training rooms, storage, weight room, and nutrition areas. Minor renovations consist of, but are not limited to, paint, ceiling tiles, floor finishes, and casework.

Major renovations include, but are not limited to, new walls, doors, ceilings, mechanical, electrical, and plumbing (MEP). Additionally, two existing skylights will be replaced and mechanical and electrical systems upgraded to applicable codes and standards.

Project Status:

Project achieved substantial completion in April 2017.

Renovate Lucille Little Library Capital Project

Project Description:

The Hanban/Confucius Institute Headquarters of China is a public institution affiliated with the Chinese Ministry of Education and provides Chinese language and cultural teaching resources and services worldwide. The University of Kentucky Confucius Institute was established in 2010 as a center for Chinese language, culture, art, and business and a gateway to China for the University. It has been recognized as Confucius Institute of the Year in 2012 and 2014, one of 15 awards given annually to more than 400 Confucius Institutes worldwide in 115 countries. The University of Kentucky has committed to renovate a portion of the ground floor of the Lucille Little Library for the Confucius Institute for a period of not less than 25 years. The dedicated area consists of approximately 6,200 square feet of interior space and 1,800 square feet of exterior space.

Project Status:

Final landscaping and exterior site work is nearing completion. A punchlist was conducted on April 18, 2017. The project is scheduled to be substantially complete in May 2017.

Renovate/Expand Clinical Services Capital Project - William W. Willard Medical Education Building (College of Medicine Support Space)

Project Description:

A review of the existing College of Medicine space of this building has identified several opportunities for repurposing of outdated laboratory, office, and conference room spaces. These spaces lack the basic infrastructure that is required to meet today's standards. The infrastructure limits include wired and wireless computer network capacity and reliable major equipment, such as autoclaves and freezers. Additionally, the HVAC systems cannot support the required temperature levels in the laboratories or cold rooms and reconfiguration of the laboratories is hampered by the type of casework that is in place. All these factors make continued use of the space as laboratories impractical, and the non-laboratory space cannot be utilized fully without being upgraded. The planned renovation will return these spaces to highly functional space such as faculty and staff offices, study spaces, and meeting rooms. In addition to this first phase of renovations, an overall master plan for implementation of needed future renovations will be developed.

Project Status:

This project achieved substantial completion in January 2017.

Renovate/Expand Student Center Capital Project

Project Description:

The University's Student Center was originally constructed in 1938 and expanded in 1968 and 1982. The Student Center is heavily used by the entire University community with over 2,000,000 visitors annually. However, the approximately 260,000 square foot facility is no longer able to fully meet the needs of students, faculty, staff and other constituents in terms of quantity and quality of space. This project will include selective demolition, expansion and renovation of the Student Center. Alumni Gym will be renovated and incorporated into the new Student Center. The project is expected to expand the University's Student Center to more than 378,000 square feet and will include an atrium, recreation area, lounges, conference facilities, entertainment venues, retail space, food service, bookstore, student organization space and administrative support offices.

Project Status:

Awards are underway for bid package #5 trade categories, branding and signage. Roofing, interior fireproofing and acoustical spray insulation continue, along with interior wall layouts, mechanical, electrical, & plumbing (MEP) rough-ins, interior finishing, exterior wall framing and enclosures. Site work has begun in some areas. Work has been re-sequenced to expedite the completion of the all you can eat dining (AYCE) area. AYCE to be completed early January 2018. The remaining phases are anticipated to be open in March 2018.

Renovate/Improve Clinical/Ambulatory Services Capital Project (Otolaryngology)

Project Description:

This project will renovate the areas on the third floor of the Medical Plaza Building for the Department of Otolaryngology commonly referred to as Ear, Nose, and Throat (ENT). Improvements include more usable exam rooms, enhanced patient and staff circulation, improved waiting areas, and upgraded HVAC systems.

Project Status:

Design Development/Construction Document design meetings continue; the anticipated completion for design is June 1, 2017. Bidding is scheduled for mid-July 2017.

Renovate/Improve Clinical/Ambulatory Services Capital Project (Brachytherapy)

Project Description:

The current Brachytherapy suite in the basement of the Roach Cancer Care Facility (Markey) was not upgraded as part of the Radiation Medicine capital project completed in 2009. The new space in Chandler Hospital will be renovated and expanded to create updated procedural and treatment space with state of the art equipment. The renovations will enhance patient care areas, create efficient staff space, and upgrade the HVAC and electrical systems to support the services.

Project Status:

Schematic design will be complete in May 2017.

Relocate/Upgrade Athletics Playing Field Capital Project (Soccer Practice Field)

Project Description:

This project will replace and relocate the Soccer Practice Field for the University's Soccer Program. The current soccer practice field is inadequate and needs to be replaced to meet the existing and future needs of the program. Additionally, the location of the current soccer practice field is inconsistent with the Athletic Department's facility plans, as it needs to be relocated to accommodate the construction of the new Baseball Facility at Alumni Drive and College Way. This project will include upgrading the soccer practice field with natural turf and lighting to better accommodate practice.

Project Status:

Bids were received and were within the project construction budget. The low-bidder was awarded a contract in April 2017 and construction has commenced.

Design/Renovate/Upgrade Hospital Facilities – Good Samaritan Capital Project

Project Description:

This project will address the needs of the patient population and the clinical services offered at Good Samaritan. Specific elements will include expanded service capabilities, private patient rooms, improved staff support spaces and enhanced patient and family waiting space. The scope will include renovating approximately 12,090 square feet of the existing Good Samaritan Emergency Department, as well as expand patient and family waiting by adding 1,250 square feet to the existing 344 square feet waiting room. The construction will be phased into multiple segments to allow patient care to continue throughout the renovation, which is scheduled to last 21 months.

Project Status:

Substantial completion for Phases 3 & 4 was achieved on April 21, 2017. The contractors have erected infection control and safety barriers for Phase 5A. Demolition work has begun. Substantial completion for this phase is scheduled for May 30, 2017. Upon completion, renovation of Phase 5B will begin, with substantial completion scheduled for August 18, 2017.

Renovate/Upgrade UK HealthCare Facilities (Phase I-G) – 11th Floor Fit-Up

Project Description:

This project will fit-out patient floor 11 in Pavilion A. This will include 63 patient rooms; 24 ICU rooms, and 39 acute care rooms with all staff support and ancillary spaces to provide a fully functioning patient floor. The 11th floor is programmed to be a cancer treatment floor.

Project Status:

Work progresses on schedule. Framing is complete. Drywall installation and finishing has completed in the west tower. Final finishes, casework, doors, and mechanical, electrical, and plumbing (MEP) trim out has started. In the east tower drywall hang and finishing is nearing completion. MEP rough in is drawing to a close as well. Air handling units (AHU's) are installed and the controls are currently being finalized. Substantial completion currently is scheduled for October 2017.

Renovate/Upgrade UK HealthCare Facilities (Phase I-F) - Kentucky Children's Hospital NICU

Project Description:

The re-development of existing facilities in Pavilion HA is necessary for Kentucky Children's Hospital to establish a modern, state-of-the-art facility for Kentucky's pediatric health care needs. This space will allow for development of pediatric outpatient and family support services and will replace the outdated and undersized NICU with space consistent with today's standard of care for delivery of pediatric health care.

Project Status:

All structural steel is in place and ready for fireproofing. The elevator shafts being constructed in Pavilion HA are nearing completion. Interior framing in the renovated spaces is nearly complete and mechanical, electrical, and plumbing (MEP) rough in is progressing nicely. Installation of modular headwalls has started. Concrete masonry (CMU) construction is nearly complete. The scheduled date for substantial completion is February 2018.

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) – Fit-up 5th & 12th Floors Pavilion A

Project Description:

The Albert B. Chandler Hospital facilities development plan provides for the systematic replacement and renovation of patient care facilities. Since the opening of the first two patient care floors in Pavilion A of the new Patient Care Facility in May 2011, UKHealthCare (UKHC) has continued to experience strong patient demand for the delivery of its hospital system services. This volume increase has placed substantial capacity constraints on UK inpatient hospital operations. This project will help alleviate these constraints and includes the fit-up of the fifth and twelfth floors for inpatient services. This project will provide 128 inpatient beds, including 48 ICU beds.

Project Status:

The project is currently in the schematic design phase. UK HealthCare Office of Facilities Planning & Development (OFPD) is identifying user groups that will participate in the design.

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) – Phase 2 Radiology Pavilion A

Project Description:

The Radiology Phase 2 project requires the fit out of approximately 5,800 square feet of shell space on the Ground floor of Pavilion A of Chandler Hospital. This will include scan rooms as well as staff and support spaces.

Project Status:

Stengel Hill Architecture is proceeding with design activity. The schematic design is complete and a review meeting was held on April 24, 2017.

Renovate/Upgrade UK HealthCare Facilities (Phase I-G) –Surgery Phase 1-3A

Project Description:

This project will fit-out 10,200 SF of shell space on the second floor of Pavilion A to expand the existing Surgery Department. This will include five operating rooms (OR's), a Hybrid OR, and support spaces. An additional 15,558 SF of shell space will be fit-out for use as a pre-op/post-anesthesia care unit (PACU) to support the new surgery space.

Project Status:

Construction began in February 2017. Wall layout and building information modeling (BIM) is progressing. Rough in of utilities is moving forward per schedule. Submittals are under review and materials are ordered after approval. The owner furnished air-handling unit (AHU) will deliver in late June 2017.

Repair/Upgrade/Improve Building Mechanical Systems Capital Project (Dickey Hall)

Project Description:

This project will replace the heating ventilation and air conditioning (HVAC) in Dickey Hall. KJWW Engineering completed an assessment of the existing HVAC systems servicing Dickey Hall in March 2016. The study found that the mechanical system is inefficient and does not provide reliable comfort for the building's occupants. The HVAC and lighting renovation of Dickey Hall consists of new water-cooled Variable Refrigerant Flow systems with 3-pipe heat recovery. A 100% Dedicated Outdoor Air System with steam heat coil providing treated outdoor air to entire building. LED lighting has been added to most spaces. Dimmers and occupancy sensors are included in lighting design. Building wet sprinkler system added to entire building and fire alarm system upgrades are provided. Generator provides emergency power for life safety and freeze prevention in winter. New BMS with DDC controls system provided for entire building to connect to Delta Room. New ceilings and rework of existing ceilings are included in project.

Project Status:

A construction contract was awarded to Marrillia Design & Construction in March 2017. Submittal approval and material procurement continues. Construction will begin May 8, 2017. Substantial Completion is scheduled for August 2017.

Repair/Upgrade/Improve Building Systems - UK HealthCare Capital Project (Roach Air Handling Unit S-1)

Project Description:

This project will replace air-handling unit (AHU) S-1 in the Ben F. Roach Cancer Care Facility. This AHU is 32 years old and in poor mechanical condition. It supports the second floor of the building which is a clinical area. Replacement of the unit is necessary to ensure air quality, meet regulatory requirements, and to maintain the interior environment without temperature fluctuation.

Project Status:

This project achieved substantial completion in March 2017.

