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# FACILITIES SERVICES SUMMER BREAK PROJECTS 2020

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August 12, 2020



THE UNIVERSITY OF  
TENNESSEE  
KNOXVILLE

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FACILITIES SERVICES

# A DIFFERENT KIND OF REPORT

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This time of year we typically send out a report with all of the amazing renovations, repairs, upgrades and project work that Facilities Services employees were able to complete between the end of Spring semester and the start of Fall. As you well know, this summer has been different from any in Facilities Services history. For that reason, this year's report looks different too.



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## Campus Space Closures

Facilities Services plays an integral role in campus emergency operations. As more and more people return to campus, we worked through a plan to close spaces where someone who displays symptoms or tests positive for COVID-19 has been present within 7 days. This sounds like a simple undertaking, but in practice, it's far from it. Space closures on campus require cooperation from all departments, and Facilities Services is ready to mobilize for any closure and/or cleaning and disinfection at a moment's notice. These closures require assistance from our Special Projects and Communications teams to coordinate closure with building stakeholders while Zone Maintenance and Building Services serve as our boots on the ground crews, making sure signs are posted, doors are locked and all affected surfaces are properly cleaned and disinfected in a way that meets or exceeds CDC recommendations. The Building Services team responsible for COVID-19 Clean-Up and Disinfection is made up of volunteers who were willing to serve on the front lines as we fight against the spread of this virus on campus.

## Filter Changes

CDC guidance emerged in late April suggesting that air circulation could play a key role in minimizing the spread of Coronavirus inside buildings. Immediately, our Zone Maintenance



team developed a plan of action to increase circulation wherever possible and change out more than 25,000 filters in each of our 200+ buildings. Those filter changes will be complete before the start of classes, adding yet another seemingly small way that Facilities Services is on the front lines of keeping campus safe.



## Hand Sanitizer Stations

Building Services and Zone Maintenance have collaborated on the procurement, branding and placement of 1,436 mobile hand sanitizer stands across campus. These hand sanitizer stands will be refilled by Building Services as needed and can be relocated to higher traffic areas as needed. Yet another measure taken to ensure the safety of all who come to campus.

## Touchless Faucets & Paper Towels



With tens of thousands of individuals on campus at any given point during the semester, the EOC has made every effort to reduce touch-points wherever possible. One such way we're reducing contact with shared surfaces is through the installation of 450 touchless faucets across campus. Zone Maintenance and Utilities have worked together to complete 100 of these

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installations with the remaining 350 scheduled for installation prior to the start of classes. In addition, paper towels have been placed in all bathrooms as an option for drying hands. While whether or not hand dryers are effective against COVID-19 is inconclusive at this time, providing both the dryers and towels give those on campus the opportunity to choose what is best for them.



## Classroom Plans & Resets

Social distancing has become increasingly important as we've worked to plan and implement classroom set-ups for fall. Between our Design Services and Rapid Response Teams (RRT), we've completed modified classroom plans for 400 learning spaces on campus. Each room was surveyed for available space and maximum occupancy so that no one is ever closer than 6 feet apart in these rooms. After Design Services developed the plans, our Rapid Response Team went to work moving and removing furniture, changing classroom configurations and preparing those spaces for a much lighter occupancy. At present, RRT has rearranged 422 classroom spaces and completed 80 additional moves on campus.

## Concord Warehouse Makeover

As the RRT is removing furniture from spaces where it's presently not needed, we needed a clean, dry storage space for a large number of chairs, tables, etc. Thankfully, we have access to a warehouse on Concord that would eventually be the perfect space for this. This space would not have been suitable for this use if it had not been for the quick and diligent work of many team members throughout Landscape Services, Sanitation Safety and Zone Maintenance. This crew spent many hours cleaning, making repairs and removing pests from this space so that the stored furniture would be well kept and maintained until the day COVID-19 is no longer a threat to our campus and community.



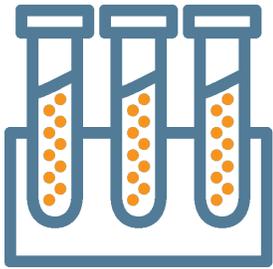
## COVID Signage on Campus

Zone Maintenance has worked closely with UT Printing and Mail Services to install more than 4 miles of vinyl signage reminding students, staff, faculty and fans to keep their distance, wear their masks and practice good hygiene to

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minimize the spread of COVID-19. This signage has been installed across campus both in interior spaces like elevator lobbies and residence halls and exterior spaces like amphitheaters and on the Pedestrian Walkway.

## Surveillance Testing Sampling Ports



The ability to test larger populations of students for COVID-19 within Housing became a growing concern after Spring Break as the EOC worked with the Policy Group to envision what Fall could

bring. Naturally, Facilities Services was at the table to discuss potential testing options, and when it was decided upon to utilize surveillance testing through sample ports in the sanitary system, Plumbing Services went right to work installing ports to ensure ease of access for hall-wide testing in each of our dorms on campus.

## Outdoor Study Spaces & Hammock Stands

At the request of Chancellor Plowman, Landscape Services and our Landscape Architecture team went to work re-imagining outdoor spaces as potential socially distanced “hang outs” for students to study, rest and relax between classes. As a result, Facilities Services will be putting up 12 large tents and utilizing 4 existing covered spaces for this purpose. We’re also in the process of installing 75 hammocking spaces throughout campus to allow students the opportunity to spend time outside in a safe manner.

