

# FCR 21

Office of the President  
June 21, 2019

Members, Board of Trustees:

## CAPITAL CONSTRUCTION REPORT

Recommendation: that the capital construction report for the three months ending March 31, 2019 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, 2019 thru March 31, 2019:***

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

- |                |  |
|----------------|--|
| Project 2467.0 | Acquire/Renovate the University Inn<br>- Marrillia Design & Construction, \$4,770,000 ( <i>Construction</i> )  |
| Project 2500.0 | Improve Clinical/Ambulatory Service Pool Capital Project (Cancer Services)<br>- Wehr Constructors, Inc., \$1,144,585 ( <i>Construction</i> )   |
| Project 2503.0 | Repair, Upgrade, or Improve Building Systems - UK HealthCare Capital Project (Pavilion HA Air Handling Units 1, 2, and 3)<br>- CMTA Consulting Engineers, \$298,500 ( <i>Design</i> )                              |
| Project 2505.0 | Construct Agriculture Research Facility 2 Capital Project (Poultry Research Facility Relocation)<br>- JRA Architects, \$531,750 ( <i>Design</i> )<br>- Congleton-Hacker Company, \$560,000 ( <i>Construction</i> ) |
| Project 2506.0 | Improve Student Center Space 1 - Harris Ballroom<br>- Omni Architects, \$391,140 ( <i>Design</i> )   |
| Project 2508.0 | Improve Building Mechanical Systems - Ag North HVAC<br>- CMTA Consulting Engineers, \$660,150 ( <i>Design</i> )  |

***Three amendments were as follows:***

- |                |   |
|----------------|---|
| Project 2425.0 | Construct Research Building Capital Project<br>- Provide additional design and construction administration services associated with infrastructure and plant facilities, as well as further |
|----------------|---|

- development of the interior of the building. An increase in special inspections was included as well. (+) \$131,405
- Project 2446.1 Facilities Renewal, Modernization, and Deferred Maintenance (Phase-I) Capital Project (Chemistry-Physics)
- Provide additional design and construction administration services associated with additional project scope to upgrade building envelope and infrastructure. Also includes a site survey, a smoke evacuation model, and storm water MS4 permitting. (+) \$1,722,527
- Project 2500.0 Improve Clinical/Ambulatory Service Pool Capital Project (Cancer Services)
- Provide additional design services for some redesign, the addition of bidding and construction administration services, and additional design services related to programming work for relocating a Specialty Pharmacy enabling project. (+) \$299,638

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

- Project 2425.0 Construct Research Building Capital Project
- Install masonry pavers above the two entry vestibules, on the floor of the third floor balcony, and above the Stair D roof. (+) \$27,651
  - Modify the café, the lower level store room, and the future kitchen area to support a Starbucks point of sale kiosk. (+) \$136,637
  - Provide overcurrent protection for critical load distribution (CLD) feeders passing upward thru the building at the request of the electrical inspector. (+) \$95,557
  - Install elevator door smoke containment system for elevators B and C on levels 4, 5, and 6. (+) \$69,064
- Project 2444.0 Expand/Renovate/Upgrade Law Building Capital Project
- Provide a second fiber entrance to the building and re-route the new fiber cable to Parking Structure #2 instead of McVey, thereby making connectivity at the Law Building independent from future work at McVey Hall. (+) \$48,830
  - Provide project site-work. This change order was issued to allow site development around the building to begin in order to maintain the schedule for occupancy while the Memorial Hall site design is still going through the bid process. (+) \$503,412
  - Provide Memorial Hall site electrical work associated with the Law School project. (+) \$139,642
  - Provide Memorial Hall storm sewer site work associated with the Law School project. (+) \$74,964
- Project 2446.3 Facilities Renewal, Modernization, and Deferred Maintenance (Phase-I) Capital Project (Infrastructure)
- Provide additional work required to offset the new steam piping over the existing utilities in Funkhouser Drive and accommodate elevation

changes to clear existing utilities through the original pathway. Existing site conditions conflicted with the survey. (+) \$372,000

- Provide for 12 weeks of extended general conditions expenses incurred due to unforeseen below grade site conditions. Also included is four weeks of costs for provision of the Rose Street gate guard.  
(+) \$93,712

Project 2457.0

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

- Provide temporary shielding changes necessary during construction due to high occupancy use and close proximities to the existing TrueBeam vault radiation by workers during construction. The shielding modification was determined to be the most cost effective, have the least effect on construction schedule, and provide the required radiation protection during construction. (+) \$189,351

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

## **CAPITAL CONSTRUCTION CONTRACTS QUARTERLY ACTIVITY REPORT**

This report contains capital projects that have a dollar scope value of \$1,000,000 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**  
**May 2019**

**Acquire/Renovate the University Inn**

*Project Description:*

The University Inn currently operates as an 87-room hotel on approximately 2.1 acres at the intersection of South Limestone and Waller Avenue. The South Limestone frontage adjoins other University owned properties on the State Street and University Avenue block of South Limestone. The site includes two buildings, with a total of 62,936 square feet, and 85 parking spaces. The property will provide essential space for the growth of UK HealthCare including clinical, administrative and support space.

*Project Status:*

A construction contract has been awarded and construction started mid-April 2019. Framing is complete on the third floor and 50% complete on the second floor. Mechanical rough-ins are underway in the attic and on the third floor. The basement slab has been saw cut to install new plumbing lines.

**Construct Agriculture Research Facility 2 Capital Project (Poultry Research Facility Relocation)**

*Project Description:*

The project will relocate the current program, on Coldstream Farm, to the C. Oran Little Research Center in Versailles, Kentucky. At completion, the area dedicated for research will double in size, in a modern facility with new equipment. The existing program facility was constructed in the late 1980's and is on University property that is included in the land swap agreement between the University and Lexington-Fayette Urban County Government.

*Project Status:*

Four potential sites were evaluated on the C. Oran Little Research Center Farm in Woodford County. Of these four sites, two were eliminated in the discussion due to location from utilities and proximity to adjacent private property owners. Of the remaining two, the preferred location was determined to be directly adjacent to the main roadway serving the farm, on a site that is currently be used for horse & livestock paddocks. Layout for the buildings is ongoing to determine how best to locate the structures to minimize the amount of site work required. Design remains on schedule.

**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 was bid and is being constructed in eight design release (DR) packages to support the design process and the schedule. The packages were DR #1-Site Clearing and Mass Excavation, DR #2- Foundation and Underground Utilities, DR #3A - Building Concrete Frame; DR #3B- Core & Shell/Main MEP Systems/Site Improvements; DR-#4 Elevators; DR #5 – Building Fit-Out; DR #6-CUP and Infrastructure and DR #7-Green Roof and Plaza.

All elements of the project been punched and punch list work is near completion. Researches have occupied the wet laboratory space on the third floor. The wet laboratory spaces on the second floor are waiting occupants. Various research groups have begun to move in the dry laboratory spaces on the second and third floors. Starbucks opened January 7, 2018. A grand opening of the Bicycle Storage facility was held January 11, 2019. Students, faculty and researchers are now making full use of the interior spaces and the green roof garden. The infrastructure elements including piping, duct banks, and one chiller are now operational and integrated into the campus systems.

Substantial completion for all elements of the new research facility was achieved May, 2019.

### **Construct/Expand/Renovate Ambulatory Care - UK Healthcare Capital Project (Department of Medicine Clinics)**

#### *Project Description:*

This project will continue the renewal of the Kentucky Clinic Medical Plaza. The Department of Medicine Clinics occupies a large portion of the second floor of the Kentucky Clinic Medical Plaza and has significantly increased the patient load since the original construction of the facility in 1983. The planned renovation and expansion will create more usable exam rooms, enhance patient and staff circulation, improve waiting areas, and upgrade the HVAC systems to current standards.

#### *Project Status:*

Phase I was substantially complete on April 3, 2019. Equipment installation followed and the clinic began seeing patients in the renovated space on April 22, 2019. Phase II is now underway. Asbestos abatement is complete and demolition has begun. The project is scheduled to be substantially complete in November 2019.

### **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:*

Exterior masonry and stone work are completed, and exterior painting is nearing completion. Interior finishes and casework are in progress. Above ceiling inspections are being conducted as above ceiling work is completed to allow finished ceilings to be installed. Toilet fixtures and partitions have been set. Interior finish woodwork is being installed. All site work has been awarded and is in progress. Bid packages for audio visual, final cleaning, and branding/wayfinding have been awarded and work is progressing.

Construction is scheduled to complete in the summer of 2019 in time for occupancy for the 2019 fall semester. The project is currently in budget and on schedule.

### **Facilities Renewal, Modernization and Deferred Maintenance (Phase-I and 2) Capital Project (Chemistry-Physics)**

#### *Project Description:*

Renovations in the Chemistry-Physics Building will provide centralized state-of-the-art laboratories, accompanying offices, and collaboration spaces on the third floor. The project includes the creation of modern wet-bench research labs and computational spaces. The second phase will include replacement of the building exterior, stair tower, freight elevator, and roof; construction of a new loading dock and entrance additions; and mechanical upgrades in the penthouse.

#### *Project Status:*

Electrical work to replace substation 3 and 4 with new electrical distribution panels and feeders is underway, and additional work to demo Stair C and remove abandoned utilities in the penthouse will commence soon.

50% Construction Documents have been reviewed, and 100% Construction Documents will be delivered this summer. The majority of the project will bid immediately thereafter, and work is scheduled to begin early Fall 2019.