Upgrade/Relocate Pediatric Critical Care Unit (Phase III)

Project Description:

This sub-project will renovate existing space in the Pediatric Critical Care Unit. The scope includes but is not limited to the removal of existing doors, casework, flooring, ceiling and miscellaneous finishes, with a very limited number of walls being removed. The scope further includes the installation of new doors, casework, flooring, ceiling and miscellaneous finishes. This project is a continuation of previously conducted phases and will match as closely as possible the established brand.

Project Status:

The Certificate of Occupancy was granted by the UK Fire Marshal's office on March 16, 2017.

Upgrade/Renovate/Expand Grain Center of Excellence Capital Project

Project Description:

This project is funded by a grant from the Kentucky Agriculture Development Funds for a scope of \$15,000,000. Funding will occur in three phases: Development, Specification and Bidding. The project will renovate and expand the UK Research and Education Center located in Princeton, Ky. The facility will be expanded by an additional 20,000 square feet. Renovations will cover approximately 38,000 square feet as needed to tie the current facility into the expansion. The project includes upgrades and replacement of floor and ceiling tiles, windows, entrances, lighting, HVAC system, fume hoods, fire alarm, and roof of existing structure.

Project Status:

A design contract was awarded to JRA Architects in January 2017. Programming is complete and the schematic design phase nears completion. Substantial Completion is scheduled for April 2019.

Construct/Expand/Renovate Ambulatory Care Facility – Kentucky Clinic Medical Plaza (Second Floor Medicine Clinic)

Project Description:

This project will renovate the Medicine Clinic located on the first floor in the original section of the Kentucky Clinic (Medical Plaza). This renovation will create more usable exam room space, enhance patient and staff circulation, improve waiting areas, and upgrade HVAC systems to current standards.

Project Status:

Programming meetings continue.

Renovate/Improve UK Good Samaritan Hospital Facilities Capital Project (Replace Air Handling Units)

Project Description:

Patient areas on the first, third, and fifth floors are heated and cooled by the #24 air-handling unit while the operating rooms on the fifth floor are serviced by the #54 roof top air handling unit. The replacement of the 33-year-old units will ensure patient safety and comfort, air quality, and compliance with regulatory requirements.

Project Status:

Consultant has been selected and contract has been drafted for execution.

Lewis Hall

Project Description:

This project makes up the Phase III-B development of the partnership between the University of Kentucky and Education Realty Trust (EdR) to replace on-campus undergraduate student housing. This building, Lewis Hall, is a five (5)-story building that will provide undergraduate housing for honors students. It also includes 20,050 square feet of fit-out space for the Lewis Honors' College. The building includes 346 beds. This building will sit on the corner of Hilltop Drive and University Drive.

Project Status:

Interior finishes are in progress. Granite vanity tops are being installed as masonry work continues on the west façade. Roofing work is in progress over the Honor's fit-out space. This project is scheduled for substantial completion in the summer of 2017.

Renovate/Expand Clinical Services Capital Project - William R. Willard Medical Education Building (College of Medicine Library)

Project Description:

This project is the first of four phases of the College of Medicine Library renovation. This phase will renovate 7,000 gross square feet on the lower level of the existing College of Medicine Library. The space is to be gutted and reconstructed with learning and study spaces for students and faculty.

Project Status:

Champlin Architects were selected for design and fee negotiations are underway.

Renovate/Improve UK HealthCare Facilities Capital Project (Simulation Center)

Project Description:

This project will renovate vacant space on the second floor of Pavilion H to create an expanded inter-professional state-of-the-art simulation center for the training of medical students, medical residents, faculty and staff. The new UK HealthCare Simulation Center for Advanced Clinical Skills will include a multipurpose room for task simulation (learning discrete skills) and rooms designed to simulate care environments. Further, the Center will expand simulation opportunities with the inclusion of new high fidelity simulators, task simulators, and Advanced Cardiac Life Support (ACLS) manikins.

Project Status:

EOP Architects was selected as the designer for this project. The contract was finalized and sent to LRC in April 2017. Programming is underway. Schematic design will begin in May 2017.

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) – Interventional Services Pavilion A, H, & G

Project Description:

The Interventional Services project requires the fit out of approximately 35,000 square feet of shell space on the First floor of Pavilion A of Chandler Hospital. This will include procedure rooms, prep/ recovery, as well as staff and support spaces. Also included will be an Endoscopy project that requires the refurbishment of approximately 14,000 square feet on the third floor of Pavilion H.

Project Status:

This project was advertised for proposals for design services concurrently with the Obstetrical Services project. We received eight responses and interviewed three firms. GBBN/HGA has been selected as project consultant and the contract is in process.

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) – Obstetrical Services Pavilion HA & H

Project Description:

The Obstetrical Services project requires the renovation of approximately 30,000 square feet on the third floor of the existing Pavilion HA (CCC addition) of the Chandler Hospital.

Project Status:

This project was advertised for proposals for design services concurrently with the Interventional Services project. We received eight responses and interviewed three firms. GBBN/HGA has been selected as project consultant and the contract is in process.

University Flats

Project Description:

This project is the Phase III-A development of the partnership between the University of Kentucky and Education Realty Trust (EdR) to replace on-campus undergraduate and graduate student housing. This building will be divided by a separation wall to provide undergraduate housing on one side that will be separated from graduate housing on the other side. The building will be seven stories high, with 771 beds, including 59 studio apartment units. This building will sit on a green field between the Blanding Complex and University Drive.

Project Status:

Interior finishing and trim out are in progress. Exterior site and utility work are in progress.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Academic Science Building

Project Number: 2363.00

Scope: \$112,000,000

Project Description:

This project will construct a new Academic Science facility. The new facility will house most of the introductory science laboratory courses allowing students to learn the commonalities of multiple science disciplines in an interdisciplinary fashion and model "team problem-solving". The facility will be student oriented, having an open environment that encourages interaction and collaboration beyond the classroom. The new building will also contain premier interdisciplinary undergraduate science teaching labs and classrooms as well as student commons space, group and individual study rooms, and other amenities. The project also includes 49,500 gross square feet of shelled research space.

Consultant: JRA Architects

Contract # A131210

Total Amendments to Date: 2

Original Contract Amount: \$7,445,842

Cumulative Amendment Amount: \$912,575

Describe all amendments :

Revised Contract Amount: \$8,358,417

Amendment 1, 4/14/15, an increase of \$751,250 was approved for additional design of bid packages not originally envisioned at the start of the project. These include relocation of the occupants of Wenner Gren into the Multi-Disciplinary Science building, long lead delivery coordination affecting elevators and structural steel frame, and the academic fit-up of six shelled rooms due to favorable bids to date. **Amendment 2**, 2/9/16, an increase of \$102,000 was approved for additional design services related to building wayfinding, donor signage, and backfilling of vacated space. **Amendment 3**, 8/16/16, was approved for an increase of \$59,325 to provide for additional interactive media design, development, and installation. This includes the touchscreens for the atrium and hallways. **No amendments this quarter.**

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

Contract # 7500019604``

Total Change Orders to Date: 214

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount: \$85,421,941

Cumulative Change Order Amount: \$6,240,444

Revised Contract Amount: \$91,662,385

Contract Percent Complete: 99%

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

Change Order # 17, 8/8/14, was approved for an increase of \$250,260 to provide for disposal and oversight of disposal of non-friable asbestos discovered within the exterior cavity of Donovan Hall during demolition, as well as disposal of impacted materials such as exterior brick and portions of the concrete frame. **Change Order # 19**, 12/21/14, was approved for an increase of \$27,198 to provide for handling and disposal of non-friable asbestos discovered in the roof of the Werner Gren Addition and the parapet of the original Wenner Gren building. **Change Order # 22**, 12/21/14, was approved for an increase of \$27,278 to provide third party oversight and sampling/monitoring provided by Sierra Environmental during asbestos abatement and disposal on Donovan Hall as well as numerous locations of site utilities. **Change Order # 26**, 5/18/15, was approved for a decrease of \$76,017 to provide vertical sashes for the bench-top fume hoods and demonstration hoods, in lieu of combination sashes that are not necessary for the end user. **Change Order # 31**, 7/30/15, was approved for a decrease of \$56,083 to provide a credit to omit the work for the temporary sidewalk installation along the west elevation of Haggin Hall. **Change Order # 33**, 8/5/15, was approved for an increase of \$113,851 provide for the addition of a rainwater and condensate collection system to supply an irrigation system. **Change Order # 34**, 8/5/15, was approved for an increase of \$79,600 to replace the lighting fixtures in office spaces with pendant fixtures to provide aesthetic and serviceability consistency with the other lighting throughout the floor. **Change Order # 35**, 8/31/15, was approved for an increase of \$439,767 to complete the mechanical work associated with fit-up of an additional six rooms and four mechanical closets of shell space. **Change Order # 36**, 8/31/15, was approved for an increase of \$303,728 to complete the electrical work associated with fit-up of an additional six rooms and four mechanical closets of shell space. **Change Order # 37**, 8/14/15, was approved for an increase of \$38,862 to provide and install additional basement underslab