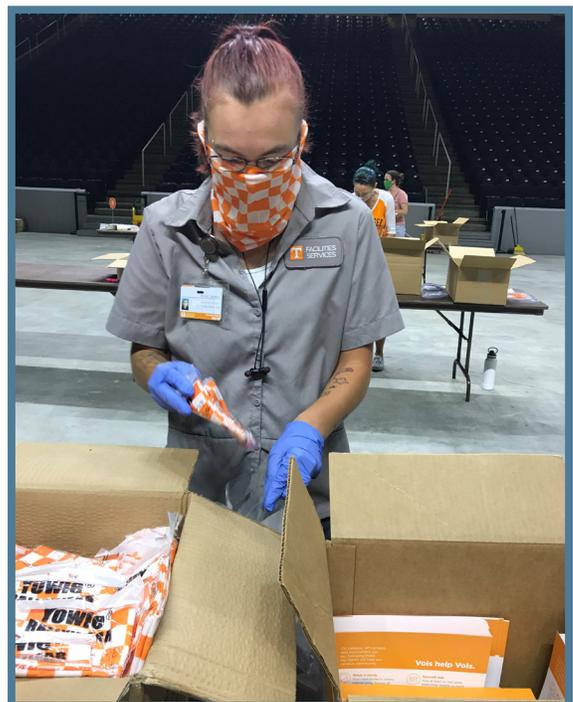
## PPE Procurement & Distribution

In early 2020, our Central Supply and Zone Maintenance teams had the forethought to get ahead of the ball in procurement of Personal Protective Equipment (PPE). Thanks to their quick action, we’ve been able to supply campus with masks, gloves and face shields (where necessary) and continue to do so as we move into the fall semester.



## Wellness Kits

Several staff members from Facilities Services joined alongside a total of 230 volunteers to assemble 50,000 Wellness Kits that will be distributed to all students, staff and faculty upon their return to campus. More than 500 hours went into the assembly of these kits which contain thermometer strips, face coverings and information on staying well this semester.



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## IT in Facilities Services

Much of the work our IT team does is behind the scenes, but as we prepared to move most of our staff to a telework platform at the urging of the Policy Group, IT stepped up to make sure all employees had access to what they'd need while working from home. Throughout the pandemic, they've sent home 58 computers and 17 WiFi hot spots with Facilities Services staff. Because the nature of our work is very specialized, some staff require additional equipment. IT prepped and sent home several additional monitors and scanners to ensure the success of telework for those at home. They've completed hours of coaching for Remote Desktop and UT VPN usage as well as tutorials on operating Zoom.



They've assisted with the initial set-up and mobilization of our Facilities Response Center and set up 10 laptops for dedicated use in the EOC while also installing 23 of this year's Computer Upgrade Program computers for our department, all while preparing for the upcoming release of a new version of Archibus. To say they've been busy is an understatement!

## How Business Services Supports COVID Work

Dealing with the pandemic that is COVID-19 is just like any other day to the folks in the FS Business Office, the only exception is that they wear masks under the 'new' normal! Discipline, long hours and determination account for the focus needed to close out any fiscal year...and the COVID-19 pandemic project coordination

and financial records administration is no different.

Our accounting specialists and project coordinators have dedicated many hours to our unseen enemy. They have worked closely with Central Supply, our FS Maintenance Department, FS Building Services Department, FS Construction Services Department, and our Directors to assure that we are meeting the needs of this university, be it contract adherence, purchasing and payment procedures, or project records keeping. Below is a list of the COVID-19 project coordination activities of which you may not be aware:

- Phase 1 of the original COVID-19 project was initiated on March 5, 2020, and included 54 individual shop work requests for the Facilities Services Department. This project is just one (1) of roughly 1,000 projects that were closed by the FS Business Office during the FY19-20 fiscal year. We are now in Phase 2 of the COVID-19 project...



- At its close, the COVID-19 Phase 1 project (material only) was \$777,071.71 (that's just the March-June number)! Phase 2 is well under way...with a current total value of \$332,000 in PAID material purchases on 114 PDs...but the year is young!

- The COVID-19 Phase 1 project included 198 PD (Purchase Documents), with a total of 869 invoice payments from March 5th to June 30th...again, that's just Phase 1...in a work from home environment.

- Of course, no project is ever complete without

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paperwork...COVID-19 Phase 1 accounted for 200+ pages of required documentation to adhere to university policies and procedures.

## THE HIDDEN PARTS...

- There are other parts of the COVID-19 efforts that may be hidden to you. Our project coordinators, added over 50 projects for Plexiglas COVID-19 protection for our campus; 20 of these projects are complete, 30 of these projects are in process. Certainly, with the return of faculty, staff and students, there will be more of these types of projects. ALL of them will have to be completed according to university policies and procedures...more paperwork!

- Did you know that we have another dedicated COVID-19 project as well? Project #2 includes COVID-19 support for things that can be funded from CARES funding—This includes classroom preparation, classroom sanitation (including Belfor work), classroom social distance signage, classroom work in support of OIT technology work. Project #2 will be billed monthly.