### **Facilities Renewal, Modernization and Deferred Maintenance (Phase-I) Capital Project (Enoch Grehan Journalism Building)**

#### *Project Description:*

The modernization of the Grehan Building will completely restore and modernize the 1950's building, providing a modern and flexible building in the heart of campus. A connector between the Grehan Building and McVey Hall will complete Americans with Disabilities Act (ADA) regulated access to these two buildings and provide gathering spaces for students.

#### *Project Status:*

Installation of the ceiling grid, pads and lighting fixtures is being completed on the second floor, as is the flooring and wall tile in the restrooms. The clerestory steel has been installed and the curtain wall is scheduled to be installed in early June 2019. Mechanical, electrical, and plumbing (M/E/P) overhead, data cabling, fire alarm devices, control wiring, ceiling grid, tile and lighting are continuing on the first floor. M/E/P overhead and drywall finishing are

approximately 50% complete in the basement; electrical switchgear is being installed. The new windows have been delivered; installation is scheduled to begin in early June and be complete by mid-July 2019. Roof steel, stairs, exterior wall framing/metal panels/decking and roofing have been completed in the connector. Steel painting, interior metal framing and M/E/P in-wall rough in will begin in June 2019. Substantial completion is scheduled for December 2019.

### **Facilities Renewal, Modernization and Deferred Maintenance (Phase-I) Capital Project (Infrastructure)**

#### *Project Description:*

The modernization initiative will restore and revitalize two prominent buildings, Chemistry-Physics Building and Enoch Grehan Journalism Building, within the campus core. Campus utilities are a critical component of the campus modernization effort and during the course of the renovations, dated and deficient infrastructure will be replaced.

#### *Project Status:*

This project will be substantially complete early June 2019.

### **Improve Building Mechanical Systems - Ag North HVAC**

#### *Project Description:*

Originally constructed in 1964, Agriculture Science Center North consisted of 10 air handling units with constant volume reheat boxes and individual exhaust fans serving numerous different spaces. Those units have severely deteriorated and are affecting building air quality and pressurization. This phased project will replace and combine existing equipment that has reached its useful life cycles.

#### *Project Status:*

The design development review meeting was held on May 2, 2019. The project team is continuing to hold phasing coordination and design meetings. Construction Documents are due to the university on June 14, 2019 with a review meeting scheduled for June 28, 2019.

### **Improve Clinical/Ambulatory Service Pool Capital Project (Cancer Services)**

#### *Project Description:*

The project will address expansion of clinical services and the relocation of support and administrative services within the Markey Center and Chandler Hospital Complex including the following buildings: Roach, Whitney Hendrickson, Davis Mills, and Combs as well as other areas of Chandler Hospital. This will provide additional outpatient service space and create a permanent location for PET scanning.

#### *Project Status:*

The project has been progressing on schedule. The architect has completed user group meetings with each of the five clinical functions impacted by this project. In order to accelerate delivery it was decided to split this project into two bid packages. Bid package 1 has been advertised, with bids due in early June 2019. Bid Package 2 will be advertised in the 4<sup>th</sup> quarter of 2019.

Wehr Constructors has been selected to provide construction management services for this project. This project is expected to be complete in July 2021.

### **Improve Good Samaritan Hospital Facilities (UKGS Magnetic Resonance Imaging)**

#### *Project Description:*

This project will address expansion of clinical services available at the UK HealthCare Good Samaritan (UKGS) campus by renovating an area in the main facility and installing up to two Magnetic Resonance Imaging (MRI) machines. The patient volume at UKGS continues to grow and expand. Current UKGS in-patients who need MRI services are transported to the main UK HealthCare Chandler campus for necessary testing. Outpatients have access to limited scope MRI testing within the Professional Arts Center (PAC) building on a machine that is past its useful life. As a result of the ongoing and forecasted future needs of this campus, expanded MRI capabilities are necessary within the hospital facility. Expanded onsite services will decrease the current inefficiencies and delays related to coordination and transportation of inpatients offsite for these MRI services.

#### *Project Status:*

The project is currently in the in the construction document Phase. A contract is being awarded to Wehr Construction for Construction Management services. Construction is expected to start August 2019.

### **Improve Mechanical Infrastructure (Central Campus Utilities) Capital Project**

#### *Project Description:*

The project will relocate all utilities (chilled water, steam, domestic water, natural gas, electric, and communications) out of the Kirwan-Blanding Residential Complex and Commons. The Kirwan-Blanding Complex has been decommissioned and is slated for demolition. In order to proceed with the demolition, all utilities will need to be relocated out of the complex to maintain uninterrupted service to buildings in the adjacent area.

#### *Project Status:*

Bids came in high and UK is exploring value-engineering options.

### **Improve Student Center Space 1 - Harris Ballroom**

#### *Project Description:*

The University's Student Center was originally constructed in 1938 and expanded in 1963 and 1982. It was further expanded and renovated in 2018 to more than 378,000 square feet, including an atrium, recreation area, lounges, conference facilities, entertainment venues, retail space, food service, bookstore, student organization spaces, and administrative support offices. The Center is heavily used by the University community and others with almost two million visitors annually. The Grand Ballroom in the newly expanded Student Center provides unique opportunities for multipurpose meeting space, but is unable to meet the growing demand for large multi-functional spaces on campus. The 2018 expansion/renovation project provided schematic design of the Harris Ballroom, but was unable to fit out this space due to budget constraints. Subsequently, the Harris Ballroom is currently a "shell space" in the Student Center. Completion is necessary at this time due to the extremely high demand for large multi-functional space at the University.

#### *Project Status:*

Omni Architects with CMTA Consulting Engineers are providing consulting services for this project. Final design documents are scheduled to be turned over in early June 2019 with the project tentatively scheduled to bid in early July 2019. Construction is planned to begin in mid-July 2019 and be completed in February 2020. The project is on schedule and in budget.

### **Renovate/Improve Clinical/Ambulatory Services - 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:*

Radiant shielding of the vault will continue for six weeks. The shielding door is in place. Water-proofing is complete and back-fill is ongoing. Once the back-fill around the vault is complete, pavers and landscaping will be installed.

### **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:*

The buss bar noted in prior reports was evaluated and determined that it could not be used for electrical service for the temporary Air Handling Unit. A separate Medical Center PPD project was already in the planning stages to replace this buss bar, and that project was pushed to a priority to allow the replacement to commence in January 2019 and complete in May 2019. The outage to activate the temporary Air Handling Unit was completed in mid-May 2019. Demolition of the existing Air Handling Units in the Penthouse has now commenced.

### **Renovate/Upgrade Existing Housing (Delta Delta Delta Sorority) Capital Project**

#### *Project Description:*

The project scope includes the addition of a meeting room seating 300 with added beds for 10 additional residents. The new addition will be two-stories with an unfinished basement. The addition will be approximately 5,600 GSF. The structure will be insulated concrete forms with hollow core structural planks and wood roof trusses. The exterior walls will be brick with stone accents. The roof will be sloped hip roof with shingles and low-sloped with thermoplastic

membrane. The interior finished will be gypsum board walls, paint, wall covering, wood detailing, acoustical ceiling tile, ceramic tiling in restrooms. The project will also include renovation of the existing restrooms, finish upgrades in the dining hall and converting one room into an accessible unit.

*Project Status:*

Interior doors, drywall, drop ceiling grid, HVAC concrete pad, and switchgear are complete. Fireplace has been installed and Millwork is 80% complete. Flooring, site work, and landscaping are ongoing. This project will be substantially complete June 2019.

**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 55,000 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.

*Project Status:*

The project was bid on May 9, 2019. We are currently reviewing all bids and meeting with the apparent low bidders to confirm scope. Construction is expected to begin in late May 2019.

**Repair, Upgrade, or Improve Building Systems - UK HealthCare Capital Project (Pavilion HA Air Handling Units 1, 2, and 3)**

*Project Description:*

This project will replace three air handling units (AHUs) in the Chandler Hospital Pavilion HA. AHUs 1 and 2 service the third floor (Mother Baby Unit and Obstetrics) and AHU 3 services the 4th floor Pediatric unit. These AHUs, which were installed in 1992 and 1995, respectively, are in poor mechanical condition with failing fans and coils and do not meet the cooling load for the area. The replacement of the units will ensure patient safety and comfort, air quality, and compliance with regulatory requirements.

*Project Status:*

CMTA has completed construction documents. We are currently working with purchasing to develop all bid documents and advertise this project. Bids are expected to be due in late June 2019.

**Replace Greek Housing – (Alpha Gamma Rho Fraternity) Capital Project**

*Project Description:*

This project will construct a 21,000 square foot facility for the Alpha Gamma Rho (AGR) fraternity at the corner of Rose Lane and Woodland Avenue in Lexington, Kentucky on land owned by the University of Kentucky. The new facility will house forty two members in two four-bed suites and seventeen two-bed units. In addition, the new fraternity house will include living and dining areas; a commercial kitchen; laundry area; study room; and a house mother's apartment.

*Project Status:*

This project is 99% complete and the punch list walk through is schedule for the end of May.

**University of Kentucky HealthCare Disparities Initiative (Research Building 2 - Phase II)**

*Project Description:*

The University's new 300,000 square foot Research Building #2 (RB 2) opened in September 2018 and is the result of a partnership between the Commonwealth and the University. This facility's goal is to enable multidisciplinary research teams to work together to develop solutions to the complex health disparities that plague the people of the Commonwealth of Kentucky, such as cancer, diabetes, obesity and substance abuse. Phase II includes the buildout of fourth and fifth floors as well as the balance of the vivarium on the lower level of RB 2.