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

drainage and corresponding sump system. **Change Order # 38**, 8/31/15, was approved for an increase of \$193,004 to provide laboratory equipment and casework associated with fit-up of an additional six rooms and four mechanical closets of shell space. **Change Order # 39**, 8/31/15, was approved for an increase of \$311,423 to complete the interior construction associated with fit-up of an additional six rooms and four mechanical closets of shell space. **Change Order # 40**, 8/28/15, was approved for an increase of \$126,310 to provide additional occupancy sensors to one hundred eighteen fume hoods. This will increase HVAC efficiency and reduce energy consumption costs with a four year payback. **Change Order # 41**, 8/28/15, was approved for an increase of \$67,139 to provide supplemental structural steel framing masonry relief required to support the masonry construction along the column line that extends back over the building low roof. **Change Order # 44**, 10/02/15, was approved for an increase of \$39,126 to furnish and install spray applied fire resistant material (SRFM) on the vertical support sections of the exterior pier that are partially exposed to the weather. **Change Order # 45**, 10/02/15, was approved for an increase of \$26,973 to provide for the addition of roof leading piping in the smaller lecture halls. No continuation for the roof leaders was shown to the roof drains. **Change Order # 51**, 11/18/15, was approved for an increase of \$88,036 to make electrical modifications allowing electrical outlets inside the fume hoods instead of outside the fume hoods. **Change Order # 53**, 11/19/15, was approved for an increase of \$34,781 to remove existing sawtooth relief angles and provide new sawtooth relief angles on the lecture hall wing of the building. **Change Order # 56**, 12/15/15, was approved for an increase of \$87,640 to add a redundant chilled water pump for optimal system performance and maintainability. **Change Order # 58**, 12/15/15, was approved for an increase of \$54,608 to add an additional laboratory exhaust fan and associated ductwork. **Change Order # 61**, 12/15/15, was approved for a decrease of \$60,418 to provide a credit for changes in the audio-visual equipment providing both better technology and a cost savings. **Change Order # 62**, 12/15/15, was approved for an increase of \$84,175 to provide hand crafted rake joints to provide the best overall aesthetic. **Change Order # 63**, 12/15/15, was approved for an increase of \$48,018 to provide additional additional support for the brick veneer above the curtainwall framing for both stairs c and d. **Change Order # 66**, 12/16/15, was approved for an increase of \$94,448 to realign the storm pipe due to the found condition of existing infrastructure obstructing the proposed storm sewer route. **Change Order # 67**, 1/14/16, was approved for an increase of \$580,543 to change both the terracotta supplier and manufacturer, as well as the design details for the terracotta pier elements. The original materials specified were deemed as unacceptable after incorporation into the project mock-up. **Change Order # 69**, 1/29/16, was approved for an increase of \$168,926 to provide a fully constructed fit-out of the server room in lieu of leaving as shelled space due to favorable bid results. **Change Order # 70**, was approved for an increase of \$61,624 to provide a fully constructed fit-out of the Axolotl tank display in lieu of leaving as shelled space due to favorable bid results. **Change Order # 73**, 1/29/16, was approved for an increase of \$48,748 to revise partition wall to continue to the underdeck. **Change Order # 74**, 2/3/16, was approved for an increase of \$129,612 to fit-out the media wall and provide miscellaneous updates to the audio-visual in other locations. **Change Order # 75**, 2/2/16, was approved for an increase of \$36,038 to provide two additional emergency power panels and two additional temperature sensors. **Change Order # 79**, 2/11/16, was approved for an increase of \$157,469 to provide the required cooling system and miscellaneous electrical components for the newly added audio-visual medial wall. **Change Order # 86**, 3/30/16, was approved for an increase of \$165,720 to revise generator exhaust piping, the loading dock screen wall, and related site and site utilities allowing a back up generator for life safety systems at Haggin Hall to be added. The additional generator will route through the same chase as the Academic Science building generator. **Change Order # 150**, 7/11/16, was approved for an increase of \$27,792 to modify the interior of select laboratory casework to provide ventilated doors, and to modify the AV equipment racks. **Change Order # 164**, 7/27/16, was approved for an increase of \$26,647 to provide an improvement over the original specification that allows for the use of make-up water for the rainwater harvest system. **Change Order # 182**, 9/12/16, was approved for an increase of \$177,371 to provide donor signage in preparation of building dedication. **Change Order # 200**, 10/31/16, was approved for an increase of \$30,000 to provide and install miscellaneous steel support not clearly identified on the structural steel drawings. **Change Order # 211**, 1/3/17, was approved for an increase of \$34,382 to complete the finishes for a portion of the hallway in Corridor 100K, located in the current shell space, to provide access to family toilet #160. **Change Order # 212**, 1/6/17, was approved for a decrease of \$197,253 to provide a credit for a portion of work, including relocation of the existing transformers along Rose Street, that was added in a previous change order. The work will no longer be completed during this phase of the project.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Baseball Facility Capital Project

Project Number: 2437.00

Scope: \$49,000,000

Project Description:

The baseball program has grown significantly and the current facility is inadequate to meet the existing and future needs of the team and does not meet required specifications to host the Southeastern Conference or National Collegiate Athletic Association baseball tournaments. This project will initiate the design phase of the construction of a new baseball stadium on a new site along Alumni Drive. The new baseball facility will include seating for 4,500 spectators, locker rooms, offices, concessions, viewing suites, a practice infield, scoreboard, sport turf maintenance facilities, and a parking area.

Consultant: RossTarrant Architects, Inc.

Contract # A161110

Original Contract Amount: \$3,078,800

Total Amendments to Date: 1

Cumulative Amendment Amount: \$342,916

Describe all amendments :

Revised Contract Amount: \$3,421,716

Amendment 1, 1/30/17, an increase of \$342,916 was approved for scope revisions, combining DR1 and DR2 construction documents into one design release, concept design work for future phase 2 indoor practice facility, wayfinding, and environmental graphic design coordination, extended construction administrative services due to overall construction duration being extended, and video animation.

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

Contract # 7500071556

Original Contract Amount: \$37,622,378

Total Change Orders to Date: 8

Cumulative Change Order Amount: -\$506,113

Low Bid:

Revised Contract Amount: \$37,116,264

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.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Research Building Capital Project

Project Number: 2425.00

Scope: \$170,185,000

Project Description:

This project will construct an approximately 300,000 gross square foot multidisciplinary research building to meet the current and future needs of world-class researchers. This state-of-the-art facility will attract and retain researchers who successfully compete for externally funded research. The building design will be flexible and open to provide modern space for multi-disciplinary research involving programs such as medicine, nursing, health sciences, pharmacy, psychology, agriculture, biology, chemistry and engineering. The flexibility of the labs will be carried into the office environment, allowing the occupants to easily modify the space to fit their changing needs. The project also includes supporting utility infrastructure work to expand the existing campus central utility system and serve the new building.

Consultant: Champlin Architecture

Contract # A151270

Original Contract Amount: \$11,397,600

Total Amendments to Date: 2

Cumulative Amendment Amount: \$2,201,245

Describe all amendments :

Revised Contract Amount: \$13,598,845

Amendment 2, 1/18/17, an increase of \$143,745 was approved for additional design and construction administration associated with modifications of water services for two university building on Leader Avenue. Also included are additional allowances for land surveying, subsurface investigation, pre-coring of borings, and special inspections.

Contractor: The Whiting-Turner Contracting Company

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

Contract # 7500057013

Original Contract Amount: \$120,116,948

Total Change Orders to Date: 42

Cumulative Change Order Amount: \$1,088,247

Low Bid:

Revised Contract Amount: \$121,205,195

High Bid:

Contract Percent Complete: 20%

Number of Bids:

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

Change Order # 9, 8/19/16, was approved for an increase of \$53,318 to modify routing and pipe fittings on the acid dilution tank to avoid the caisson and the abandoned dilution tank. Change Order # 10, 8/17/16, was approved for a decrease of \$36,288 to provide a credit for site storm drainage structures and piping not installed at the retention pond near Press Avenue. Change Order # 11, 9/19/16, was approved for an increase of \$59,250 to provide selective brick demolition allowing for construction of the new green roof plaza. Change Order # 12, 10/7/16, was approved for a decrease of \$46,324 to provide a credit for revisions to underslab plumbing to conform to the final architectural drawings. Change Order # 19, 12/12/16, was approved for an increase of \$149,151 to install additional permanent steel casings as required for the deep foundations of the structure due to found subsurface conditions. Change Order # 22, 1/10/17, was approved for an increase of \$42,297 to install 130 linear feet of 15" storm drainage piping between two manholes. Change Order # 23, 2/1/17, was approved for an increase of \$31,534 to provide and install additional plumbing vents, vent risers, wall hydrants, and grease waste piping associated with added food service and bike storage area that were added after the initial bids. Change Order # 24, 2/13/17, was approved for a decrease of \$462,272 to provide a credit for removal of the uninterruptible power supply (UPS) from scope because it was deemed redundant after a change was made to utilize local UPS. Also provides for deletion of the spare critical riser and redundant transformers. Change Order # 25, 2/8/17, was approved for an increase of \$281,126 for changes made to earlier bid packages including concrete, plumbing, and electrical elements due to design development decisions made during later bid packages. Change Order # 26, 2/8/17, was approved for an increase of \$54,047 to add ground bar to new intermediate distribution frame (IDF) room, add circuit for pre-action cabinet, and add surge protective devices to all the life safety distribution. Change Order # 27, 2/13/17, was approved for an increase of \$51,990 to modify structural concrete and masonry support due to design development decisions made during later bid packages. Change Order # 28, 2/16/17, was approved for an increase of \$143,687 to replace and modify utilities associated with the construction of the tunnel under Limestone. Change Order # 30, 3/1/17, was approved for an increase of \$41,433 to remove additional rock for the deep foundations supporting the retaining walls on the western sector the project. Also includes additional boring on 21 drilled piers. Change Order # 32, 3/8/17,

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

was approved for an increase of \$105,003 to modify the coil windings on all medium voltage transformers from aluminum to copper. Change Order # 33, 3/30/17, was approved for an increase of \$80,482 to provide upgrades and modifications to the medium voltage distribution and metering systems resulting in a more reliable and robust electrical system in the building.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct/Expand/ Renovate Ambulatory Care Facility-UKHC (Pediatric Hematology/Oncology - Pavilion H)

Project Number: 2403.00

Scope: \$1,610,000

Project Description:

Pediatric Hematology/Oncology services are currently located on the second floor of the Kentucky Clinic. This capital project will renovate space on the fourth floor of Pavilion H to relocate Pediatric Hematology/Oncology services. The renovation will create pediatric exam room space and locate Pediatric Hematology/Oncology services in proximity to other pediatric services also on the fourth floor of Pavilion H. This project will result in enhanced overall coordinated care for children.

Consultant: Moody Nolan

Contract # A16100ZZ

Original Contract Amount:

\$41,200

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$41,200

No amendments this quarter.

Contractor: Marrillia Design & Construction

Contract # 7500079965

Original Contract Amount:

\$1,195,000

Total Change Orders to Date: 11

Cumulative Change Order Amount:

\$75,692

Low Bid: \$1,195,000

Revised Contract Amount:

\$1,270,692

High Bid: \$1,389,000

Contract Percent Complete:

99%

Number of Bids: 3

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

Change Order # 5, 11/11/16, was approved for an increase of \$34,389 to install casework that was not included in the original contract. **No change orders greater than \$25,000 this quarter.**

Construct/Expand/Renovate Ambulatory Care Facility - UKHC Capital Project(Warren Wright Medical Plaza - First Floor)

Project Number: 2433.00

Scope: \$3,300,000

Project Description:

This project will renovate the areas currently occupied by the Department of Orthopedic Surgery's clinic located on the first floor of the Warren Wright Medical Plaza Building. This renovation project will create more usable exam rooms; enhance patient and staff circulation; improve waiting areas; and upgrade the HVAC systems to current standards. These improvements also will support the consolidation of clinical services resulting in more efficient operations necessary to manage the increasing volume of patients.

Consultant: Champlin Architecture

Contract # A161100

Original Contract Amount:

\$239,900

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$19,450

Describe all amendments :

Revised Contract Amount:

\$259,350

Amendment 1, 10/24/16, an increase of \$19,450 was approved for additional design services to reduce the number of construction phases from five to one, as well as retrofit a temporary clinic to be used during the renovation of the Orthopaedic Clinic. **No amendments this quarter.**

Contractor: Churchill McGee, LLC

Contract # 7500104040

Original Contract Amount:

\$1,752,000

Total Change Orders to Date: 1

Cumulative Change Order Amount:

\$6,854

Low Bid: \$1,758,854

Revised Contract Amount:

\$1,758,854

High Bid: \$2,726,150

Contract Percent Complete:

Number of Bids: 8

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct/Upgrade/Fit-up Support Services - UK Healthcare Capital Project (Good Samaritan Orthopedic/Spine Services)

Project Number: 2453.00

Scope: \$1,500,000

Project Description:

This capital project will renovate and upgrade areas currently occupied by the Orthopedic/Spine Clinic. The project also will provide much needed additional space as the recently vacated adjoining suite will be renovated and updated for the Clinic, for a total of 7,260 square feet. The renovation and expansion will create more usable exam rooms; enhance patient and staff circulation; improve waiting areas; and provide a new x-ray suite (a service not currently available within the Good Samaritan Medical Office Building.) These improvements will allow the consolidation of clinical services resulting in more efficient and accessible service to patients. The construction will be phased into two sections to allow patients to be seen in the current clinic without interruption.