This is just a brief outline of the time and effort that our Business Office accounting specialists and coordinators have dedicated to The University of Tennessee's battle with COVID-19.

## Central Supply & Warehouse

It is somewhat difficult to outline and/or define the amount of effort that our Buyers have put into their work, so far, during this COVID-19 pandemic. Some of our Buyers have dedicated most of their time addressing issues concerning this deadly enemy that we cannot see. They have worked closely with our Maintenance

Department, Building Services Department, and our Directors working at the EOC to help satisfy our immediate and long-term needs. Here is a condensed list of things that they have played a role in:

- They have procured over \$1.5 million in materials and equipment to support the University with COVID-19, excluding our normal operations.



- They have researched, sourced, and procured several items such as: alcohol; hand sanitizers; varied types of face coverings, 3ply surgical masks, band an as, gaiters, cloth masks, branded masks, KN95 and some N95 masks; isolation gowns (for Student Health); disinfectant; disinfectant wipes; spray bottles; stanchions; signs; peroxide; Tyvek suits; nitrile alcohol; hand sanitizers; varied types of face coverings, 3ply surgical masks, band an as, gaiters, cloth masks, branded masks, KN95 and some N95 masks; isolation gowns (for Student Health); disinfectant; disinfectant wipes; spray bottles; stanchions; signs; peroxide; Tyvek suits; nitrile gloves; goggles; Plexiglas dividers and partitions; and etc .....

- Spent countless hours researching, emailing and talking with vendors to find the best prices along with the best lead times available on products, while in competition with facilities from all over the world who are trying to procure many of the same items that we are.

- Preparing NOs for large orders that needed

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to be ordered immediately to prevent someone else from getting it first.

- Helped prepare and place over 100 air filter orders with AAF alone in order to replace 'every' filter on the main and ag campus.

- Set up an account with 'Build a Sign' for all the sandwich boards being used campus wide to inform Faculty, Staff, Students, and Visitors of UT's policies and restrictions on entering buildings.

- Worked with our Safety Committee on the OSHA-10 proposal, which developed on line training opportunities for interested Facilities personnel along with discussing safety issues, concerns and possible solutions to stay safe during these times.

- Set up accounts and contracts with various vendors to procure materials in a more expeditious manner.
- Expediting orders, dealing with item cancellations and trying to find alternate vendors who could supply materials in a timely manner.

- Helped to track the EOC procurement, spending, receiving, and distributing of products through Zone Maintenance.

This is just a brief outline of the time and effort that our Buyers here at Facilities Services have dedicated to The University of Tennessee's battle with COVID-19.

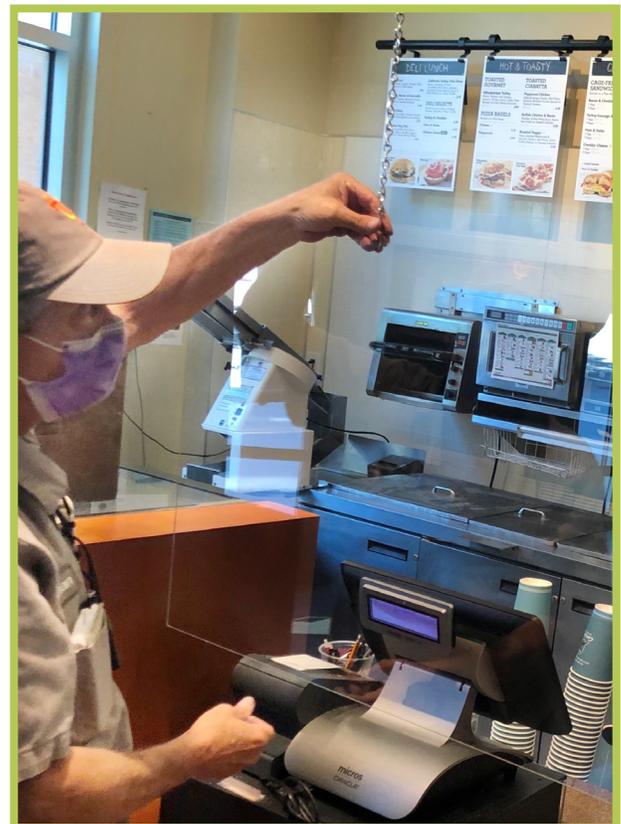
## Construction Installations

As we've detailed in this report, the return of

staff, students, faculty and fans brings a new set of challenges as we sift through research data detailing the most effective forms of maintaining distance and minimizing the spread of germs on campus.

Our Construction Services crew has been instrumental in this process as the demand for acrylic barriers (Plexiglas installations) began to grow. Our Construction Services team has built and tested several different forms of these barriers before deciding on the most attractive and affective options for various spaces across campus.

At present, we've received more than 360 requests for acrylic barriers across campus. We've successfully completed construction and installation of these barriers in 225 locations. The remainder of installations is slated to wrap up by the beginning of the academic year.



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## Training Team

Much like the IT Team, the function of our Training team shifted in the way they offer support as most of our team began a season of working from home. As a large portion of Facilities Services employees perform tasks on campus that cannot be done from home, Training looked at creative and compassionate ways to allow those field employees to work full weeks while at home and unable to perform their typical duties. Training assembled, administered, graded and uploaded hundreds of packets stocked with hours of training for each employee while remaining available for questions and assistance as often as possible, even outside of the typical 8-5 schedule at times. With multiple shifts across Facilities Services, it stands to reason that those who are telecommuting are working around the clock. Training went above and beyond to provide clear instructions on how to access both paper and digital copies of training whenever applicable.