*Project Status:*

The project was bid during the first several months of 2019. All major subcontracts are now in place. The submittal process is well underway. Final material procurement, all required permitting, and development of the Building Information Model (BIM) were the major activities undertaken in February and March 2019.

The contractors began to mobilize on site during April 2019. The buck hoist near the northwest corner of the building was installed in mid-May 2019. This unit should allow for minimal disruption of the ongoing research on the occupied floors. In the next several months on site work will include layout and installation of interior walls, mechanical rough-in, electrical rough-in and modifications of the penthouse to accommodate additional air handlers included in this phase. The current schedule for Phase II calls for Substantial Completion in June of 2020.

### **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 17,000 square feet. Renovations will cover approximately 38,000 square feet 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:*

Construction started in March 2018. Temporary cubicles were installed allowing the user to occupy Area A space in December 2018. Area B addition and existing office space will be complete in July 2019. Overhead M/E/P work continues in Area C existing labs and work continues in the lab addition. Project substantial completion is scheduled for August 2019.

### **Improve Civil/Site Infrastructure - Library Drive Extension Phase I Capital Project**

#### *Project Description:*

This project will extend Library Drive to intersect with Washington Avenue. The extension is necessary to alleviate traffic on Rose Street from Columbia Avenue to Funkhouser Drive which will allow for safer pedestrian traffic through this area of campus. The project also includes replacing and upgrading chilled water lines under the Library Drive extension, which will provide extra capacity, better balance, and flow.

#### *Project Status:*

The project was advertised and design interviews took place mid-May 2019. Bell Engineering was selected and the contract is in process. Once the contract is executed, design will start immediately.

### **Improve Good Samaritan Hospital Facilities (UK Healthcare Good Samaritan Interventional Radiology) Capital Project**

#### *Project Description:*

This project will expand the clinical services available at the UK HealthCare Good Samaritan (UKGS) campus by renovating an area in the main facility to create patient preparation/recovery bays and install an Interventional Radiology (IR) suite. The patient volume at UKGS continues to grow. Currently, UKGS inpatients who need IR services are transported to the UK HealthCare Chandler campus for necessary procedures. Given the ongoing and predicted future needs of UKGS, expanded IR capabilities are required within the hospital facility. Expanded onsite services will decrease current inefficiencies and timing factors related to coordination and transportation of inpatients for these services and improve operational efficiencies by supporting both inpatient and outpatient populations within the main UKGS facility.

#### *Project Status:*

Stengel Hill Architects were selected as the project architect. The schematic design documents were delivered to the university on May 23, 2019 with a review meeting scheduled for June 6, 2019. Design development documents are expected on July 18, 2019 and Construction Documents on September 5, 2019.

### **Improve Memorial Coliseum (Design Only) Capital Project**

#### *Project Description:*

This project will initiate the design phase of the Improve Memorial Coliseum Capital Project. The facility, which opened in 1950, was built as a memorial to Kentuckians who had died in World War I, World War II, and the Korean War. The facility once served as the home to the Kentucky men's basketball program which won two national championships while occupying the building (1951 and 1958). When UK men's basketball games were moved to Rupp Arena in 1976, the building continued to serve as the men's basketball practice facility prior to the opening of the Joe Craft Center in January of 2007. This historic facility now is home to competition for three women's athletics teams: women's basketball (since 1974), gymnastics, and volleyball. The restoration and improvement of this historic property is likely to include enhanced amenities, a revived tribute to fallen Kentuckians who lost their lives in military service, climate control, modern seating, and other enhancements to benefit student-athletes and the public attending athletics and community events in the facility. The project also will include many system-related upgrades such as life safety, security, lighting, and sound. The renovation will encompass the entire building including offices and academic functions, as well as building envelop and site upgrades. It will also include upgrades to the CATS' Center and the Women's Basketball Locker Room suite located in the connected Craft Center.

*Project Status:*

RossTarrant Architects, in association with HNTB Architecture, and Staggs and Fisher Consulting Engineers have been selected to provide architectural and engineering consulting services for this project. A contract is currently being negotiated. It is anticipated construction documents will be completed by April 2020 and, with BOT approval, bidding will take place in May 2020 and construction will begin in June 2020. It is further anticipated construction will complete in June 2022.

**P3 Parking Structure Capital Project**

*Project Description:*

North campus is home to approximately 2,500 undergraduate and graduate students. This is an increase of approximately 1,170 since 2011. It also is the location of the new Bill Gatton Student Center, a 378,000 sq. ft. facility serving the entire campus and Lexington community. Its location provides parking for both Memorial Coliseum and the Singletary Center. The University recognizes the importance of supporting vibrant, welcoming, and sustainable developments that provide critical links between the University, downtown Lexington, and surrounding urban neighborhoods. To enhance the quality of life for students, faculty, and staff and partner with the city in its vision for an enhanced commercial corridor, the University has requested proposals for a P-3 business relationship to develop a mixed-use parking facility on the Winslow Street site. This site is located on north campus, bordered by Winslow Street, South Limestone Street, and South Upper Street and is the location of the now closed Kennedy Bookstore and Fazoli's restaurant. The mixed-use facility will consist of street front ground floor retail, restaurant, and/or office space with supported parking above. The new facility will tie into the existing Parking Structure #5 at all levels with the possible exception of the basement. Parking structure #5 was originally constructed so as to accommodate later expansion. It is anticipated that the project will add approximately 918 parking spaces to the structure, along with roughly 23,150 GSF of space that will be fitted out for UK and retail use. The new facility must match or complement the existing structure in architectural, structural, mechanical, electrical, and plumbing design. The first floor will include roughly 12,100 GSF of space for UK Innovation and eSports programs. In addition, Signet will fit-out roughly 10,000 GSF of space that will be subleased to a retail vendor to provide a food service venue, which may include a street patio dining experience. The design will include a highly visible MediaMesh wall that can be used for UK Branding opportunities.

*Project Status:*

After review of submitted proposals and interviews, Signet Real Estate Group was selected as the P3 partner to expand Parking Structure #5 and develop the Winslow street front. Meetings have been held working through the contract and financial agreements. Other meetings have been held with UK Departments to program space needs for UK Innovation and eSports programs. The old Kennedy's Bookstore and Fazoli's sites have been demolished and cleared to make way for the expansion. Construction of the expansion is scheduled to begin in mid-July 2019 and be completed in the summer of 2020, in time for use at the beginning of the 2020 Fall Semester. Meetings are being held with LFUCG-Water Quality, Traffic Engineering, and KU to coordinate simultaneous work to be performed along the Winslow corridor.

**Renew/Modernize Facilities - Cooper House**

*Project Description:*

This project will renovate the Cooper House for the College of Agriculture, Food, and Environment. Cooper House, located on the corner of Nicholasville Road and Cooper Drive, was constructed in approximately 1880 and acquired by UK in 1940. The building is on the University's list of historical structures and was home to Dean Thomas Poe Cooper for whom the House is named. Currently the house is vacant and is in need of renovation. The renovation and restoration of the Cooper House will include a reception area to welcome prospective students, faculty, visitors, and industry partners; meeting rooms; and, space to showcase goods and products.

*Project Status:*

Lord Aeck Sargent is the project Consultant. The project is in the Schematic Design Phase.

**Renew/Modernize Facilities - Reynolds Building #1 (Design Only) Capital Project**

*Project Description:*

This project will renovate the existing Reynolds Building #1 for the College of Design thus allowing the College to consolidate from four buildings to one building. This renewal of the Reynolds Building will provide an adaptive re-use of a historic structure continuing the concept of an arts and design district on campus. The renovation will include a small addition for vertical access and student commons space. The design will create large, open spaces for studios, classrooms, offices, and other support spaces for current and future programs.

*Project Status:*

All consultant selection for the architectural & engineering design team has been completed, including the selection of a national architect to program the consolidation of the College of Design into the Reynolds Building #1. Consultant fee negotiation is underway and a baseline schedule is being established. Programming will begin after this process in June 2019.

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Acquire/Renovate The University Inn**

Project Number: 2467.00

**Project Description:** Scope: \$7,500,000

The University Inn currently operates as an 87-room hotel on approximately 2.1 acres at the intersection of South Limestone and Waller Avenue. The South Limestone frontage adjoins other University owned properties on the State Street and University Avenue block of South Limestone. The site includes two buildings, with a total of 62,936 square feet, and 85 parking spaces. The property will provide essential space for the growth of UK HealthCare including clinical, administrative and support space.

**Consultant:** Stengel Hill Architecture

Contract # A191090	Original Contract Amount:	\$462,275
Total Amendments to Date:	Cumulative Amendment Amount:	
<b>Describe all amendments :</b>	Revised Contract Amount:	\$462,275

**No amendments this quarter.**

**Contractor:** Marrillia Design & Construction

Contract # 7500189927	Original Contract Amount:	\$4,770,000
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid: \$4,770,000	Revised Contract Amount:	\$4,770,000
High Bid: \$5,522,792	Contract Percent Complete:	

Number of Bids: 9

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

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

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**Construct Agriculture Research Facility 2 Capital Project (Poultry Research Facility Relocation)**

Project Number: 2505.00

**Project Description:** Scope: \$6,000,000

The project will relocate the current program, on Coldstream Farm, to the C. Oran Little Research Center in Versailles, Kentucky. At completion, the area dedicated for research will double in size, in a modern facility with new equipment. The existing program facility was constructed in the late 1980's and is on University property that is included in the land swap agreement between the University and Lexington-Fayette Urban County Government.