Consultant: JRA Architects

Contract # A161000BB

Original Contract Amount: \$39,480

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$39,480

No amendments this quarter.

Contractor: Eubank & Steele

Contract # 750007900

Original Contract Amount: \$632,750

Total Change Orders to Date: 21

Cumulative Change Order Amount: \$149,792

Low Bid: \$632,750

Revised Contract Amount: \$782,542

High Bid: \$921,717

Contract Percent Complete: 99%

Number of Bids: 3

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

Change Order # 8, 11/3/16, was approved for an increase of \$87,122 to complete the fit-up required to support installation of the x-ray machine. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Emergency Replacement of Central Heating Plant Boilers Capital Project

Project Number: 2429.00

Scope: \$8,500,000

Project Description:

On March 27, 2015, the University's Central Heating Plant suffered a severe fire rendering two boilers inoperable. The status of the second boiler is questionable, but may require replacement as well. These boilers are a significant component of the campus heating infrastructure capacity and their inoperability compromises our ability to heat the campus for the next heating season.

Consultant: Staggs & Fisher Engineers

Contract # A161070

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$413,300

Cumulative Amendment Amount:

Revised Contract Amount:

\$413,300

Contractor: Hussung Mechanical Contractors, Inc.

Contract # 7500079859

Total Change Orders to Date: 4

Low Bid: \$3,541,000

High Bid: \$3,541,000

Number of Bids: 1

Original Contract Amount:

\$3,541,000

Cumulative Change Order Amount:

\$87,764

Revised Contract Amount:

\$3,628,764

Contract Percent Complete:

12%

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

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

Expand/Renovate/Upgrade Law Building Capital Project

Project Number: 2444.00

Scope: \$56,000,000

Project Description:

This project will include programming and design of the full renovation of the existing facility with a 34,000 GSF addition. The upgraded facility will include modern spaces for the following functions: large and small courtrooms, upgraded library space, classrooms, signature student spaces, and space for student organizations, faculty offices, law clinics and administration.

Consultant: Sherman Carter Barnhart Architects

Contract # A161180

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$3,426,488

Cumulative Amendment Amount:

Revised Contract Amount:

\$3,426,488

Contractor: Congleton-Hacker Co.

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 # 7500078835

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount:

\$2,170,000

Cumulative Change Order Amount:

Revised Contract Amount:

\$2,170,000

Contract Percent Complete:

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Improve Athletics Facility Capital Project (Joe Craft Center Locker Room)

Project Number: 2469.00

Scope: \$4,000,000

Project Description:

The renovation of the men's basketball locker room/lounge will include numerous enhancements to improve the functionality of the existing space to better meet the needs of current student-athletes as well as attract the highest caliber athletes to represent the University of Kentucky. This project will incorporate the existing player locker and shower space, lounge area, and team meeting room into one multi-functional space to provide a first-class environment and enhance the student-athlete experience. These elements include a more open floor plan that enhances the use of this space on a day-to-day basis, as well as keeping current for a program of this stature. These improvements will also provide a nutrition and hydration component that was not included when the facility was constructed due to NCCA regulations at that time.

Consultant: Sherman Carter Barnhart

Contract # A171160

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$195,205

Cumulative Amendment Amount:

Revised Contract Amount:

\$195,205

Contractor: Construction contract not awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount:

Cumulative Change Order Amount:

Revised Contract Amount:

Contract Percent Complete:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Third Floor F. Paul Anderson Tower Capital Project

Project Number: 2447.00

Scope: \$3,500,000

Project Description:

The James and Gay Hardymon Center for Student Success will be a central place where engineering students can access all of the College's student services. Project includes interior renovations to existing third Floor of the F. Paul Anderson Tower. Project is relocating various student affairs support services currently spread out across the Engineering College campus, onto one floor. The Student Services Center will occupy approximately 10,000 square feet of renovated space recently vacated by the Engineering Library. The Center will house the College's Office for Student Advising, Office of Career Services and Student Records. The Center will also provide students computer and tutoring labs and additional study space. An alternate is also included to renovate a portion of the ground floor of the F. Paul Anderson Tower.

Consultant: JRA Architects

Contract # A171070

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount: \$278,800

Cumulative Amendment Amount:

Revised Contract Amount: \$278,800

Contractor: Marrillia Design & Constroction

Contract # 7500101326

Total Change Orders to Date: 4

Low Bid: \$1,584,700

High Bid: \$1,806,600

Number of Bids: 4

Original Contract Amount: \$1,584,700

Cumulative Change Order Amount: \$15,948

Revised Contract Amount: \$1,600,648

Contract Percent Complete: 10%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Academic/Administrative Facility 3 (Combs Cancer Research Building) Capital Project

Project Number: 2428.00

Scope: \$1,173,449

Project Description:

This project will renovate approximately 2,575 net assignable square feet of the Combs Cancer Research Building animal facility. The renovated space will provide a needed bio-exclusion barrier housing unit on the east biomedical complex campus. The project also will relocate an existing bedding dispenser and install a new dry heat sterilizer and a new automated conveyor system. The conveyor system will help prevent staff injuries.

Consultant: Omni Architects

Contract # A161000KK

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$48,000

Cumulative Amendment Amount:

Revised Contract Amount:

\$48,000

Contractor: Churchill McGee

Contract # 7500073667

Total Change Orders to Date: 18

Low Bid: \$961,650

High Bid: \$1,211,500

Number of Bids: 4

Original Contract Amount:

\$961,650

Cumulative Change Order Amount:

-\$36,666

Revised Contract Amount:

\$924,984

Contract Percent Complete:

100%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Academic/Administrative Space 1 - Nutter Football Training Facility Capital Project

Project Number: 2431.00

Scope: \$3,861,361

Project Description:

The Nutter Football Training Facility will be vacated in the summer of 2016 when the UK Football program moves into the new Training Center thus making space available for other programs. This project will renovate approximately 29,150 square feet for the Sports Science Research Institute and other UK Athletic programs. The Sports Science Research Institute (SSRI) focuses on prevention and treatment of sports injuries and concussions, performance optimization, musculoskeletal health and rehabilitation, metabolism, and neuro-cognition. The renovated space will include centralized assessment and testing space, a physiology area, group work areas, a reception/waiting area, and an entrance for the SSRI. The new UK Athletics Academic Center will include tutoring rooms, a computer lab and offices as well as new restrooms. Other UK Athletic programs such as Track and Field, Golf and Gymnastics will be moved into existing offices which will also receive minor renovations and upgrades. The existing equipment room will be renovated to become Central Equipment/Receiving for UK Athletics programs and the existing Athletic Training Area will be upgraded for use by all sports athletic training. Graphics throughout the building will be upgraded to reflect all UK Athletics Sports programs. Additionally, two existing skylights will be replaced and mechanical and electrical systems upgraded to applicable codes and standards.

Consultant: JRA Architects

Contract # A161120

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount: \$331,460

Cumulative Amendment Amount:

Revised Contract Amount: \$331,460

Contractor: Marrillia Design & Construction

Contract # 7500079885

Total Change Orders to Date: 32

Low Bid: \$3,149,000

High Bid: \$3,440,420

Number of Bids: 4

Original Contract Amount: \$3,149,000

Cumulative Change Order Amount: \$131,135

Revised Contract Amount: \$3,280,135

Contract Percent Complete: 98%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate Lucille Little Library Capital Project

Project Number: 2448.00

Scope: \$1,700,000

Project Description:

The Hanban/Confucius Institute Headquarters of China is a public institution affiliated with the Chinese Ministry of Education and provides Chinese language and cultural teaching resources and services worldwide. The University of Kentucky Confucius Institute was established in 2010 as a center for Chinese language, culture, art, and business and a gateway to China for the University. It has been recognized as Confucius Institute of the Year in 2012 and 2014, one of 15 awards given annually to more than 400 Confucius Institutes worldwide in 115 countries. The University of Kentucky has committed to renovate a portion of the ground floor of the Lucille Little Library for the Confucius Institute for a period of not less than 25 years. The dedicated area consists of approximately 6,200 square feet of interior space and 1,800 square feet of exterior space.

Consultant: EOP Architects

Contract # A161160

Total Amendments to Date: 1

Original Contract Amount: \$102,735

Cumulative Amendment Amount: \$3,125

Describe all amendments :

Revised Contract Amount: \$105,860

Amendment 1, 11/28/16, an increase of \$3,125 was approved for additional services as required to incorporate two additional operable partitions systems. **No amendments this quarter.**

Contractor: Congleton-Hacker Co.

Contract # 7500089445

Total Change Orders to Date: 36

Low Bid: \$1,050,545

High Bid: \$1,297,700

Number of Bids: 7

Original Contract Amount: \$1,050,545

Cumulative Change Order Amount: \$107,383

Revised Contract Amount: \$1,157,928

Contract Percent Complete: 98%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Expand Clinical Services Capital Project - William R. Willard Medical Education Building (COM Neurosurgery)

Project Number: 2452.00

Scope: \$4,800,000

Project Description:

A review of the existing College of Medicine space of this building has identified several opportunities for repurposing of outdated laboratory, office, and conference room spaces. These spaces lack the basic infrastructure that is required to meet today's standards. The infrastructure limits include wired and wireless computer network capacity and reliable major equipment, such as autoclaves and freezers. Additionally, the HVAC systems cannot support the required temperature levels in the laboratories or cold rooms and reconfiguration of the laboratories is hampered by the type of casework that is in place. All these factors make continued use of the space as laboratories impractical, and the non-laboratory space cannot be utilized to the fullest extent without being upgraded. The planned renovation will return these spaces to highly functional space such as faculty and staff offices, study spaces, and meeting rooms. In addition to this first phase of renovations, an overall master plan for implementation of needed future renovations will be developed.

Consultant: Stengel-Hill Architecture

Contract # A16100SS

Original Contract Amount: \$65,500

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$65,500

No amendments this quarter.