As a result of their hard work, Facilities Services employees were able to complete 7,116.25 hours of training between March 16 and May 31. It's our hope that these thousands of training hours will

stick with our team for years to come, making us a stronger department as we serve campus and support the mission of UT.

## Great Service, Reduced Staff

Landscape Services' biggest accomplishment this summer was completing their normal work load with a reduced staff. Since they could not fill vacant positions due to the hiring pause, they sought out creative ways to keep campus looking good. With less people on campus, conditions were optimal for Landscape to make much progress while operating with reduced staffing.

They were able to complete several landscape projects such as landscaping the west side of Walters Life and Burchfiel Geography. They also cleaned up and landscaped the slope next to Crops Genetics on the AG campus and spent a lot of time working on improving site line issues on Volunteer Blvd. Landscape Services also plays a major role in completion of our Volunteer First Impressions projects, many of which are nearing completion.



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Landscape also stepped in to offer assistance to the UT Office of Sustainability's Recycling crew on several occasions where they needed help hauling things as their own staff was stretched thin. They also helped clean and prepare the warehouse at Concord so it could be used to store furniture from classrooms. To sum things up, Landscape Services did their part to assist any group they could offering labor, trucks or tools to complete projects in addition to their own summer workload. Most importantly, this team managed to keep smiling and providing top notch service, even when things were really tough.

## Energy Management & Sustainability

With reduced staffing in buildings across campus, most of the energy cost savings effort was toward COVID response. During the period of low activity on campus, we were able to adjust run schedules for HVAC systems to reduce costs where possible.

From a Sustainability perspective, the closure of campus didn't slow down the effort to Make Orange Green. In fact, the Office of Sustainability used this unique set of circumstances to their advantage by relying on digital platforms to promote sustainability to our campus community in new and interesting ways. Giving up was certainly not an option as they seek to educate and modify learned behavior so that waste reduction and recycling are at the forefront of conversations this fall. From March - July, the Office of Sustainability rightfully boasts the following:

- Created the 5-week "Make Orange Green Ambassador" Certification Program as a course

in Canvas, which ran May 18th through June 24th. The course included synchronous sessions each week along with asynchronous content for learning about campus and global sustainability topics and ways to get involved. A total of 40 people completed all the assignments and requirements for the full 5-week certification program this summer, and another 17 people participated in various aspects of it.

**MAKE ORANGE GREEN**  
*ambassadors*

THIS IS AWARDED TO

*Smokey*

for completing the 2020  
Ambassador Certification.



- Oversaw creation and operation of the End Hunger/FEED Change website (<https://endhunger.utk.edu/>) and social media (<https://www.facebook.com/End-Hunger-UT-111155680523306/>) And (<https://www.instagram.com/endhungerut/>).
- Chaired the Student Engagement subcommittee of the End Hunger/FEED Change Working Group.
- Facilitating the donation of 50 bikes from Pace/City of Knoxville to students in need on campus. Partnering with SGA, Rec Sports, and Student Success to ensure bikes are ready and delivered to students who need them the most.

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- Facilitating the distribution of free menstrual cups to students on campus in early fall semester. Partnering with an outside organization to provide them as well as Student Health, the Student Basic Needs Coalition, and other partners on campus.
- Reviewed guiding documents and provided feedback for the Big Orange Pantry, the new food pantry that will open in Fall 2020.
- The Grow Lab kept plots available for Be Well project members to practice a safe outdoor, socially distant activity and help reduce their food insecurity.
- Donated 4 produce harvests of broccoli, cabbage, mustard greens, kale, and onions from the Grow Lab to the Love Kitchen. Donations on-going with potatoes, tomatoes, peas, squash, and corn throughout the summer.
- Created Free Store Operations Manual laying out Covid specific policies and contingencies for Fall semester. This includes several different plans that can be rolled out as needed that allow us to serve increasing student needs in a safe, controlled way as well as cleaning protocols and areas for increased development. We have worked to partner with the Student Basic Needs Coalition on this project to bring more student leadership into the planning and running of the Free Store.
- Redesigned Public Recycling Drop-off to be touch-free so people were still safely able to bring recyclables 24/7/365 in the midst of the pandemic.
- Reviewed Neyland Stadium renovation plans to ensure adequate space for recycling and waste collection and processing which resulted in redesigns of passageways for more efficient movement of materials and designations of additional space for waste and recycling.
- Screened and delivered 78 cubic yards of organic compost to the ETREC Organic Crops Unit. We will deliver a total of 120 cubic yards by the time we finish.
- Created training video for training Resident Assistants in all the Residence Halls on sustainability and recycling: <https://www.youtube.com/watch?v=Mt-D1CSLIPY>



- Created “installment” signage for the sign holders in several restroom stalls to promote sustainable behavior and educate on initiatives
- Coordinated donations from students moving out of residence halls amounting to donations of 11,187 lbs. of clothing and household goods to Goodwill Industries of Knoxville.
- Reduced trash dumpster frequencies all across campus, resulting in savings of over \$40,000 in avoided service fees since March.