**Consultant:** JRA Architects

Contract # A191160	Original Contract Amount:	\$531,750
Total Amendments to Date:	Cumulative Amendment Amount:	
<b>Describe all amendments :</b>	Revised Contract Amount:	\$531,750

**No amendments this quarter.**

**Contractor:** Congleton-Hacker Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500188868	Original Contract Amount:	\$560,000
Total Change Orders to Date:	Cumulative Change Order Amount:	
Low Bid:	Revised Contract Amount:	\$560,000
High Bid:	Contract Percent Complete:	

Number of Bids:

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

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

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## CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

### Construct Baseball Facility Capital Project

Project Number: 2437.00

#### Project Description:

Scope: \$49,000,000

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: 3

Cumulative Amendment Amount:

\$521,952

#### Describe all amendments :

Revised Contract Amount:

\$3,600,752

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. Amendment 2, 7/24/17, an increase of \$61,460 was approved for additional design services to revise the construction documents to include the relocation of Wildcat Way. Also included is the addition of a tunnel and retaining wall that will enable the construction of a future Indoor Practice Field. Amendment 3, 6/12/18, an increase of \$117,577 was approved for extended construction administration services and additional special inspections required due to unsuitable soil. **No amendments this quarter.**

**Contractor:** Congleton Hacker Company

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500071556

Original Contract Amount:

\$39,296,711

Total Change Orders to Date: 129

Cumulative Change Order Amount:

\$3,103,216

Low Bid:

Revised Contract Amount:

\$42,399,927

High Bid:

Contract Percent Complete:

99%

Number of Bids:

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

Change Order # 2, 5/1/17, was approved for a decrease of \$94,488 to revise plumbing and mechanical items for a value engineering opportunity. Change Order # 3, 5/1/17, was approved for a decrease of \$234,173 to revise general scope requirements and electrical items for a value engineering opportunity. Change Order # 4, 5/2/17, was approved for a decrease of \$113,480 to modify the structural steel requirements as well as the steel and terrazzo details of stair as a value engineering opportunity. Change Order # 7, 4/28/17, was approved for a decrease of \$27,054 to remove installation of PVC conduit for soda lines from the food equipment contractor's scope. The work has been added to the electrician's scope by a separate change order for considerable net savings. Change Order # 11, 6/28/17, was approved for a decrease of \$66,137 to change the post sizing for the ornamental fencing, adjusting the amount of ornamental fence and vinyl coated chain-link fence as a value engineering opportunity. Change Order # 12, 6/28/17, was approved for a decrease of \$97,875 to revise general trade items as a value engineering opportunity. Change Order # 14, 6/28/17, was approved for a decrease of \$39,027 to revise architectural metal panels for the project, and provide alternative material as a value engineering opportunity. Change Order # 16, 6/26/17, was approved for a decrease of \$169,482 to reduce the allowance for unsuitable soils since all major excavation has been completed. Change Order # 17, 6/26/17, was approved for a decrease of \$25,679 to liquidate the allowance for the remediation of coal leachate on the project. Change Order # 18, 6/26/17, was approved for an increase of \$314,452 to relocate Wildcat Court road and entrance approximately 60 feet to the north of the existing location off of College Way for a length of 360 feet. Also includes addition of sidewalk for approximately 625 feet, from the roundabout at Alumni Drive and College Way, to the new entrance of Wildcat Court. Change Order # 32, 9/6/17, was approved for an increase of \$49,165 to make provisions for temporary construction and game day parking. Also includes fence installation and

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## CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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relocation. Change Order # 34, 9/11/17, was approved for an increase of \$29,788 to change piping material from polyvinyl chloride (PVC) to cast iron. Change Order # 35, 9/20/17, was approved for an increase \$907,202 to add an access tunnel to the future indoor practice facility and foundation wall for future construction. Change Order # 36, 10/9/17, was approved for an increase of \$235,289 to add the installation of terraced seating on the third base line. Change Order # 39, 10/18/17, was approved for an increase of \$54,531 to revise the design of the scoreboard outer column wraps to include more masonry in lieu of metal panels. Change Order # 52, 10/22/17, was approved for an increase of \$331,194 to increase the graphic scope to optimize graphic contribution and improve the player, fan, and staff experience. Change Order # 53, 12/22/17, was approved for an increase of \$82,702 to upgrade the video wall in the player's locker room from three rows of monitors to four rows. Change Order # 42, 11/22/17, was approved for an increase of \$207,211 to provide necessary footing and backfill changes to portions of the wall in the right field corner due to larger than expected amounts of unsuitable soil with low bearing pressure and/or high organic content discovered during excavation. Change Order # 45, 12/1/17, was approved for a decrease of \$34,923 to provide a credit resulting from a change to the sprinkler design from an all dry sprinkler system to a combination of wet and dry systems throughout the project. Change Order # 47, 12/18/17, was approved for an increase of \$159,871 to provide necessary footing and backfill changes to portions of the wall in the center field due to larger than expected amounts of unsuitable soil with low bearing pressure and/or high organic content discovered during excavation. Change Order # 48, 12/18/17, was approved for an increase of \$64,145 to revise the foundation design for the Field Operations Building due to unsuitable soils found during excavation. Change Order # 76, 6/1/18, was approved for an increase of \$172,176 to replace the sod within the terrace seating areas along both first and third base with pervious precast concrete unit pavers. Change Order # 77, 5/25/18, was approved for an increase of \$151,354 to revise the scope for the graphics contract to include owner preferred revisions as well as accommodate future naming rights graphics to be incorporated at a later date. Change Order # 82, 6/1/18, was approved for an increase of \$190,841 for work related to soil remediation required after low bearing pressure and high organic content were encountered in the right and center outfield walls. Change Order # 83, 6/4/18, was approved for an increase of \$228,393 to remediate organic soils in the right field areas and for lime stabilization of the whole field. Change Order # 85, 6/22/18, was approved for an increase of \$35,434 to add conduit for audiovisual cabling in above ceiling locations. Change Order # 92, 7/16/18, was approved for an increase of \$42,481 to add rough in for future gas heaters above the Concourse linear metal ceiling and installation of 5 gas heaters at the Suite/Recruiting room outdoor areas. Change Order # 99, 7/27/18, was approved for an increase of \$53,739 to provide soil remediation required after low bearing pressure and high organic content were encountered in the right and center outfield walls. Change Order # 101, 8/15/18, was approved for an increase of \$121,474 to remove all remaining unsuitable soils encountered during excavation of the outfield walls, left-field retaining wall and tunnel, and right outfield areas. Adjust the grading, perimeter fencing, and concrete walks in right field between the scoreboard and Alumni Drive in order to facilitate a level temporary event space. Change Order # 105, 9/4/18, was approved for an increase of \$77,653 for additional equipment rental costs incurred over the course of several related change orders related to unsuitable soils. Change Order # 109, 10/23/18, was approved for an increase of \$35,358 to modify the mounting details for the 8 feet tall ornamental fence along the right field retaining wall. Change Order # 117, 11/2/18, was approved for an increase of \$32,514 for rock removal required for installation of the field drainage system. Change Order # 120, 12/3/18, was approved for an increase of \$66,455 to extend the general trades package for an additional eight weeks due to the schedule impact of unsuitable soils encountered during excavation. Change Order # 123, 12/14/18, was approved for an increase of \$29,023 for premium labor for the audio-visual (A/V) trade packages. **No change orders greater than \$25,000 this quarter.**

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Construct Research Building Capital Project

Project Number: 2425.00

Project Description:

Scope: \$171,630,200

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: 5	Cumulative Amendment Amount:	\$2,764,755
<b>Describe all amendments :</b>	Revised Contract Amount:	\$14,162,355

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. Amendment 3, 9/28/17, an increase of \$201,705 was approved for additional design and construction administration associated with installation of the second chiller in the Press Avenue utility plant and the modifications of the existing mechanical room HVAC systems. Amendment also includes an additional special inspections allowance associated with spline construction, fire stopping, and additional parking lot construction. Amendment 4, 2/13/18, an increase of \$230,400 was approved for additional design and construction administration services associated with infrastructure, plant facilities, and the vivarium cage-wash area. The amendment also provides for additional special inspections allowances associated with the spline and retaining wall construction, and geotechnical analysis. **Amendment 5, 1/15/19, an increase of \$131,405 was approved for additional design and construction administration services associated with infrastructure and plant facilities, as well as with further development of the interior of the building. An increase in special inspections was included as well.**

Contractor: The Whiting-Turner Contracting Company

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500057013	Original Contract Amount:	\$132,951,820
Total Change Orders to Date: 338	Cumulative Change Order Amount:	\$10,821,258
Low Bid:	Revised Contract Amount:	\$143,773,078
High Bid:	Contract Percent Complete:	99%

Number of Bids:

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

Change Order # 132, 12/18/17, was approved for an increase of \$35,430 to revise branch switches, OCPDs, and fused disconnect switches associated with roof mounted VRF heat pump condensing units per the final equipment submittal. Change Order # 133, 12/18/17, was approved for an increase of \$117,249 to install and operate new cooling in the mechanical room of the BBSRB. The mechanical tends to overheat and the construction of the new research addition has exacerbated the issue. Change Order # 135, 12/22/17, was approved for an increase of \$161,768 to enclose the lids of the east and west mechanical shafts and upgrade sixteen penthouse dampers from fire dampers to combination fire/smoke dampers. Change Order # 170, 2/23/18, was approved for an increase of \$39,217 to apply a 2 hour fire rated barrier for the exposed surface of the tube steel elevator guide rail supports. Change Order # 171, 2/23/18, was approved for an increase of \$47,384 to provide modifications to the first loor HVAC equipment serving the lobby, café, and future conference room. Change Order # 172, 2/23/18, was approved for an increase of \$33,189 to revise the reflective ceiling plans in various locations in the procedure rooms, first floor lobby , dry labs, and wet labs. Change Order # 173 , 2/23/18, was approved for an increase of \$54,528 to add the work associated with the floor drain trap primer installation and associated piping as it was inadvertently not assigned to a specific trade during the