Contractor: Marrillia Design and Construction

Contract # 7500079839

Original Contract Amount: \$700,000

Total Change Orders to Date: 17

Cumulative Change Order Amount: \$15,177

Low Bid: \$700,000

Revised Contract Amount: \$715,177

High Bid: \$763,639

Contract Percent Complete: 100%

Number of Bids: 2

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Expand Gatton Building

Project Number: 2345.00

Scope: \$65,000,000

Project Description:

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

Consultant: Ross Tarrant Architects

Contract # A131090

Original Contract Amount: \$3,716,149

Total Amendments to Date: 6

Cumulative Amendment Amount: \$1,889,916

Describe all amendments :

Revised Contract Amount: \$5,606,065

Amendment 1, 6/11/13, an increase of \$1,752,276.24 was approved to provide bidding and construction administration services which were not included in the original contract due to phased legislative authorities, and includes expanded programming and design services. **Amendment 2**, 12/10/13, an increase of \$53,550 was approved for to provide for additional reimbursable services including fire modeling services and design & coordination of the building security system. **Amendment 3**, 7/8/14, a zero dollar amendment was approved to reduce reimbursable services by \$12,400 and increase design services by same to provide design and bidding services for a redesign of the landscaping plan and incorporation of a second retaining wall on the north slope of the site development. **Amendment 4**, 6/9/15, an increase of \$26,040 was approved to provide design services for the internet protocol television (IPTV) system along with revisions to the audio visual systems in the incubator lab, classrooms, finance learning center, and event space. **Amendment 5**, 12/9/15, an increase of \$19,650 was approved to provide additional consulting services required for audio-visual design of Conference Room 132F and for bidding and construction administration services for the building graphics/wayfinding package. **Amendment 6**, 8/16/16, was approved for an increase of \$38,400 to provide additional construction administration services due to extended duration of phase 2 construction. **No amendments this quarter.**

Contractor: Skanska USA Building

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

Contract # 7500012212

Original Contract Amount: \$52,535,331

Total Change Orders to Date: 362

Cumulative Change Order Amount: \$4,721,616

Low Bid:

Revised Contract Amount: \$57,256,947

High Bid:

Contract Percent Complete: 99%

Number of Bids:

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

Change Order # 1, 3/7/14, was approved for an increase of \$51,262 to provide labor, equipment, and material necessary to install 1,000 gallon grease trap and associated piping to comply with LFUCG standards for the food service component of the project. **Change Order # 5**, 3/18/14, was approved for an increase of \$105,784 to modify the site development design to include the changes in design from bid to the time the enabling package was released. The change was a result of fast tracking the project. **Change Order # 6**, 3/21/14, was approved for an increase of \$158,287 to install temporary underground storm and sanitary lines to maintain active sewer lines during the installation of the drilled piers and grade beam of the new addition. **Change Order # 17**, 6/27/14, was approved for an increase of \$29,627 to install a one hour fire rated infill partition at the separation of the '63 and '90's buildings. **Change Order # 24**, 8/21/14, was approved for an increase of \$55,072 to adjust the contract allowance based on unit prices for the actual volume of caissons as installed compared to the quantity in the contract. **Change Order # 25**, 8/26/14, was approved for an increase of \$58,007 to provide the labor and material as necessary for abatement of fittings above the specified amount in the bid documents. **Change Order # 30**, 9/19/14, was approved for an increase of \$53,211 to add a second retaining wall/seat wall to provide a less steep grade coming from University Drive.

Change Order # 35, 10/3/14, was approved for an increase of \$44,336 to provide additional one-hour fire proofing in areas of roof decking under 20' in height. **Change Order # 36**, 10/3/14, was approved for an additional \$42,574 to use a varied floor pattern and color palate more in line with the design intent of the building and the atrium and lobbies. **Change Order # 43**, 11/6/14, was approved for an increase of \$75,000 to infill the existing holes in the first, second, third, and fourth floor slabs. Some extra large holes will require additional steel support for the repairs. **Change Order # 44**, 11/6/14, was approved for an increase of \$35,000 to infill the existing openings in the concrete masonry (CMU) chase walls. Small openings are to be filled with fire caulking and large ones with CMU block. **Change Order # 46**, 11/7/14, was approved for an increase of \$44,068 to provide labor and material for switch from a knock-down hollow metal door frame to a welded frame on all doors. **Change Order # 52**, 11/24/14, was approved for an increase of \$27,387 to provide standpipes at the intermediate landings with a shaft surrounding the standpipe and valve cabinets to meet code requirements. **Change Order # 55**, 12/5/14, was approved for an increase of \$152,201 to make revisions to the power and low voltage plans in order to accommodate the forthcoming audio-visual package. **Change Order # 58**, 12/5/14, was approved for an increase of \$170,026 to provide changes to security hardware and software to assure compatibility with the campus security system. **Change Order # 62**, 1/8/15, was approved for an increase of \$147,600 to enclose and provide temporary heat to Areas A and C for the winter season allowing work to continue. **Change Order # 64**, 1/26/15, was approved for an additional \$53,411 - Provide for a necessary acceleration of fabrication of materials on site and added hours to make up lost time due to three specific subsurface issues that impacted sequencing of work for the concrete contractor's scope of work. **Change Order # 65**, 1/26/15, was approved for an increase of \$29,360 to switch from quarter sawn white ash to quarter sawn white oak solid trim metal throughout the project. This material will maintain the same custom stain coloration across all wood locations. **Change Order # 70**, 2/2/15, was approved for an increase of \$36,319 to furnish and install glass handrail/guardrail in the atrium and auditorium. **Change Order # 75**, 2/9/15, was approved for an increase of \$30,762 to revise the wireless rough-in layout for the large classrooms, auditorium, and other large spaces. **Change Order # 83**, 3/1/15, was approved for an increase of \$54,946 to incorporate new granite material rather than salvaged granite in the atrium and on the stair treads for the social stairs. Salvaged granite was determined to be unsuitable for use in these applications. **Change Order # 87**, 3/12/15 was approved for an increase of \$32,343 to add an additional layer of plywood and blocking at the classroom tiers and amend the construction of the risers due to constraints with the fixed table manufacturer mounting requirements. **Change Order # 83**, 3/1/15, was approved for an increase of \$54,946 to provide for a new selection of granite stair treads for the social stair as salvaged granite is unsuitable for use in this application. **Change Order # 87**, 3/12/15, was approved for an increase of \$32,343 to add an additional layer of plywood at the classroom tiers and modify the risers due to constraints with fixed table manufacturer mounting requirements. **Change Order # 103**, 4/6/15, was approved for an increase of \$140,180 to provide and install temporary egress stairs in the atrium to provide temporary means of egress from the classrooms located on second and third floors of the new addition during phase 2 of the project. **Change Order # 113**, 4/17/15, was approved for an increase of \$27,590 include materials needed to structurally modify and safely anchor the atrium catwalk and fall arrest system on the north side of the atrium. **Change Order # 148**, 6/1/15, was approved for an increase of \$192,325 to provide a system of temporary partitions, signage, and alarms necessary to ensure the conditions for proper separation during phased construction. **Change Order # 156**, 6/8/15, was approved for an increase of \$54,765 to provide additional power and data receptacles in the IT suite and Room 337C necessary to support the equipment to be used in the space. **Change Order # 159**, 6/8/15, was approved for an increase of \$38,217 to modify openings and install six hollow metal door frames at Stairs B & C in plan area A at the 2nd, 3rd, & 4th floor locations to accommodate new door widths. **Change Order # 163**, 6/10/15, was approved for an increase of \$25,351 to add pathways and infrastructure required for audio visual equipment in meeting room 132F. **Change Order # 172**, 6/23/15, was approved for an increase of \$39,289 to add a separate fan coil unit to the room in the IT suite 337 that has been changed from a storage room to a server room. **Change Order # 186**, 7/16/15, was approved for an increase of \$41,524 to add the linear slot diffusers to the east and west sides of the Atrium. **Change Order # 190**, 7/20/15, was approved for an increase of \$41,097 to modify the locations of vinyl film and fabricated letters to enhance privacy and wayfinding. **Change Order # 192**, 7/23/15, was approved for an increase of \$47,642 to provide electrical rough-in, drywall openings, and back boxes for the addition of motorized projection screens in classrooms on the first and second floors. **Change Order # 197**, 7/23/15, was approved for an increase of \$29,588 to add the needed steel to carry the loads of windows, walls, wood veneer panels, and other architectural elements at the northwest atrium alcove. **Change Order # 202**, 8/5/15, was approved for an increase of \$32,011 to provide for demolition and additional pavement of the sidewalks between the Matthews Building and Gatton. **Change Order # 232**, 9/11/15, was approved for an increase of \$117,735 to replace the brick sanitary manhole and the piping connecting it with a concrete structure on the southwest side due to degradation. **Change Order # 233**, 9/11/15, was approved for an

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

increase of \$55,761 to provide the necessary fire rating and fire caulking needed in the existing stairs due to found conditions. **Change Order # 243**, 9/20/15, was approved for an increase of \$26,769 to reroute the power feed from the Administration Drive guard shack to the new electrical panel in Gatton. **Change Order # 264**, 11/9/15, was approved for an increase of \$38,801 to provide the necessary fire rating for existing stairs located in Area B. **Change Order # 273**, 11/18/15, was approved for an increase of \$31,784 to add a roof drain adjacent to the clerestory window on the north side in Area B due to inadequate space at the bottom of the window where the existing roof ties into the window flashing. **Change Order # 279**, 11/30/15, was approved for an increase of \$32,243 to provide the necessary structural elements to support brick walls along the expansion joint between Areas B and C. **Change Order # 310**, 2/10/16, was approved for an increase of \$27,605 to provide the proper opening sizes for ducts penetrating existing slabs. This change includes removal of slabs as well as pouring back new portions of slabs. **Change Order # 360**, 9/22/16, was approved for a decrease of \$35,182 to provide a credit for the cost of key shop to replace key cores for specific locks due to a missing key. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Expand Student Center Capital Project

Project Number: 2396.00

Scope: \$201,250,000

Project Description:

The University's Student Center was originally constructed in 1938 and expanded in 1968 and 1982. The Student Center is heavily used by the entire University community with over 2,000,000 visitors annually. However, the approximately 260,000 square foot facility is no longer able to fully meet the needs of students, faculty, staff and other constituents in terms of quantity and quality of space. This project will include selective demolition, expansion and renovation of the Student Center. Alumni Gym will be renovated and incorporated into the new Student Center. The project is expected to expand the University's Student Center to more than 378,000 square feet and will include an atrium, recreation area, lounges, conference facilities, entertainment venues, retail space, food service, bookstore, student organization space and administrative support offices.