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- Kept lightly-used paper towel dispensers for redeployment to bathrooms, delivering them to cleaners/installers.
- Facilitated resale, through Surplus, of all empty 55-gal and 2.5-gal containers of sanitizing solution purchased for campus.
- Taught First-Year Studies class in Spring 2020, incorporating sustainability topics into the curriculum.
- Designing and teaching TRNS 201 class for transfer students in Fall 2020.

## Design Services - Busier Than Ever

As most of Design Services entered the new territory of telework, there were a lot of projects that had to continue as planned and many new projects that emerged as preparation during the pandemic.



Design Services was instrumental in creating, editing and photographing classroom occupancy plans as well as outdoor spaces occupancy drawings. They also consulted with several campus departments to advise on the placement of COVID related signage across campus, developed exterior signage locations and messaging for these spaces and created installation template packages for signage installation crews in interior and exterior spaces.

For this to happen, Design Services spent countless hours researching and developing a strategic plan for classroom and other spaces across campus to allow for social distancing while still maintaining inspiring environments. They also studied and designed more than 300 acrylic wellness screens, diligently worked to track FFE inventory and assisted teams on proper methods for addressing FFE during the pandemic.

## Facilities Family Support Center

As the pandemic began forcing closures across the state, it was evident that many of our employees could face hardship, whether financial, physical or emotional. We decided that the best way to care



for our employees was to set up a Facilities Family Support Center (FFSC) coordinated by Veronica Huff. The FFSC was formed as a confidential safe space for employees to ask for whatever help they may need. Veronica became well-versed in knowledge regarding the campus Employee Assistance Program (EAP) offered through UT HR and assisted staff however needed. To date, the FFSC has helped dozens of employees with expenses, physical needs and emotional support related directly to the pandemic.

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## Finding Solutions & Filling Bottles

With the pandemic looming, Facilities Services set out to secure cleaning and disinfection products ahead of the curve. However, many national suppliers were already limited in stock, so Facilities Services took action by purchasing products in bulk that were then dispensed into individual bottles by our team. Zone Maintenance led the effort in filling bottles with disinfectant products that meet or exceed CDC guidelines both safely and efficiently to ensure all buildings on campus would have easy access to cleaning and disinfectant agents come fall. It's estimated that they've filled roughly 7,000 bottles during this time.



main lobby to encourage social distancing. Floor markers were placed, masks were made available and a hand sanitizing station was present and stocked at all times. Construction Services installed an acrylic barrier at the front desk to provide further protection, and thanks to all of these measures, the Key Shop front office has remained open for key drop and pickup the entire time.

In University Housing, more than 500 lock changes took place at an accelerated pace as the spring semester was cut short on campus.



## Safe Operations at Lock & Key Services

When your department is home to Lock & Key Services, you have to find new ways to operate so that you're available to customers as needed. Typically, the Lock & Key Shop operate in a very open manner, but that was too risky in light of COVID-19. Lock & Key Services went to great lengths to ensure the safety of their customers and employees by routing customers to enter through the back entrance and closing the



## Volunteer First Impressions

The week of Spring Break was the final week of our Volunteer First Impressions contest winner check presentations, and as you can guess, COVID threatened to steal the show. Thanks to the hard work and diligence of our Facilities Services team, COVID proved no match for their commitment to these projects. All 15 projects are nearing the finish line and are expected to wrap up in early fall. The 15 projects are:

Hodges/Melrose Courtyard –  
Submitted by Tyler Schlandt, Libraries Facilities Project Manager, UT Libraries

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UTPD Lobby -  
Submitted by Lindsey Miller, Sergeant  
Community Relations Unit for UTPD

Student Services Elevator Lobby -  
Submitted by Donna Spencer, Senior Editor -  
Creative Communications and Michael Smith-  
Porter, Project Coordinator for the Division of  
Enrollment Management

Stokely to A&A Path -  
Submitted by Tate Hill, Student

McCord Hall Improvements -  
Submitted by Geneva Lewis Andrew, Facilities  
Services

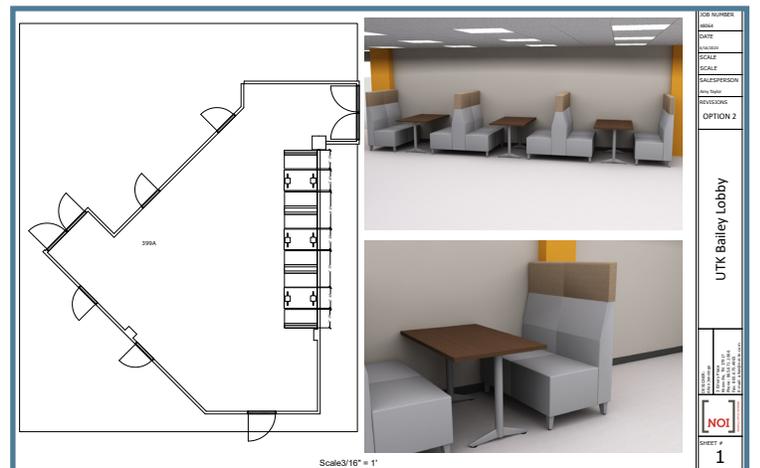
Greve Hall Key Shop Entryway -  
Submitted by Stacey Kitts, Key Shop - Facilities  
Services