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## CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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bidding process. Change Order # 175, 3/5/18, was approved for an increase of \$36,774 to demolish and replace the north College of Pharmacy entry stairs, wall, and canopy base. Stair lighting and storm line are included. Change Order # 180, 3/28/18, was approved for an increase of \$46,020 to install wireless access points to serve the exterior courtyard enhancing the use of the green roof area. Change Order # 185, 3/30/18, was approved for an increase of \$59,026 to install additional galvanized steel ladders and platforms in manholes 4 and 5 to accommodate the safe operation of all valves and equipment within. Change Order # 201, 5/2/18, was approved for an increase of \$29,272 to provide an asphalt pavement parking area at the generator building to provide secure parking for UK vehicles in the CUP area. Change Order # 208, 5/14/18, was approved for an increase of \$82,041 to install steel, grated access platforms with ladders over two sets of heat exchangers to provide access to valves and specialties above. Change Order # 210, 5/21/18, was approved for an increase of \$35,829 to remove and replace unsuitable soils in the area of the northern modular retaining wall with acceptable fill per contract specifications. Change Order # 222, 6/11/18, was approved for an increase of \$55,793 to modify the CUP to support the installation of chiller #6. These modification are necessary due to recent code changes requiring emergency refrigerant exhaust systems in a plant of this scale. Change Order # 224, 6/18/18, was approved for an increase of \$254,581 to provide temporary weather protection and heating to support construction activities required to maintain scheduled completion date. Change Order # 225, 6/18/18, was approved for an increase of \$58,166 to provide power to no less than forty-four fire/smoke dampers throughout the building. The power and fire alarm connections for these were not shown on the construction documents. Change Order # 227, 6/27/18, was approved for an increase of \$2,934,686 to fit-out the lower level cage wash area of the new facility. The old cagewash area serving the BBSRB was intended to serve the new Research Building 2 Vivarium when opened, but has become undependable in recent months. Change Order # 234, 7/16/18, was approved for an increase of \$25,072 to modify the area in the lobby where the video wall be installed to accommodate the equipment selected. Change Order # 235, 7/16/18, was approved for an increase of \$31,381 to install an alternate valve arrangement allowing for a wide range of operation the building steam system. Change Order # 236, 7/16/18, was approved for an increase of \$75,475 to provide bypass piping and valves around nine flow meters in the basement mechanical room and pent house mechanical room allowing for meter maintenance without disruption of service. Change Order # 242, 7/27/18, was approved for an increase of \$154,766 to provide additional cost for labor, equipment, and material associated with rock removal that was found to vary significantly in volume, density and composition from that expected in the area. Change Order # 244, 7/30/18, was approved for an increase of \$26,051 to revise the power to the Meefog system/skids. The system differs from the basis of design. Change Order # 246, 8/1/18, was approved for an increase of \$114,352 to reengineer and modify the glass walls and doors from 1/2" thick glass to 3/4" glass to support security devices associated with the new security system. Change Order # 250, 8/15/18, was approved for an increase of \$87,378 to provide end user requested modifications to the door hardware for various lower level doors. Change Order # 253, 8/8/18, was approved for an increase of \$34,016 modify the wet lab glass wall headers on levels two and three to make them more rigid and to serve as an acoustical barrier between the lab and the corridor. Change Order # 257, 8/14/18, was approved for an increase of \$65,665 for premium only overtime necessary to accelerate the building enclosure to meet construction deadlines. Change Order # 263, 8/20/18, was approved for a decrease of \$64,270 to provide a credit to the project for the deletion canvas insulated jacket on all piping above 8' in mechanical rooms. Change Order # 277, 9/4/18, was approved for an increase of \$29,212 to install a custom smoke curtain housing for elevator as required by code. Change Order # 288, 10/29/18, was approved for an increase of \$82,663 to fund the overtime cost differential to maintain schedule deadlines. Change Order # 290, 10/29/18, was approved for an increase of \$29,297 to install thirteen S1 type fixtures (8 foot or 4 foot as required by landing width) on landings where no light fixture is provided. Change Order # 307, 12/21/18, was approved for an increase of \$98,719 to install the new emergency transformer in substation 3 in an alternate location to accommodate future plans to expand the substation super structure. **Change Order # 309, 1/2/19, was approved for an increase of \$27,651 to install masonry pavers above the two entry vestibules, on the floor of the third floor balcony, and above the Stair D roof. Change Order # 319, 2/11/19, was approved for an increase of \$136,637 to modify the café, the lower level store room, and the future kitchen area to support a Starbucks point of sale kiosk. Change Order # 323, 2/11/19, was approved for an increase of \$95,557 to provide overcurrent protection for critical load distribution (CLD) feeders passing upward thru the building at the request of the electrical inspector. Change Order # 324, 2/11/19, was approved for an increase of \$69,064 to install elevator door smoke containment system for elevators B and C on levels 4, 5, and 6.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Construct/Expand/Renovate Ambulatory Care - UK Healthcare Capital Project (Department of Medicine Clinics)**

Project Number: 2480.00

**Project Description:**

Scope: \$12,000,000

This project will continue the renewal of the Kentucky Clinic Medical Plaza. The Department of Medicine Clinics occupies a large portion of the second floor of the Kentucky Clinic Medical Plaza and has significantly increased the patient load since the original construction of the facility in 1983. The planned renovation and expansion will create more usable exam rooms, enhance patient and staff circulation, improve waiting areas, and upgrade the HVAC systems to current standards.

**Consultant:** JRA Architects

Contract # A181080

Original Contract Amount: \$630,100

Total Amendments to Date: 1

Cumulative Amendment Amount: \$41,000

**Describe all amendments :**

Revised Contract Amount: \$671,100

Amendment 1, 2/13/18, an increase of \$41,000 was approved to provide additional design services as required to modify exam rooms as requested by UKHealthCare. **No amendments this quarter.**

**Contractor:** Marrillia Design & Construction

Contract # 7500149727

Original Contract Amount: \$4,532,600

Total Change Orders to Date: 019

Cumulative Change Order Amount: \$66,271

Low Bid: \$4,532,600

Revised Contract Amount: \$4,598,871

High Bid: \$5,253,755

Contract Percent Complete: 55%

Number of Bids: 5

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Expand/Renovate/Upgrade Law Building Capital Project**

Project Number: 2444.00

**Project Description:** Scope: \$56,000,000

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	Original Contract Amount:	\$3,426,488
Total Amendments to Date: 2	Cumulative Amendment Amount:	\$672,543
<b>Describe all amendments :</b>	Revised Contract Amount:	\$4,099,031

Amendment 1, 5/22/17, an increase of \$668,543 was approved to provide additional services needed for infrastructure and project scope adjustments since the initial contract. This includes added programming services and additional travel expense. Amendment 2, 6/21/18, an increase of \$4,000 was approved for additional design services to add an enclosure for trash and recycle compactors and provision of renderings. **No amendments this quarter.**

**Contractor:** Congleton-Hacker Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500078835	Original Contract Amount:	\$42,228,435
Total Change Orders to Date: 107	Cumulative Change Order Amount:	\$2,025,790
Low Bid:	Revised Contract Amount:	\$44,254,225
High Bid:	Contract Percent Complete:	75%

Number of Bids:

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

Change Order # 13, 2/7/18, was approved for a decrease of \$62,130 to provide a credit for post bid value engineering. Change Order # 21, 4/2/18, was approved for an increase of \$28,302 to provide structural repairs to the existing concrete structure to maintain structural integrity. Change Order # 29, 5/21/18, was approved for an increase of \$32,640 to change cabling form category 6 to category 6a as per UK-ITS standards. Change Order # 30, 5/21/18, was approved for a decrease of \$188,215 to provide a credit to reduce Sunesis' scope of work for hazardous material abatement based on unit prices and actual abatement. Change Order # 42, 7/27/18, was approved for an increase of \$45,436 to revise the smoke and fire dampers to a combination fire/smoke damper required per HB&C at penetrations of 2-hour rated shafts. Change Order # 55, 10/23/18, was approved for an increase of \$37,832 to provide expansion joints designed to permit thermal movement of the west and north trellis systems in a controlled manner. Change Order # 62, 10/31/18, was approved for an increase of \$252,033 add a centrally located compactor enclosure necessary to service Law along with other building in the vicinity. Work includes demolition of existing asphalt, electrical and data duct bank from Law School, water hydrant supplied from Law School, masonry enclosure with gates, concrete pavement, asphalt pavers, and asphalt. Change Order # 64, 11/19/18, was approved for an increase of \$234,534 to provide and install fixed tables in tiered classrooms 291 and 299. Tables were not properly scoped in original bid documents given to the vendor. **Change Order # 74, 1/23/19, was approved for an increase of \$48,830 to provide a second fiber entrance to the building and re-route the new fiber cable to Parking Structure #2 instead of McVey, thereby making connectivity at the Law Building independent from future work at McVey Hall. Change Order # 78, 2/11/19, was approved for an increase of \$503,412 to provide project site-work. This change order was issued to allow site development around the building to begin in order to maintain the schedule for occupancy while the Memorial Hall design is still going through the bid process. Change Order # 79, 2/15/19, was approved for an increase of \$139,642 to provide Memorial Hall site electrical work associated with the Law School project. Change Order # 85, 3/12/19, was approved for an increase of \$74,964 to provide Memorial Hall storm sewer site work associated with the Law School project.**

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**Facilities Renewal, Modernization and Deferred Maintenance (Phase I & II) Capital Project (Chemistry-Physics)**

**Project Number: 2446.1 & 2446.4**

**Scope: \$58,000,000**

**Project Description:**

Renovations in the Chemistry-Physics Building will provide centralized state-of-the-art laboratories, accompanying offices, and collaboration spaces on the third floor. The project includes the creation of modern wet-bench research labs and computational spaces. The second phase will include replacement of the building exterior, stair tower, freight elevator, and roof; construction of a new loading dock and entrance additions; and mechanical upgrades in the penthouse.