Consultant: Omni Architects

Contract # A141210

Total Amendments to Date: 3

Original Contract Amount: \$10,104,022

Cumulative Amendment Amount: \$2,125,089

Describe all amendments :

Revised Contract Amount: \$12,229,111

Amendment 1, 11/10/15, an increase of \$1,601,572 was approved for additional design services associated with the new visitor's center, underground loading dock, expansion of all-you-can-eat dining, student center organizations, food service, and theaters. These design services also include increased scope of work associated with the historical structure of Alumni Gym and the 1938 section of the Student Center as well as the mitigating and managing of the existing storm culvert. **Amendment 2**, 2/9/16, an increase of \$98,517 was approved to provide structural frame analysis, footing analysis, and compaction testing of existing soils in both Alumni Gym and the 1938 Student Center. **Amendment 4**, 10/24/16, an increase of \$425,000 was approved for additional design services associated with branding, wayfinding, and signage, existing structural deficits, door commissioning, addition of air handlers 6 & 7 to the Harris Ballroom Mezzanine, fit-up of shell space for the relocated Wildcat Pantry, relocation of Stoll Field Band Tower to Shively Field, and modification of Barnes & Noble space. Also included is additional construction administration services. **No amendments this quarter.**

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

Contract # 7500038441

Total Change Orders to Date: 226

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount: \$157,636,030

Cumulative Change Order Amount: \$8,166,801

Revised Contract Amount: \$165,802,831

Contract Percent Complete: 58%

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

Change Order # 3, 8/5/15, was approved for an increase of \$29,220 to install gravel bedding beneath the chilled water supply and return piping where the new steam piping is being installed. **Change Order # 9**, 10/1/15, was approved for an increase of \$67,256 to delete the steam piping and valves and provide expansion valves on the piping in the utility tunnel and at the bridge. **Change Order # 11**, 10/1/15, was approved for an increase of \$34,606 to add Adams valves on the High Pressure Steam (HPS) line located in the Avenue of Champions tunnel to assure the safe operation of the steam distribution. **Change Order # 15**, 11/1/15, was approved for an increase of \$39,214 to install a 6" condensate return line underneath the Avenue of Champions at Lexington Avenue. **Change Order # 16**, 11/1/15, was approved for an increase of \$76,268 to install a pedestrian pedway canopy on the sidewalk of Avenue of Champions for the overhead protection at the Limestone Park I project. **Change Order # 27**, 2/2/16, was approved for an increase of \$83,708 to install a temporary traffic signal at the intersection of Avenue of Champions and Lexington Avenue giving pedestrians a safe crossing intersection. **Change Order # 28**, 3/21/16, was approved for an increase of \$44,028 to install bentonite waterproofing on the top and sides of the LFUCG storm tunnel to prevent water infiltration during excavation. **Change Order # 30**, 3/2/16, was approved for an increase of \$47,426 for additional grading necessary to facilitate construction of the under slab drainage system in the interior of Alumni Gym. **Change Order # 33**, 3/31/16, was approved for an increase of \$59,293 to provide additional excavation to accommodate the loading dock turn-around. **Change Order # 71**, 7/21/16, was approved for an increase of \$31,076 to modify the

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

concrete slab elevation and foundations in the steam vault. Also includes installation of metal grating, safety ladder, and chain for protection during maintenance. **Change Order # 73**, 7/27/16, was approved for an increase of \$40,090 to abate the lead paint from all new steel connection points to the existing steel in Alumni Gym. **Change Order # 74**, 7/27/16, was approved for an increase of \$35,738 to abate the lead paint from all new steel connection points to existing steel in the 1938 Student Union. **Change Order # 75**, 7/27/16, was approved for an increase of \$29,630 to abate the lead paint exposed below grade in Alumni Gym. **Change Order # 79**, 8/17/16, was approved for an increase of \$73,380 to provide additional structural steel to reinforce the existing parapet and new roof structure of Alumni Gym. **Change Order # 84**, 9/1/16, was approved for an increase of \$106,551 to modify the structural framing of the skylight in Alumni Gym to accommodate the installation of glass rails. **Change Order # 85**, 9/1/16, was approved for an increase of \$121,950 to abate and remove the existing metal roof deck on the low roof of the 1938 Student Union and replace with a new metal deck due to the discovery of galbestos. **Change Order # 86**, 9/1/16, was approved for an increase of \$26,242 to provide additional framing and miscellaneous steel to support the masonry fireplace finalized in bid pack # 3. **Change Order # 88**, 9/2/16, was approved for an increase of \$33,735 to provide structural modifications and additional steel in areas that were finalized in bid pack # 3. **Change Order # 90**, 9/2/16, was approved for an increase of \$35,202 to provide steel modifications necessary for reinforcement due to further investigation into the existing structure of the 1938 Student Union. **Change Order # 93**, 9/9/16, was approved for an increase of \$39,527 to add a concrete haunch to the foundation wall in order to support the vertical concrete duct bank, located over the precast electrical vault. The negates the necessity of moving the vault. **Change Order # 94**, 9/21/16, was approved for an increase of \$111,845 to reconfigure the patio space and related exterior walls to allow for greater year round use of the space. **Change Order # 96**, 9/21/16, was approved for an increase of \$71,839 to modify the steel for the electric duct bank in the loading dock area and the steel that supports mechanical equipment. **Change Order # 99**, 9/29/16, was approved for an increase of \$1,046,864 to purchase and install the air handling units that will serve The Harris Ballroom. It was more cost effective to install in the Mechanical Penthouse now then it would be to demolish completed finishes and install during a future fit-out project. **Change Order # 100**, 9/30/16, was approved for an increase of \$30,287 to provide additional safety barriers and striping along Avenue of Champions to expand the zone of pedestrian safety. **Change Order # 102**, 10/7/16, was approved for an increase of \$37,132 to relocate the Barker and Frazee water meters to the east side of the bridge walkway. **Change Order # 104**, 10/18/16, was approved for an increase of \$40,893 to add six new roof drains to the new pedestrian bridge, including all necessary primary, overflow piping and associated reinforcing. **Change Order # 105**, 7/27/16, was approved for an increase of \$89,252 to accommodate utility infrastructure for the shell for the Barnes & Noble bookstore. **Change Order # 108**, 7/27/16, was approved for an increase of \$48,576 to add intumescent fireproofing to the exterior columns and intersecting exposed structural steel at area D open stair. **Change Order # 112**, 11/16/16, was approved for an increase of \$175,435 to provide extra groundwater mitigation measures at the lowest point of the building to intercept a large amount of ground water that was discovered unexpectedly during excavation. **Change Order # 115**, 11/17/16, was approved for an increase of \$60,329 to install bracing for the bottom chord of the existing roof truss in Alumni Gym. **Change Order # 134**, 1/12/17, was approved for an increase of \$47,307 to add conduit pathway to the AV devices being installed in bid package 3 work. The scope wasn't finalized until bid package 4. **Change Order # 139**, 64,875.97, was approved for an increase of \$64,876 to provide the necessary structure to support a concrete encased electrical duct bank. **Change Order # 141**, 1/20/17, was approved for an increase of \$25,838 to install the necessary under-slab rough-in for the Subway drink station. **Change Order # 143**, 2/1/17, was approved for an increase of \$48,069 to backfill the exterior stairs that are connected to the building. **Change Order # 144**, 2/1/17, was approved for an increase of \$217,542 to provide for the excess cost to replace the existing Alumni Gym cornice and portico. The original allowance only assumed a 30% repair/replacement of the sheet metal and substrate. **Change Order # 145**, 2/6/17, was approved for an increase of \$36,033 to add an angle to the edge of the slab to support the curtain wall at locations that have stone sills. **Change Order # 148**, 2/8/17, was approved for an increase of \$54,434 to provide a steel plate required for attachment of the brick relief angle to the cold form metal framing. **Change Order # 149**, 2/8/17, was approved for an increase of \$26,206 to provide electrical rough-in for the Branding bid package. **Change Order # 152**, 2/15/17, was approved for an increase of \$66,619 to provide additional cold form metal framing and miscellaneous steel to reinforce existing conditions and new construction. **Change Order # 153**, 2/16/17, was approved for an increase of \$125,069 to add silicone impregnated foam expansion joints allowing for independent movement of the radius truss. **Change Order # 154**, 2/16/17, was approved for an increase of \$27,409 to infill the concrete floor slab in the 1938 Student Union. **Change Order # 159**, 2/23/17, was approved for an increase of \$44,073 to provide additional structural framing and attachment of the metal deck to the existing masonry walls at the north entry of the Alumni Gym. **Change Order # 162**, 2/28/17, was approved for an increase of \$71,283 to provide mass excavation for lowered slab elevations in the Barnes & Noble Receiving area, a portion of the pump room, and Stair T. **Change Order # 163**, 2/28/17, was approved for an

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

increase of \$33,261 to provide framing modifications and additional blocking for the Branding bid package. Change Order # 166, 2/28/17, was approved for an increase of \$74,705 to provide additional steel required for expansion joint framing along the intersections of areas A, B, & C. Change Order # 167, 3/2/17, was approved for a decrease of \$85,661 to provide a credit to delete the extensive green roof planting system. The possibility of an alternate, less complex, vegetated roof system will be investigated. Change Order # 169, 3/3/17, was approved for an increase of \$25,947 to provide for electrical modifications necessary to provide power to the motorized sunshades introduced in bid package #3. Change Order # 180, 3/15/17, was approved for an increase of \$31,268 to provide a single hardware and platform for the audio-visual portion of the Branding bid package. Change Order # 181, 3/15/17, was approved for an increase of \$40,668 to provide additional bracing and channel required for the vertical folding partition in the Great Ballroom. Change Order # 183, 3/17/17, was approved for an increase of \$71,257 to add concrete curbs at the base of the curtainwall and radius wall systems. Change Order # 184, 3/17/17, was approved for an increase of \$43,751 to provide additional steel to reinforce the existing structure in area A & B. Change Order # 186, 3/29/17, was approved for an increase of \$42,542 to provide an additional exhaust fan and ductwork required for the dishwasher in the finishing kitchen A212H. Change Order # 188, 3/29/17, was approved for an increase of \$50,994 to add lights and corresponding framing in the area C, level 2, Blue Box Theatre corridor alcove. Change Order # 189, 3/29/17, was approved for a decrease of \$47,058 to provide a credit to omit electrical items in the Harris Ballroom and the Bluebox Theatre shell space, and for the removal of electrical devices due to the revised layout of the social stair. Change Order # 190, 3/29/17, was approved for an increase of \$29,658 to provide various electrical field coordination items. Change Order # 195, 3/30/17, was approved for an increase of \$756,016 to add a portion of the Barnes & Noble Bookstore fit-up to facilitate the overall project schedule and to improve coordination and implementation of technical work by utilizing the current on-site trade contractors.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Improve Clinical/Ambulatory Services Capital Project (Otolaryngology)

Project Number: 2454.00

Scope: \$6,000,000

Project Description:

This project will renovate the areas on the third floor of the Medical Plaza Building for the Department of Otolaryngology commonly referred to as Ear, Nose, and Throat (ENT). Improvements include more usable exam rooms, enhanced patient and staff circulation, improved waiting areas, and upgraded HVAC systems.

Consultant: JRA Architects

Contract # A171090

Original Contract Amount: \$438,200

Total Amendments to Date: 1

Cumulative Amendment Amount: \$10,920

Describe all amendments :

Revised Contract Amount: \$449,120

Amendment 1, 3/17/17, was approved for an increase of \$10,920 for additional reimbursable design services as required to provide acoustical design consulting.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

Renovate/Improve Clinical/Ambulatory Services Capital Project (Brachytherapy)

Project Number: 2457.00

Scope: \$14,000,000

Project Description:

The current Brachytherapy suite in the basement of the Roach Cancer Care Facility (Markey) was not upgraded as part of the Radiation Medicine capital project completed in 2009. The new space in Chandler Hospital will be renovated and expanded to create updated procedural and treatment space with state of the art equipment. The renovations will enhance patient care areas, create efficient staff space, and upgrade the HVAC and electrical systems to support the services.