McClung Museum -  
Submitted by Katherine Brown & Makayla Harmon,  
McClung Museum Student Interns



5th Floor Dunford Hall Elevator Lobby -  
Submitted by Shana Antrican, Administrative  
Specialist, Institutional Research and Assessment

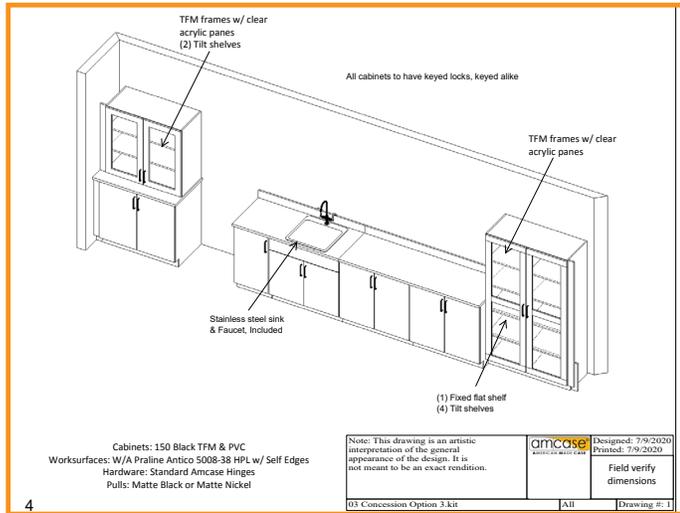
Dabney Patio -  
Submitted by Austin Hamilton, Student, FS Student  
Assistant



Bailey Education Lobby -  
Submitted by Bonnie Maples, Administrative  
Coordinator III, Instructional Services Center/  
College of Education, Health, and Human Sciences  
Web Manager

Student Health Entryway -  
Submitted by Debbie Blair, Business Manager for  
the Student Health Center

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## Staying Ahead of the Curve

Things change quickly during a regular semester, let alone, a semester like spring 2020. As campus moved to an online learning platform, Facilities Services was already hard at work preparing information to share with students, staff, faculty and fans regarding the research we've done and the measures we've taken to keep our community safe. After receiving a few questions on cleaning procedures and HVAC operations and how they relate to preventative measures for community spread, we released two memorandums detailing how our operational plans fall in line with current CDC guidance. Those documents can be found at [fs.utk.edu/utfs-response-to-covid-19/](https://fs.utk.edu/utfs-response-to-covid-19/).

Clarence Brown Concessions –  
Submitted by Hana Sherman, Grants and Outreach Manager for Clarence Brown Theatre

Area Beneath Stokely Management Center –  
Submitted by Kerry Roehr, Technology Integration Services (TIS) for Haslam College of Business

White Avenue Early Learning Center –  
Submitted by Tina Goodacre, Business Manager for Early Learning Center for Research and Practice

Office of Title IX –  
Submitted by Laura R. Bryant, Deputy Title IX Coordinator for Training & Evaluation

To read a more detailed description of the work happening in each of these spaces, visit: <https://fs.utk.edu/volunteer-first-impressions-2020-contest-winners/>



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## Capital Projects Updates

Over the summer, major capital projects on campus continued at an impressive pace with little interruption in progress. Below you'll see a list of those projects and an update on progress made over the summer.



Engineering Services Facility -

If you've been to campus, you've noticed that the brick and stone façade is underway on the west side of building. Clay tile roofing and windows are being installed, and Utilities and interior partitions are in process. This project is expected to wrap up in Fall 2021.



West Dining Hall -

Roofing and exterior window framing is currently underway. Interior ceilings and partitions are going up, and completion is scheduled for fall of 2021.



UTIA Surge Building -

UTIA Surge Building is receiving finishing touches at present. This building is scheduled to open Spring 2021.



UTIA Ellington -

Construction drawings are completed, and the project will bid this fall.



West Pedestrian Mall Extension -

Construction has commenced on Phase I and is roughly 50% complete at present. Underground utilities are in, and plans are in place to allow pedestrian and bus traffic to continue in this area. A portion of the mall nearest Hess Hall has been reopened for student use. Additionally the intersection of Andy Holt Boulevard and 20th Street will be

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improved and re-opened in time for the first day of class. Phase II construction is anticipated to begin in Spring of 2021.



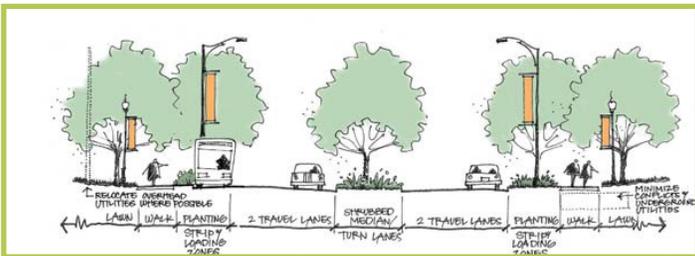
Second Creek Project -

This project consists of a rebuild of the KUB sewer main on the East side of Second Creek which required removal of a long section of the old line, installation of a temporary pump around of the sewage during construction, and construction of two new manholes and new pipe. The bank of Second Creek is since stabilized, and the jobsite is currently being cleaned up. This will be completed in the fall and will solve a major erosion problem on the east side of campus.