**Consultant:** Omni Architects

Contract #	A181090	Original Contract Amount:	\$272,500
Total Amendments to Date:	4	Cumulative Amendment Amount:	\$3,936,426
<b>Describe all Amendments:</b>		Revised Contract Amount:	\$4,208,926

Amendment 1, 3/1/18, an increase of \$1,676,074 was approved for additional design services as required to provide remaining phases of design, bidding, and construction administration. This amendment also provides for additional reimbursable services associated with plan review and special inspections. Amendment 2, 6/21/18, an increase of \$472,825 was approved for additional design services as required for additional construction scope to include additional daylight, views, and finishes, the partial penthouse, replacement of the third floor skin, and replacement of the roof as well as relocation of the rooftop observatory. Amendment 3, 10/18/18, an increase of \$15,000 was approved for additional design of the laboratory spaces. **Amendment 4, 1/15/19, an increase of \$1,772,527 was approved for additional design and construction administration services associated with additional project scope to upgrade building envelope and infrastructure. Also included are a site survey, a smoke evacuation model, and storm water MS4 permitting.**

**Contractor:** Wehr Constructors, Inc.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract #	7500136893	Original Contract Amount:	\$3,615,115
Total Change Orders to Date:	12	Cumulative Change Order Amount:	\$285,984
Low Bid:		Revised Contract Amount:	\$3,901,099
High Bid:		Contract % complete:	9%
Number of Bids:			

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Facilities Renewal, Modernization and Deferred Maintenance (Phase-I) Capital Project (Enoch Grehan Journalism Building)**

Project Number: 2446.20

**Project Description:** Scope: \$23,000,000

The modernization of the Grehan Building will completely restore and modernize the 1950's building, providing a modern and flexible building in the heart of campus. A connector between the Grehan Building and McVey Hall will complete Americans with Disabilities Act (ADA) regulated access to these two buildings and provide gathering spaces for students.

**Consultant:** Murphy Group Architects

Contract # A181140	Original Contract Amount:	\$1,606,000
Total Amendments to Date:	Cumulative Amendment Amount:	
<b>Describe all amendments :</b>	Revised Contract Amount:	\$1,606,000

**No amendments this quarter.**

**Contractor:** Turner Construction Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500143449	Original Contract Amount:	\$17,189,567
Total Change Orders to Date: 037	Cumulative Change Order Amount:	\$181,616
Low Bid:	Revised Contract Amount:	\$17,371,183
High Bid:	Contract Percent Complete:	40%

Number of Bids:

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Facilities Renewal, Modernization and Deferred Maintenance (Phase-I) Capital Project (Infrastructure)**

Project Number: 2446.30

**Project Description:**

Scope: \$5,000,000

The modernization initiative will restore and revitalize two prominent buildings, Chemistry-Physics Building and Enoch Grehan Journalism Building, within the campus core. Campus utilities are a critical component of the campus modernization effort and during the course of the renovations, dated and deficient infrastructure will be replaced.

**Consultant:** Staggs & Fisher Consulting Engineers

Contract # A181130

Original Contract Amount:

\$233,100

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$233,100

**No amendments this quarter.**

**Contractor:** Wehr Constructors, Inc.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500138941

Original Contract Amount:

\$2,605,961

Total Change Orders to Date: 022

Cumulative Change Order Amount:

\$820,073

Low Bid:

Revised Contract Amount:

\$3,426,034

High Bid:

Contract Percent Complete:

83%

Number of Bids:

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

Change Order # 2, 9/4/18, was approved for an increase of \$176,367 to relocate the vault due to found conditions regarding the location of the existing steam line between vault HPS106 and HPS28. **Change Order # 8, 10/5/18, was approved for an increase of \$65,981 to provide additional structural repairs to Vault HPS24. Change Order # 10, 12/14/18, was approved for an increase of \$35,322 to provide early valve installation for the high pressure steam (HPS) to minimize outages for Slone, Funkhouser, and the Quad.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Improve Building Mechanical Systems (Agriculture North HVAC) Capital Project**

Project Number: 2508.00

**Project Description:**

Scope: \$8,000,000

Originally constructed in 1964, Agriculture Science Center North consisted of 10 air handling units with constant volume reheat boxes and individual exhaust fans serving numerous different spaces. Those units have severely deteriorated and are affecting building air quality and pressurization. This phased project will replace and combine existing equipment that has reached its useful life cycles.

**Consultant:** CMTA Engineers

Contract # A191130

Original Contract Amount:

\$660,150

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$660,150

**No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Improve Clinical/Ambulatory Service Pool Capital Project (Cancer Services)**

Project Number: 2500.00

**Project Description:**

Scope: \$14,384,734

The project will address expansion of clinical services and the relocation of support and administrative services within the Markey Center and Chandler Hospital Complex including the following buildings: Roach, Whitney Hendrickson, Davis Mills, and Combs as well as other areas of Chandler Hospital. This will provide additional outpatient service space and create a permanent location for PET scanning.

**Consultant:** JRA Architects

Contract # A191080

Original Contract Amount: \$643,163

Total Amendments to Date: 2

Cumulative Amendment Amount: \$304,538

**Describe all amendments :**

Revised Contract Amount: \$947,700

Amendment 1, 10/15/18, an increase of \$4,900 was approved for additional design services as required to provide a planning study for the relocation of the specialty pharmacy. The relocation is necessary to allow space for the Cancer Center pharmacy which is a component of the project. **Amendment 2, 3/7/19, an increase of \$299,638 was approved for additional design services for some redesign, the addition of bidding and construction administration services, and additional design services related to programming work for relocating an existing Specialty Pharmacy enabling project.**

**Contractor:** Wehr Constructors, Inc.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500186356

Original Contract Amount: \$1,144,585

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount: \$1,144,585

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.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Improve Good Samaritan Hospital Facilities (UKGS Magnetic Resonance Imaging)**

Project Number: 2501.00

**Project Description:**

Scope: \$5,000,000

This project will address expansion of clinical services available at the UK HealthCare Good Samaritan (UKGS) campus by renovating an area in the main facility and installing up to two Magnetic Resonance Imaging (MRI) machines. The patient volume at UKGS continues to grow and expand. Current UKGS in-patients who need MRI services are transported to the main UK HealthCare Chandler campus for necessary testing. Outpatients have access to limited scope MRI testing within the Professional Arts Center (PAC) building on a machine that is past its useful life. As a result of the ongoing and forecasted future needs of this campus, expanded MRI capabilities are necessary within the hospital facility. Expanded onsite services will decrease the current inefficiencies and delays related to coordination and transportation of inpatients offsite for these MRI services.

**Consultant:** Stengel-Hill Architecture

Contract # A191100

Original Contract Amount:

\$231,875

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$231,875

**No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Improve Mechanical Infrastructure (Central Campus Utilities) Capital Project**

Project Number: 2493.00

**Project Description:**

Scope: \$7,500,000

The project will relocate all utilities (chilled water, steam, domestic water, natural gas, electric, and communications) out of the Kirwan-Blanding Residential Complex and Commons. The Kirwan-Blanding Complex has been decommissioned and is slated for demolition. In order to proceed with the demolition, all utilities will need to be relocated out of the complex to maintain uninterrupted service to buildings in the adjacent area.

**Consultant:** Staggs & Fisher

Contract # A181160

Original Contract Amount:

\$505,000

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$158,754

**Describe all amendments :**

Revised Contract Amount:

\$663,754

Amendment 1, 12/19/18, an increase of \$158,754 was approved for project bidding, contract administration, and KBC Plan Review fee. **No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Improve Student Center Space 1 - Harris Ballroom**

Project Number: 2506.00

**Project Description:**

Scope: \$4,700,000

The University's Student Center was originally constructed in 1938 and expanded in 1963 and 1982. It was further expanded and renovated in 2018 to more than 378,000 square feet, including an atrium, recreation area, lounges, conference facilities, entertainment venues, retail space, food service, bookstore, student organization spaces, and administrative support offices. The Center is heavily used by the University community and others with almost two million visitors annually. The Grand Ballroom in the newly expanded Student Center provides unique opportunities for multipurpose meeting space, but is unable to meet the growing demand for large multi-functional spaces on campus. The 2018 expansion/renovation project provided schematic design of the Harris Ballroom, but was unable to fit out this space due to budget constraints. Subsequently, the Harris Ballroom is currently a "shell space" in the Student Center. Completion is necessary at this time due to the extremely high demand for large multi-functional space at the University.