Consultant: JRA Architects

Contract # A171120

Original Contract Amount: \$848,700

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$848,700

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade Academic Space - Patterson Hall Capital Project

Project Number: 2417.00

Scope: \$15,000,000

Project Description:

Patterson Hall was opened in 1904 as the first University of Kentucky women's dormitory. This capital project will renovate and upgrade this historically significant structure integrating it into the newly developed north campus. Patterson Hall will be renovated and upgraded for use as classrooms, study areas, and gathering spaces as part of the Living-Learning Program. Renovations will also include some office space for functions supporting UK students. Additionally, this project will upgrade major building mechanical systems and perform exterior repairs to enhance the historical integrity and ensure the longevity of the building. By saving and rehabilitating this building, the University preserves a significant contribution to the architectural history of the campus; maintaining it for future generations of students, faculty, and alumni.

Consultant: Lord, Aeck & Sargent Inc.

Contract # A151160

Total Amendments to Date: 3

Original Contract Amount: \$701,057

Cumulative Amendment Amount: \$256,500

Describe all amendments :

Revised Contract Amount: \$957,557

Amendment 1, 4/14/15, an increase of \$229,600 was approved for additional consulting services required due to the increase in project scope. It also includes added programming, conceptual building and landscape plans for a future addition to the Blazer Hall side of Patterson Hall, and renderings. **Amendment 2**, 11/10/15, an increase of \$1,900 was approved for additional consulting services required to redesign the foundation for the South Stair D tower at Patterson Hall as a result of a conflict with an existing electrical ductbank. **Amendment 3**, 11/14/16, an increase of \$25,000 was approved for additional design services to redesign the foundation for the south stair D tower due to a conflict with an existing electrical ductbank. **No amendments this quarter.**

Contractor: Congleton Hacker Co.

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 # 7500043674

Total Change Orders to Date: 194

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount: \$10,408,121

Cumulative Change Order Amount: \$1,196,088

Revised Contract Amount: \$11,604,209

Contract Percent Complete: 100%

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

Change Order # 18, 11/5/15, was approved for an increase of \$35,711 to extend the communications ductbank to the manhole closer to Martin Luther King Boulevard. **Change Order # 32**, 12/10/15, was approved for an increase of \$28,182 to provide structural remediation to connect the existing wall and floors at several locations. **Change Order # 38**, 1/4/16, was approved for an increase of \$39,005 to replace the deteriorated dry sprinkler piping and heads and risers in the attic. **Change Order # 56**, 1/26/16, was approved for an increase of \$49,122 to reconstruct the floors in six rooms. These floors were damaged when the existing ceramic tile was removed. **Change Order # 57**, 1/25/16, was approved for an increase of \$30,309 to remove the newly discovered existing knob-and-tube wiring in the ceiling of room 118 and replace with new conduit and wiring. Also included is removing flooring and associated asbestos abatement from the room above. **Change Order # 75**, 3/2/16, was approved for an increase of \$48,100 to fill the conduit trenches with dry-packed grout to prevent existing masonry walls from interior and exterior cracking. **Change Order # 79**, 3/2/16, was approved for an increase of \$28,892 to fully demolish and re-frame the flooring in room 221 at the opening of stair E. **Change Order # 87**, 3/28/16, was approved for an increase of \$27,314 to provide multiple wall and ceiling repairs in sixteen rooms and stair F. **Change Order # 142**, 8/4/16, was approved for an increase of \$32,863 to adjust grading, raise electrical vault vents, install additional concrete, and restore the construction entrance. **Change Order # 182**, 10/14/16, was approved for an increase of \$70,514 to replace existing faulty steam control valves, heat exchanger, float and thermostatic steam traps. **No change orders greater than \$25,000 this quarter.**

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Relocate/Upgrade Athletics Playing Field Capital Project (Soccer Practice Field)

Project Number: 2461.00

Scope: \$2,000,000

Project Description:

This project will replace and relocate the Soccer Practice Field for the University's Soccer Program. The current soccer practice field is inadequate and needs to be replaced to meet the existing and future needs of the program. Additionally, the location of the current soccer practice field is inconsistent with the Athletic Department's facility plans as it needs to be relocated to accommodate the construction of the new Baseball Facility at Alumni Drive and College Way. This project will include upgrading the soccer practice field with natural turf and lighting to better accommodate practice.

Consultant: Ross Tarrant Architects

Contract # A171130

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$182,229

Cumulative Amendment Amount:

Revised Contract Amount:

\$182,229

Contractor: No construction contract awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount:

Cumulative Change Order Amount:

Revised Contract Amount:

Contract Percent Complete:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Design/Renovate/Upgrade Hospital Facilities - Good Samaritan Capital Project

Project Number: 2394.00

Scope: \$8,900,000

Project Description:

This project will address the needs of the patient population and the clinical services offered at Good Samaritan. Specific elements will include expanded service capabilities, private patient rooms, improved staff support spaces and enhanced patient and family waiting space. The scope will include renovating approximately 12,090 square feet of the existing Good Samaritan Emergency Department, as well as expand patient and family waiting by adding 1,250 square feet to the existing 344 square feet waiting room. The construction will be phased into multiple segments to allow patient care to continue throughout the renovation, which is scheduled to last 21 months.

Consultant: Stengel-Hill Architecture

Contract # A151110

Original Contract Amount: \$228,500

Total Amendments to Date: 1

Cumulative Amendment Amount: \$287,500

Describe all amendments :

Revised Contract Amount: \$516,000

Amendment 1, 6/17/15, an increase of \$287,500 was approved for additional design and construction administration services required to complete construction phases 3-8 of the project and an additional 1,500 square feet of the existing laboratory. **No amendments this quarter.**

Contractor: Wehr Constructors, Inc.

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

Contract # 7500061910

Original Contract Amount: \$5,889,769

Total Change Orders to Date: 47

Cumulative Change Order Amount: \$229,434

Low Bid:

Revised Contract Amount: \$6,119,203

High Bid:

Contract Percent Complete: 79%

Number of Bids:

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

Change Order # 11, 8/26/16, was approved for an increase of \$59,540 to provide for all work associated with adding three additional phases to the phasing plans and schedule to better accommodate laboratory operations. **Change Order # 31**, 1/6/17, was approved for a decrease of \$43,507 to provide a credit for combining the work to be done in phase three with the work to be done in phase four of the project.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade UK Healthcare Facilities (Phase I-) 11th FloorG) - (11th Floor)

Project Number: 2402.80

Scope: \$34,250,000

Project Description:

This project will fit-out patient floor 11 in Pavilion A. This will include 63 patient rooms; 24 ICU rooms, and 39 acute care rooms with all staff support and ancillary spaces to provide a fully functioning patient floor. The 11th floor is programmed to be a cancer treatment floor.

Consultant: GBBN Architects, Inc.

Contract # A151240

Original Contract Amount: \$798,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount: \$798,000

No amendments this quarter.

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

Contract # 750004965522

Original Contract Amount: \$20,445,053

Total Change Orders to Date: 20

Cumulative Change Order Amount: \$274,207

Low Bid:

Revised Contract Amount: \$20,719,260

High Bid:

Contract Percent Complete: 60%

Number of Bids:

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

Change Order # 3, 11/16/16, was approved for a decrease of \$35,919 to delete a redundant data outlet. Change Order # 8, 2/1/17, was approved for an increase of \$38,381 to revise integral blinds from those with an external crank wheel to those with a thumbwheel control. Change Order # 10, 2/23/17, was approved for an increase of \$210,170 to revise lead lined room locations, number of shielded rooms, and shielding type as directed by the UK radiation physicist.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade UK HealthCare Facilities (Phase I-F) - Kentucky Children's Hospital NICU

Project Number: 2402.30

Scope: \$83,800,000

Project Description:

The re-development of existing facilities in Pavilion HA is necessary for Kentucky Children's Hospital to establish a modern, state-of-the-art facility for Kentucky's pediatric health care needs. This space will allow for development of pediatric outpatient and family support services and will replace the outdated and undersized NICU with space consistent with today's standard of care for delivery of pediatric health care.

Consultant: GBBN Architects

Contract # A151180

Original Contract Amount: \$3,648,000

Total Amendments to Date: 2

Cumulative Amendment Amount: \$1,040,264

Describe all amendments :

Revised Contract Amount: \$4,688,264

Amendment 1, 2/9/16, an increase of \$750,000 was approved for additional design and construction administration services to provide additional scopes of work in the morgue, clinical engineering, soiled dock, bed storage/transport, and pandemic. This work is necessary to enable the expansion of the NICU. Amendment 2, 3/15/17, was approved for an increase of \$290,264 for an increase in plan review fees by KY Dept. of HB&C, revisions to adjacent hospital areas impacted by the construction project, an extension of the construction schedule, additional work required to facilitate the purchase of owner furnished air handling equipment, and additional evaluation of lighting controls to support an owner requested value engineering change.

Contractor: Turner Construction Co.

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

Contract # 7500040310

Original Contract Amount: \$51,994,040

Total Change Orders to Date: 104

Cumulative Change Order Amount: \$936,133

Low Bid:

Revised Contract Amount: \$52,930,173

High Bid:

Contract Percent Complete: 43%

Number of Bids:

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

Change Order # 1, 8/15/16, was approved for an increase of \$43,801 to upgrade the mobile assist crane from 350 tons to 550 tons thus increasing the allowable pick radius from 100 feet to 200 feet. Change Order # 2, 8/15/16, was approved for an increase of \$26,000 to modify the tower crane foundation to a smaller footprint, add additional rebar, and install rock anchors. Change Order # 3, 8/15/16, was approved for an increase of \$75,000 to furnish and install a temporary generator to power the tower crane. Change Order # 5, 9/1/16, was approved for an increase of \$46,553 to provide temporary emergency power to Pavilion H and HA during power outage for switchover. Change Order # 9, 9/22/16, was approved for a decrease of \$42,483 to transfer site demolition scope of work from site excavations to selective demolition bid package. Change Order # 10, 9/23/16, was approved for a decrease of \$257,836 to use alternate vendor Lutron for lighting dimming controls and alternate light fixtures. Change Order # 11, 9/30/16, was approved for a decrease of \$50,182 to delete an unnecessary electrical vault access tunnel. Instead access will be provided via a manhole and cover. Change Order # 12, 10/21/16, was approved for a decrease of \$46,553 to provide credit for a previous time and material change order for temporary emergency power during a planned outage to relocate a duct bank. An onsite PPD generator was used instead. Change Order # 13, 10/26/16, was approved for an increase of \$36,721 to intercept and relocate existing conduits and associated conductors that are within walls scheduled to be demolished. Change Order # 19, 11/17/16, was approved for an increase of \$96,606 to remove all ductwork and associated piping from the existing vertical chute which will become the shaft for elevator 56. Revise ductwork and piping at elevator 57 & 58 to accommodate the changes at elevator 56. Change Order # 22, 11/17/16, was approved for an increase of \$46,668 to revise plumbing and mechanical scope of work on Pavilion HA 2nd, 3rd, 6th, and 7th floor plans for installation of elevators 56,57, and 58 due to found conditions. The HVAC in the elevator lobbies was fed from the trash chute and not from the floors as previously indicated. Change Order #24, 11/17/16, was approved for a decrease of \$411,656 to provide a value engineering credit for changes in the drywall trade package. Change Order # 28, 12/14/16, was approved for an increase of \$37,200 to demolish all fire protection and electric from the Pavilion HA trash chute which becomes the elevator 56 shaft. Relocate children's hospital elevator