College of Veterinary Medicine Addition -

Construction drawings are complete, and this project is ready for bid.



West Volunteer Streetscape -

Due to the current pandemic, this project is currently on hold.

Perkins Window Replacement -

Window replacement will commence in September and is expected to wrap up by the end of fall semester.

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## Additional Project Work Completed

There are hundreds of other tasks and projects that have been completed by Facilities Services this summer, and while they aren't all directly related to the fight against COVID-19, they're worth mentioning. Especially as this work was completed under CDC recommendations for social distancing when possible and while wearing a face covering, no matter how high the temperatures climb.

Those projects include, but are not limited to:

### Utilities

- Change filters in air units and check for proper filtration with Zone Maintenance
- Reprogramming air handling units during spring shut down for energy savings. Switching back to normal programming for reopening buildings. Adjusting buildings percentage of fresh air / air turnover rate.
- Cleaned campus Ice making machines
- Testing of fume hoods
- Testing of outside air dampers
- Cleaning of evaporators to ensure proper airflow through systems for appropriate airflow per CDC/ASHRAE
- Cutting off water fountains not connected to bottle fillers
- Flush building mains on buildings that were closed.
- Meetings on AirFlow and Air changeout
- Training on proper cleaning of work areas and trucks
- Meetings on proper social distancing while working
- Adjusted to shift changes and schedule rotation

### Plumbing:

- Installing PVI water heaters in Jessie Harris, Alan Jones, and Hodges Library.
- Relocated sewer line at Thackston School.
- Installed main water lines at Reese and Carrick Halls for future tie in of Caledonia main water line.
- Repaired steam condensate line at Ellington Science and Burchfiel.

### A/C:

- Installed new water pumps, air separator, air handler, and heat exchanger at Bailey.
- Replaced chilled water valves in multiple AHU's at Mossman.
- Repaired York Chillers at Anderson.
- Rebuilt heating water pump at SMC.
- Completed repairs to chiller No.1 at Strong Hall.
- Replace mixing dampers on multiple AHU's at Min Kao.
- Room exhaust fan ductwork in IT room at Thompson Boling Arena.
- Replaced cooling tower make up water valves at SERF.
- Replace slide valve assembly on circuit 2 compressor for Daikin chiller at Alan Jones.
- Installed supplemental A/C system in the Vol Shop.
- Multiple Mini split heat pump system installation at Gate 21 Vol Shop.
- Replaced compressor at A&A.
- Mini split installation at the Business Incubator.
- Checking and diagnosing VRF units for commercial units in the Student Union.
- Assisted contractors with unit checks inside Jumbo Tron at Neyland Stadium.
- Installed 2 split A/C systems at Thackston House.
- Repaired Flue stack and made preparations for new boiler equipment at the Tennis Center.

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- Commissioned new VFD for Ahu at Hodges Library.
- Replaced MCC bucket for condenser water pump No.1 at the Vet Hospital.
- Repaired No. 2 Chiller at Haslam.
- Installed reach in cooler at Hess.
- Repaired VFD for cooling tower fan motor at Humanities.
- Replaced condensing unit and line set serving the central foods freezer at Presidential Court.
- Repaired AHU at Facilities Complex.
- Installed Mini split system at Prat Pavilion.
- Replaced compressor at Walters Life.
- Repaired York Chiller at Neyland Thompson.
- Repaired chiller at Jones Aquatic.
- Repaired Aeon unit at CRC and Environmental Landscaping.
- Installed central foods freezer at Presidential Court.
- Replaced condenser unit at Presidential Court.
- Compressed air compressor at Walters Academic.
- Repaired No. 2 McQuay chiller at Haslam.
- Preparing to tear down No. 1 Chiller at Humanities.
- Installed new air compressor system in the Andy Holt Chiller House

## Electrical:

- H.V. Cable terminations and pulled cable for LA 5 project on Campus. 80% complete.
- Remove cable and two H.V. switches at Dougherty Engineering

## Fire Alarm:

- Monthly and Yearly sprinkler, pump and fire alarm testing

## Security:

- Changing out card readers on buildings across

campus.

- Updating software for CARDAX.

## Steam Plant:

- Installed new brine tank.
- Remove and install condensate tank.
- Made repairs to #3, #4 and #5 Boilers.
- Replaced all air inlet filters on turbine.
- Repaired PVC valves on softeners.

## Sanitation Safety

- Mice catching at Brehm
- Caught 8 raccoons at Concord, with more to come.
- NEO performed ceiling scrapes at Carrick and Reese in a lot of rooms.
- BELFOR has been busy everywhere, a flood at the Arena, two floods at the Conference Center, etc.
- Monitoring and working to repair sink holes at Tom Black track.
- Addressing mold on campus where applicable.

## Landscape Services - Heavy Equipment

- TREC Intramural Field: Exploratory dig of sinkhole, backfill and asphalt.
- Sorority Village: Clean sediment from detention pond and replace Rip Rap.
- Raintree Street at Food Safety: Remove asphalt, concrete curb and sidewalk, fill in with soil for lawn area and install new fire hydrant.
- Thackston School House: Excavate for new sewer line installation.
- Steam Plant: Excavate roadway and install trench drain to divert water from parking lot.
- Reese Hall: Excavate for catch basin repair and parking lot improvement.
- Hess Hall: Excavate for sewer tie in.
- Crops Genetics: Remove vegetation.