**Consultant:** Omni Architects

Contract # A191120

Original Contract Amount: \$391,140

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount: \$391,140

**No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

**Renovate/Expand Student Center Capital Project**

Project Number: 2396.00

**Project Description:**

Scope: \$201,250,000

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	Original Contract Amount:	\$10,104,022
Total Amendments to Date: 4	Cumulative Amendment Amount:	\$2,202,450
<b>Describe all amendments :</b>	Revised Contract Amount:	\$12,306,472

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. Amendment 5, 3/14/18, an increase of \$77,631 was approved to provide additional construction administration services. **No amendments this quarter.**

**Contractor:** Messer Construction Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500038441	Original Contract Amount:	\$159,391,604
Total Change Orders to Date: 603	Cumulative Change Order Amount:	\$13,300,594
Low Bid:	Revised Contract Amount:	\$172,692,198
High Bid:	Contract Percent Complete:	99%
Number of Bids:		

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

Change Order # 324, 8/22/17, was approved for an increase of \$54,389 to relocate the band tower to the Shively field site which will be the new band practice field. Change Order # 328, 8/22/17, was approved for an increase of \$50,546 to purchase and install the walk-in cooler/freezer for Panda Express. This will allow all of the coolers to be installed by a single contractor and streamline installation. Change Order # 329, 9/1/17, was approved for an increase of \$42,735 to provide various mechanical, electrical, and plumbing (MEP) changes required to meet Subway's updated corporate retail brand image. Change Order # 331, 9/1/17, was approved for an increase of \$45,931 to provide duct modifications and rework along with hanger relocation. The rework was revealed necessary as a result of building information modeling (BIM). Change Order # 334, 9/1/17, was approved for an increase of \$26,005 to provide the interconnecting piping between BP1 & BP3 utilities. The entrance locations changed between the issuance of the two bid packages. Change Order # 331, 11/13/17, was approved for an increase of \$48,251 to provide duct modifications and hanger relocation for Area C3/D3 and modification of the steam lines in Area E1. Change Order # 349, 10/9/17, was approved for an increase of \$29,191 to provide structural modifications necessary for the glass canopies to coordinate with curtain wall mullion locations and to provide additional cantilevered glass canopies. Change Order # 353, 10/23/17, was approved for an increase of \$81,613 to revise the wall mounted LED handrails to post mounted

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## CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

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LED handrails. Change Order # 356, 11/2/17, was approved for an increase of \$40,863 to revise the mechanical venting and electrical infrastructure in Area C and D to accommodate the revised outdoor fireplace models. Change Order # 448, 1/24/18, was approved for an increase of \$78,785 to provide a 1 temporary 1 hour rated partition. Change Order # 458, 2/2/18, was approved for an increase of \$31,167 to provide a cold water line and sump pump for the commercial washer area in Area A. Change Order # 462, 2/7/18, was approved for an increase of \$47,058 to provide for changes to the hardware for the digital kiosk. The ELO interactive touchscreen provides more desired long term functionality than the Viewsonic product line. Change Order # 463, 2/7/18, was approved for a decrease of \$29,232 to provide a credit for overhead and profit markup incorrectly charged on previous change orders. Change Order # 464, 2/9/18, was approved for an increase of \$27,524 to provide for changes necessary to coordinate audiovisual equipment and installation between bid pack's 3 & 4. Change Order # 466, 2/9/18, was approved for an increase of \$58,261 to provide for a model change for four ovens in the catering kitchen. Change Order # 471, 2/16/18, was approved for an increase of \$25,385 to provide additional electrical and data outlets necessary for the point of sale system and to provide power for food service equipment. Change Order # 475, 2/23/18, was approved for an increase of \$37,213 to wax the epoxy terrazzo floors in phase 2 and phase 3 areas. Change Order # 479, 2/26/18, was approved for an increase of \$40,250 to provide additional lead abatement necessary in areas A and B. Change Order # 481, 3/6/18, was approved for an increase of \$66,733 to upgrade the street lighting to match the upcoming future street improvements along Avenue of Champions/Euclid. Change Order # 505, 3/28/18, was approved for an increase of \$45,779 provide concrete pads at ADA bollards in specific locations. The bollards cannot attach directly to brick or smaller concrete pavers and need to be secured to concrete in these locations. Change Order # 506, 3/28/18, was approved for an increase of \$42,335 to adjust framing, blocking, and openings in the Cinema per the audiovisual requirements. This is to achieve Dolby Digital certification and optimal sound and viewing. Change Order # 507, 3/30/18, was approved for an increase of \$108,373 to add 3/4" fire-treated plywood strips for the fabric panels in the Cinema. This is necessary for attachment. Change Order # 510, 4/2/18, was approved for an increase of \$45,027 to provide additional load support by increasing the stud gauge thickness for exterior cold form metal framing at brick veneer locations. Change Order # 512, 4/4/18, was approved for an increase of \$203,912 to backfill the soil removed during abatement for utilities along Avenue of Champions. Change Order # 513, 4/11/18, was approved for an increase of \$56,761 provide extended temporary utility service to the site, building, and Messer office trailers. Change Order # 521, 4/16/18, was approved for an increase of \$40,304 to provide a one hour fire partition at two locations in the Blue Box Theater and an added shaft wall in Stair D. Change Order # 522, 4/16/18, was approved for an increase of \$62,136 to add electrical connections to smoke dampers and hold opens omitted from Bid Pack 3. Change Order # 528, 5/2/18, was approved for an increase of \$34,949 to provide miscellaneous electrical changes including a disconnect switch for a grill furnished by Aramark, conduit re-route in shell space, integration and remote observation of automatic throwover controls on power switchboards. Change Order # 532, 5/11/18, was approved for an increase of \$25,048 to provide additional duct and insulation due to revision of the cross bracing in area A2. Change Order # 540, 5/25/18, was approved for an increase of \$29,376 to change the entry door type to Barnes and Noble from wood to aluminum glazed doors allowing increased visibility into the store. Change Order # 542, 5/25/18, was approved for an increase of \$37,945 to provide additional door hardware to the Area B entry doors and vestibule to the Great Hall necessary due to use of salvaged original art-deco doors. Change Order # 549, 6/4/18, was approved for a decrease of \$46,957 to provide a credit for the Bluebox Theater curtains. The curtains will be ordered later when they can be field verified to properly fit. Change Order # 553, 6/11/18, was approved for an increase of \$37,291 to adjust framed walls and openings in Bid Pack 3 to accommodate specific micro tile configuration and product requirements in Bid Pack 4. Change Order # 559, 6/27/18, was approved for an increase of \$47,260 to provide conduit in areas unable to maintain the required cable tray clearance. Change Order # 560, 7/6/18, was approved for an increase of \$117,275 to provide a higher quality media player for the Microtile wall in the presentation lounge that will provide enhanced capabilities for the Visitor Center use. The change was necessary due to discontinuation of the originally selected media player. Change Order # 568, 9/4/18, was approved for an increase of \$47,059 to modify the decorative glass in Area B Level 2 identifying the student organizations. Also in lieu of decorative glass the branding walls adjacent to the Bluebox Theater will receive a vinyl wall covering utilizing graphic content. Change Order # 572, 9/24/18, was approved for an increase of \$26,047 to provide additional code, room, and overhead signage. Also provides for dimensional letters for named spaces. Change Order # 578, 10/11/18, was approved for an increase of \$27,016 to provide connection and power modifications necessary to coordinate with the audio-visual rack needs. Change Order # 580, 10/10/18, was approved for an increase of \$30,796 to provide additional signage as well as necessary wiring and lighting modifications. **No change orders greater than \$25,000 this quarter.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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

Project Number: 2457.00

**Project Description:**

Scope: \$16,200,000

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:** The Whiting Turner Contracting Company

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500129878

Original Contract Amount:

\$9,624,984

Total Change Orders to Date: 022

Cumulative Change Order Amount:

\$41,255

Low Bid:

Revised Contract Amount:

\$9,666,239

High Bid:

Contract Percent Complete:

78%

Number of Bids:

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

Change Order # 7, 11/2/18, was approved for a decrease of \$25,000 to credit the project with the remainder of the emergency cleaning allowance. Change Order # 9, 11/2/18, was approved for a decrease of \$50,000 to credit the project with a portion of the asbestos abatement allowance due to revised projections. Remaining funds will be reconciled later. Change Order # 10, 11/2/18, was approved for a decrease of \$40,000 to credit the project with a portion of the rock allowance due to revised projections. Remaining funds will be reconciled later. Change Order # 11, 11/2/18, was approved for a decrease of \$30,000 to credit the project with a portion of the miscellaneous mechanical allowance due to revised projections. Remaining funds will be reconciled later. Change Order # 12, 11/2/18, was approved for a decrease of \$30,000 to credit the project with a portion of the miscellaneous electrical allowance due to revised projections. Remaining funds will be reconciled later. Change Order # 13, 11/2/18, was approved for a decrease of \$35,000 to credit the project with a portion of the carpentry allowance due to revised projections. Remaining funds will be reconciled later. Change Order # 14, 11/19/18, was approved for an increase of \$36,605 to revise the drawings to coordinate with the linear accelerator's recently updated Halcyon Design Guide. **Change Order # 19, 3/12/19, was approved for an increase of \$189,351 for temporary shielding changes necessary during construction due to high occupancy use and close proximities to the existing TrueBeam vault radiation by workers during construction. The shielding modification was determined to be the most cost effective, have the least effect on construction schedule, and provide the required radiation protection during construction.**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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

Project Number: 2462.00

**Project Description:**

Scope: \$2,000,000

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.