feeders and communications cables to the 7th floor. Change Order # 31, 1/3/17, was approved for an increase of \$56,776 to bring the topping slab back to an acceptable tolerance in preparation for contracted final leveling and new flooring. Change Order # 32, 1/6/17, was approved for an increase of \$44,483 to relocate existing sanitary, vent, acid waste, and steam condensate piping in building HA on first floor to coordinate with new utilities. Change Order # 34, 1/17/17, was approved for an increase of \$87,808 to furnish and install temporary scaffold from the ground up to the 6th floor to accommodate the slab removal process at elevators 56, 57, and 58. Change Order # 41, 1/3/17, was approved for a decrease of \$26,966 to provide a credit for the tower crane temporary generator rental and fuel due to the MRI building being brought off line a week ahead of schedule. Change Order #43, 1/27/17, was approved for a decrease of \$181,003 to provide a credit for eliminating specialty glass for the Stanley ICU entrances. Change Order # 46, 2/21/17, was approved for an increase of \$36,376 to provide demolition work and shear wall reinforcing associated with the enlargement of the existing door opening that leads from the ground floor of Pavilion H to the exterior courtyard. Change Order # 47, 2/20/17, was approved for an increase of \$73,353 to replace the exterior strip windows in the first floor office HA1116 in Pavilion HA. Change Order # 51, 2/21/17, was approved for an increase of \$29,985 to provide additional excavation, demolition, and new work required for the exterior courtyard. Change Order # 57, 3/3/17, was approved for an increase of \$56,448 to expedite the schedule of the Pavilion HA elevators and elevator lobbies to limit the amount of time employees and patients are impacted by the construction process. Change Order # 60, 3/17/17, was approved for an increase of \$32,563 to demolish existing relief duct from return fan and replace with new duct. Reroute ductwork in the area in coordination with the new duct. Change Order # 62, 3/13/17, was approved for an increase of \$39,303 to relocate existing conduit to conceal in a wall cavity. Change Order # 63, 3/17/17, was approved for an increase of \$125,646 to furnish and install new 20" chilled water lines through the new Pavilion HA ground floor mechanical room. Existing lines are 32 years old. Change Order # 64, 3/13/17, was approved for an increase of \$51,482 to add a connection for mechanical cold water to plumbing back flow preventer and route cold water to after coolers in the ground floor mechanical room and existing first floor mechanical room. Change Order # 65, 3/14/17, was approved for an increase of \$55,591 to rework the domestic water piping on first floor of Pavilion H to separate the piping to Surgery, on second floor above, from the NICU water service. This will allow surgery to remain on-line while NICU is constructed. Change Order # 68, 3/17/17, was approved for an increase of \$64,344 to replace aging 6" and 8" underground domestic water lines entering the east side of Pavilion H through the new construction. Relocate 12" sanitary line as required for drilling work. Change Order # 70, 3/23/17, was approved for an increase of \$92,325 to provide demolition and disposal of the existing precast panels at the Gill Building level one. This is along the pedway on the west side of the existing courtyard where the new NICU first floor lobby ties into the existing building. Change Order # 71, 3/23/17, was approved for a decrease of \$30,312 to provide a credit for the deletion of eight automatic door operators and to change six door frames from aluminum to hollow metal. Change Order # 73, 3/23/17, was approved for an increase of \$25,400 to provide for removal and replacement of the affected sprinkler lines, rerouting of the domestic water supply and return, and rerouting of pneumatic controls associated with the enlargement of the existing door opening that leads from the ground floor of Pavilion H to the exterior courtyard. Change Order # 76, 3/24/17, was approved for an increase of \$29,795 to revise door and fixed window integral blinds from those with an external crank wheel to those with a thumbwheel control.

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) - (Fit-up 5th & 12th Floors Pav A)

Project Number: 2402.90

Scope: \$72,000,000

Project Description:

The Albert B. Chandler Hospital facilities development plan provides for the systematic replacement and renovation of patient care facilities. Since the opening of the first two patient care floors in Pavilion A of the new Patient Care Facility in May 2011, UKHealthCare (UKHC) has continued to experience strong patient demand for the delivery of its hospital system services. This volume increase has placed substantial capacity constraints on UK inpatient hospital operations. This project will help alleviate these constraints and includes the fit-up of the fifth and twelfth floors for inpatient services. This project will provide 128 inpatient beds, including 48 ICU beds.

Consultant: GBBN Architects, Inc.

Contract # A161200

Original Contract Amount:

\$1,546,600

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$1,546,600

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

Renovate/Upgrade UK HealthCare Facilities (Phase I-I) - Phase 2 Radiology Services Pav A

Project Number: 2402.12

Scope: \$11,300,000

Project Description:

The Radiology Phase 2 project requires the fit out of approximately 5,800 square feet of shell space on the Ground floor of Pavilion A of Chandler Hospital. This will include scan rooms as well as staff and support spaces.

Consultant: Stengel-Hill Architecture

Contract # A151150

Original Contract Amount:

\$355,000

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$355,000

No amendments this quarter.

Contractor: No construction contract awarded to date.

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Renovate/Upgrade UK Healthcare Facilities (Phase-G) (Pavilion A - Surgery Phase 1-3A)

Project Number: 2402.70

Scope: \$31,000,000

Project Description:

This project will fit-out 10,200 SF of shell space on the second floor of Pavilion A to expand the existing Surgery Department. This will include five operating rooms (OR's), a Hybrid OR, and support spaces. An additional 15,558 SF of shell space will be fit-out for use as a pre-op/post-anesthesia care unit (PACU) to support the new surgery space.

Consultant: Artekna Design

Contract # A151260

Total Amendments to Date: 1

Original Contract Amount: \$361,875

Cumulative Amendment Amount: \$428,000

Describe all amendments :

Revised Contract Amount: \$789,875

Amendment 1, 2/9/16, an increase of \$428,000 was approved for design services as required to buildout additional post anesthesia care unit (PACU) spaces and ancillary functions to support the operating rooms (OR's) included in the project. **No amendments this quarter.**

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

Contract # 7500049654

Total Change Orders to Date: 4

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount: \$11,253,476

Cumulative Change Order Amount: \$22,356

Revised Contract Amount: \$11,275,832

Contract Percent Complete: 9%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair/Upgrade/Improve Building Mechanical Systems Capital Project (Dickey Hall)

Project Number: 2456.00

Scope: \$4,000,000

Project Description:

This project will replace the heating ventilation and air conditioning (HVAC) in Dickey Hall. KJWW Engineering completed an assessment of the existing HVAC systems servicing Dickey Hall in March 2016. The study found that the mechanical system is inefficient and does not provide reliable comfort for the building's occupants. The HVAC and lighting renovation of Dickey Hall consists of new water-cooled Variable Refrigerant Flow systems with 3-pipe heat recovery. A 100% Dedicated Outdoor Air System with steam heat coil providing treated outdoor air to entire building. LED lighting has been added to most spaces. Dimmers and occupancy sensors are included in lighting design. Building wet sprinkler system added to entire building and fire alarm system upgrades are provided. Generator provides emergency power for life safety and freeze prevention in winter. New BMS with DDC controls system provided for entire building to connect to Delta Room. New ceilings and rework of existing ceilings are included in project.

Consultant: Staggs and Fisher, Inc.

Contract # A171080

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount: \$252,000

Cumulative Amendment Amount:

Revised Contract Amount: \$252,000

Contractor: Marrillia Design & Construction

Contract # 7500101327

Total Change Orders to Date: 1

Low Bid: \$3,227,000

High Bid: \$4,282,350

Number of Bids: 5

Original Contract Amount: \$3,227,000

Cumulative Change Order Amount: \$5,633

Revised Contract Amount: \$3,232,633

Contract Percent Complete: 1%

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Repair/Upgrade/Improve Building Systems - UK HealthCare Capital Project (Roach Air Handling Unit S-1)

Project Number: 2449.00

Scope: \$1,380,000

Project Description:

This project will replace air handling unit (AHU) S-1 in the Ben F. Roach Cancer Care Facility. This AHU is 32 years old and in poor mechanical condition. It supports the 2nd floor of the building which is a clinical area. Replacement of the unit is necessary to ensure air quality, meet regulatory requirements, and to maintain the interior environment without temperature fluctuation.

Consultant: CMTA Engineering Consultants

Contract # A161170

Original Contract Amount:

\$92,775

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

\$92,775

No amendments this quarter.

Contractor: H&R Mechanical Contractors

Contract # 7500083934

Original Contract Amount:

\$1,083,608

Total Change Orders to Date: 1

Cumulative Change Order Amount:

\$2,834

Low Bid: \$1,235,000

Revised Contract Amount:

\$1,086,442

High Bid:

Contract Percent Complete:

99%

Number of Bids: 1

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

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

Upgrade/Relocate Pediatric Critical Care Unit (Phase III)

Project Number: 2369.20

Scope: \$2,608,500

Project Description:

This sub-project will renovate existing space in the Pediatric Critical Care Unit. The scope includes but is not limited to the removal of existing doors, casework, flooring, ceiling and miscellaneous finishes, with a very limited number of walls being removed. The scope further includes the installation of new doors, casework, flooring, ceiling and miscellaneous finishes. This project is a continuation of previously conducted phases and will match as closely as possible the established brand.

Consultant: Moody Nolan (Contracted under Project 2369.0)

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

Contracted under original project 2369.0

Contractor: Marrillia Design & Construction

Contract # 7500083340

Original Contract Amount:

\$1,870,000

Total Change Orders to Date: 13

Cumulative Change Order Amount:

\$51,835

Low Bid: \$1,870,000

Revised Contract Amount:

\$1,921,835

High Bid: \$1,870,000

Contract Percent Complete:

100%

Number of Bids: 1

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

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

CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Upgrade/Renovate/Expand Grain Center of Excellence Capital Project

Project Number: 2458.00

Scope: \$15,000,000

Project Description:

This project is funded by a grant from the Kentucky Agriculture Development Funds for a scope of \$15,000,000. Funding will occur in three phases: Development, Specification and Bidding. The project will renovate and expand the UK Research and Education Center located in Princeton, Ky. The facility will be expanded by an additional 20,000 square feet. Renovations will cover approximately 38,000 square feet as needed to tie the current facility into the expansion. The project includes upgrades and replacement of floor and ceiling tiles, windows, entrances, lighting, HVAC system, fume hoods, fire alarm, and roof of existing structure.

Consultant: JRA Architects

Contract # A171110

Total Amendments to Date:

Describe all amendments :

No amendments this quarter.

Original Contract Amount:

\$1,199,385

Cumulative Amendment Amount:

Revised Contract Amount:

\$1,199,385

Contractor: No construction contract awarded to date.

Contract #

Total Change Orders to Date:

Low Bid:

High Bid:

Number of Bids:

Original Contract Amount:

Cumulative Change Order Amount:

Revised Contract Amount:

Contract Percent Complete:

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