**Consultant:** CMTA Engineering Consultants

Contract # A171140

Original Contract Amount: \$146,750

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount: \$146,750

Amendment 1, 1/9/18, an increase of \$25,000 was approved for additional mechanical and engineering design services associated with relocating an additional air-handling unit to the penthouse. **No amendments this quarter.**

**Contractor:** All State Heating & Cooling

Contract # 7500146000

Original Contract Amount: \$1,473,247

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid: \$1,473,247

Revised Contract Amount: \$1,473,247

High Bid: \$1,643,350

Contract Percent Complete: 60%

Number of Bids: 3

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Renovate/Upgrade Existing Housing (Delta Delta Delta Sorority) Capital Project**

Project Number: 2486.00

**Project Description:**

Scope: \$2,438,000

The project scope includes the addition of a meeting room seating 300 with added beds for 10 additional residents. The new addition will be two-stories with an unfinished basement. The addition will be approximately 5,600 GSF. The structure will be insulated concrete forms with hollow core structural planks and wood roof trusses. The exterior walls will be brick with stone accents. The roof will be sloped hip roof with shingles and low-sloped with thermoplastic membrane. The interior finished will be gypsum board walls, paint, wall covering, wood detailing, acoustical ceiling tile, ceramic tiling in restrooms. The project will also include renovation of the existing restrooms, finish upgrades in the dining hall and converting one room into an accessible unit.

**Consultant:** Ross Tarrant Architects

Contract # A181120

Original Contract Amount:

\$117,337

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$40,548

**Describe all amendments :**

Revised Contract Amount:

\$157,885

Amendment 1, 6/12/18, an increase of \$40,548 was approved for for addition of bidding and construction administration services, as well as allowances for plan review and special inspections. **No amendments this quarter.**

**Contractor:** Olympic Construction, LLC

Contract # 7500154766

Original Contract Amount:

\$1,933,000

Total Change Orders to Date: 027

Cumulative Change Order Amount:

\$53,460

Low Bid: \$1,933,000

Revised Contract Amount:

\$1,986,460

High Bid: \$2,352,000

Contract Percent Complete:

66%

Number of Bids: 3

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

**Renovate/Upgrade UK HealthCare Facilities (Phase I-I) - Endoscopy Renovation**

Project Number: 2402.15

**Project Description:** Scope: \$15,500,000

The Endoscopy Services project requires demolition and refurbishment of the existing Endoscopy /IR suite on the 3rd floor of Pavilion H.

**Consultant:** GBBN Architects

Contract # A171200 Original Contract Amount: \$1,129,500

Total Amendments to Date: Cumulative Amendment Amount:

**Describe all amendments :** Revised Contract Amount: \$1,129,500

**No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract # Original Contract Amount:

Total Change Orders to Date: Cumulative Change Order Amount:

Low Bid: 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) - Fit-up 5th & 12th Floors Pav A**

Project Number: 2402.90

**Project Description:** Scope: \$37,000,000

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:**

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Renovate/Upgrade UK HealthCare Facilities (Phase I-I) - Interventional Services Pav A, AH & G**

Project Number: 2402.13

**Project Description:** Scope: \$66,000,000

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.

**Consultant:** GBBN Architects

Contract # A171200	Original Contract Amount:	\$3,316,500
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Total Amendments to Date:	Cumulative Amendment Amount:	
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<b>Describe all amendments :</b>	Revised Contract Amount:	\$3,316,500
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**No amendments this quarter.**

**Contractor:** Turner Construction Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500130050	Original Contract Amount:	\$1,669,204
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Total Change Orders to Date:	Cumulative Change Order Amount:	
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Low Bid:	Revised Contract Amount:	\$1,669,204
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High Bid:	Contract Percent Complete:	
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Number of Bids:

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

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

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

Project Number: 2402.12

**Project Description:** Scope: \$11,000,000

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
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Total Amendments to Date:	Cumulative Amendment Amount:	
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<b>Describe all amendments :</b>	Revised Contract Amount:	\$355,000
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**No amendments this quarter.**

**Contractor:** Turner Construction Co.

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500130009	Original Contract Amount:	\$254,117
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Total Change Orders to Date:	Cumulative Change Order Amount:	
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Low Bid:	Revised Contract Amount:	\$254,117
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High Bid:	Contract Percent Complete:	
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Number of Bids:

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Repair, Upgrade, or Improve Building Systems - UK HealthCare Capital Project (Pavilion HA Air Handling Units 1, 2, and 3)**

Project Number: 2503.00

**Project Description:**

Scope: \$4,000,000

This project will replace three air handling units (AHUs) in the Chandler Hospital Pavilion HA. AHUs 1 and 2 service the third floor (Mother Baby Unit and Obstetrics) and AHU 3 services the 4th floor Pediatric unit. These AHUs, which were installed in 1992 and 1995, respectively, are in poor mechanical condition with failing fans and coils and do not meet the cooling load for the area. The replacement of the units will ensure patient safety and comfort, air quality, and compliance with regulatory requirements.

**Consultant:** CMTA Consulting Engineers

Contract # A191150

Original Contract Amount:

\$298,500

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$298,500

**No amendments this quarter.**

**Contractor:**

**No construction contract awarded to date.**

Contract #

Original Contract Amount:

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

High Bid:

Contract Percent Complete:

Number of Bids:

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

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CAPITAL CONSTRUCTION QUARTERLY ACTIVITY

Replace Greek Housing (Alpha Gamma Rho Fraternity) Capital Project

Project Number: 2384.00

Project Description:

Scope: \$4,875,000

This project will construct a 21,000 square foot facility for the Alpha Gamma Rho (AGR) fraternity at the corner of Rose Lane and Woodland Avenue in Lexington, Kentucky on land owned by the University of Kentucky. The new facility will house forty two members in two four-bed suites and seventeen two-bed units. In addition, the new fraternity house will include living and dining areas; a commercial kitchen; laundry area; study room; and a house mother's apartment.

Consultant:

Contract #

Original Contract Amount:

Total Amendments to Date:

Cumulative Amendment Amount:

Describe all amendments :

Revised Contract Amount:

This is a Design-Build Project. No consultant contract.

Contractor: Marrillia Design & Construction

\* Design-Build contract awarded by RFP process.

Contract # 7500130051

Original Contract Amount:

\$4,389,000

Total Change Orders to Date: 013

Cumulative Change Order Amount:

\$192,257

Low Bid:

Revised Contract Amount:

\$4,581,257

High Bid:

Contract Percent Complete:

94%

Number of Bids:

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

Change Order # 8, 3/27/18, was approved for an increase of \$36,063 to provide additional casework in team lounge. Also provides required electrical connections for owner furnished ribbon boards. Change Order # 5, 7/9/18, was approved for an increase of \$68,186 to change the accent brick to a natural stone masonry veneer to enhance the exterior building aesthetic. Change Order # 6, 8/20/18, was approved for an increase of \$97,218 to remediate the unsuitable soils encountered on-site that were not identified on the original geotechnical study. Change Order # 11, 10/17/18, was approved for an increase of \$27,027 to reinstate the shell space back into the common restroom space, provide frame in for new shower layout, and electrical outlets at counter height. Change Order # 13, 11/5/18, was approved for an increase of \$39,233 to modify the exterior wall at the east elevation of the building to enhance the appearance of the structure. No change orders greater than \$25,000 this quarter.

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**University of Kentucky HealthCare Disparities Initiative (Research Building 2 - Phase II)**

Project Number: 2499.00

**Project Description:**

Scope: \$40,000,000

The University's new 300,000 square foot Research Building #2 (RB 2) opened in September 2018 and is the result of a partnership between the Commonwealth and the University. This facility's goal is to enable multidisciplinary research teams to work together to develop solutions to the complex health disparities that plague the people of the Commonwealth of Kentucky, such as cancer, diabetes, obesity and substance abuse. Phase II includes the buildout of fourth and fifth floors as well as the balance of the vivarium in RB 2.

**Consultant:** Champlin Architecture

Contract # A191070

Original Contract Amount:

\$2,065,800

Total Amendments to Date:

Cumulative Amendment Amount:

**Describe all amendments :**

Revised Contract Amount:

\$2,065,800

**No amendments this quarter.**

**Contractor:** Whiting-Turner Contracting Company

Note: This is a 'CM-At-Risk' contract awarded by RFP Process. Contract value will be increased as subcontracts are bid and awarded.

Contract # 7500161846

Original Contract Amount:

\$26,720,470

Total Change Orders to Date:

Cumulative Change Order Amount:

Low Bid:

Revised Contract Amount:

\$26,720,470

High Bid:

Contract Percent Complete:

3%

Number of Bids:

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

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

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**CAPITAL CONSTRUCTION QUARTERLY ACTIVITY**

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**Upgrade/Renovate/Expand Grain Center of Excellence Capital Project**

Project Number: 2458.00

**Project Description:**

Scope: \$16,746,000

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

Original Contract Amount:

\$1,199,385

Total Amendments to Date: 1

Cumulative Amendment Amount:

\$18,945

**Describe all amendments :**

Revised Contract Amount:

\$1,218,330

Amendment 1, 6/21/18, an increase of \$11,445 was approved for additional special inspections for site work testing. Amendment 2, 10/18/18, an increase of \$7,500 was approved for additional design services for redesign of three labs.

**No amendments this quarter.**

**Contractor:** A&K Construction, Inc.

Contract # 7500140752

Original Contract Amount:

\$13,546,000

Total Change Orders to Date: 025

Cumulative Change Order Amount:

\$290,512

Low Bid: \$13,546,000

Revised Contract Amount:

\$13,836,512

High Bid: \$13,798,000

Contract Percent Complete:

70%

Number of Bids: 2

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

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

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