# 2020 SUMMER BREAK PROJECTS

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- Sorority Village: Excavate for geothermal repair in 2 locations.
- UT Gardens: Assist with removal/installation of garden sculptures.
- Science and Engineering: Fill in for sidewalk repair due to water main break/sinkhole on Middle Drive.
- Carrick Hall/Reese Hall: Excavate for water line installation.
- Cherokee Farms, Concord Street and Stevenson Drive: Bush hog and boom mow.
- Hesler Biology: Remove shrubs for irrigation repair.
- Volunteer Blvd. Excavate for irrigation repair.
- Panhellenic: Pull shrubs at corner of Cumberland Avenue and Sixteenth Street for landscape improvement.
- Burchfiel Geography: Excavate for condensate leak.
- BESS: Excavate at rain garden and pull sidewalk for storm drain repair.
- Tom Black Track: Exploratory dig of sinkholes.
- Ellington Plant Science: Excavate for condensate leak.
- South and East Stadium: Excavate for condensate leak.
- 2101 Terrace Avenue: House demolition and landscape.
- Service and repair equipment.
- Pat Head Summitt Street: Excavate 2 locations to repair sinkholes in asphalt and ADA ramp.
- Pat Head Summitt Street: Excavate to reconfigure the entrance/exit to Staff Lot 23.
- Thornton Athletics: Excavate for condensate leak.
- Glazer Building: Remove old sidewalk for new installation.

## **Design Services**

- 2nd Creek KUB sanitary sewer replacement oversight
- 2nd Creek slope failure repair and bank stabilization design and oversight
- Water quality unit gauging and develop maintenance plan
- Dewatering basin design and implementation
- Steam plant permit renewal
- Estimates for annual paving
- Estimates for pavement markings
- Estimates for parking lot entrance improvements
- Monthly capitol project compliance inspections and associated reports for all projects
- Annual Stormwater report
- Update the Best Management Practices Manual
- Various annual training
- Emergency Aquatic Resource alteration permit for 2nd Creek
- Developed list of Stormwater outfalls needing maintenance
- Developed map of storm system inlets and pipe needing maintenance
- Planning annual Kayak Race for Stormwater Awareness
- Coordinating Greenway repairs and detours with City of Knoxville
- Project advisor for 2 online Engineering classes
- Drainage improvements on steam plant hill
- Floating wetland installation with Biosystems Engineering Professors
- Drainage plan review and advising for campus window and pressure washing contractor
- Sorority detention improvements
- Reviewing plans for upcoming projects
- Morrill Hall close out inspection/deficiency list
- Continuous campus inspection and stormwater

# 2020 SUMMER BREAK PROJECTS

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deficiency corrective action coordination

- Athletics Master Plan
- On-going meetings with Tickle College of Engineering and College of Arts & Sciences
- On-going chair for Stormwater Advisory Committee (hosting virtual meetings)
- Robo Mower Prototype – renderings and presentation for CPDC
- TREC Outdoor Pool Project – coordinating transition to ‘hold’ with design team and FP
- Cryotubs – coordinating transition to ‘hold’ with design team and FP
- NPHC Schematic Design
- Office of Equity & Diversity – designating ADA route during campus construction
- Exterior Wayfinding RFP
- White Hall Landscape Bid Docs
- Tickle Feature Wall – 1 year warranty
- Campus Master Plan – preemptive meetings/ data collection
- SERF Generator – design support
- Academic Storage – site/location studies
- Binova – coordinate meeting
- 2020 Architecture Portfolio Awards

Submissions

- Concord Master Plan
- Campus Sculptures – update map
- UT Gardens Signage
- UT Gardens Education & Discovery Center
- Band Tower and Pavilion Project
- Cherokee Farms Parking Lot – Construction management
- Consulted with UT Gardens at their new GATOP property regarding the installation of a new sculpture
- Coordinated approval with the City of Knoxville for conversion of Melrose Ave. from one way to two way traffic
- Cumberland Ave. Lighting and Signalization Upgrade

- Designed a plan to improve the vehicular entry into parking lot S23 from Pat Head Summitt Street. The first phase will be installed this summer.
- Explored different options for the mall crossing at Volunteer Blvd. due to settling issues from traffic
- Exterior Sign RFQ preparation assistance
- Facilities Services First Impression Contest – Developing plans for installation that have landscape and site furniture components
- Johnson Ward Pedestrian Mall construction management
- Tickle College of Engineering Site Wall – Conducted one year warranty walk
- Traffic Safety Committee – Conducted usual business
- White Hall landscape and irrigation bid set preparation
- Landscape plans for the following:
  - o Tyson Alumni House
  - o Fac. Services Front Bed
  - o Seasonal Color
  - o McClung Museum
  - o McCord Hall
  - o 1817 Melrose Ave.
  - o Student Health Clinic
- Variety of diagrams for irrigation and sod installation for Landscape Services
- Continued project management on Surge
- Continued project management on EESRB
  - o Final design review
- Continued project management on HVAC Systems Improvements (Dougherty, A&A, Hodges, Senter)
- Continued project management on Academic/ Research Storage Building
  - o Included efforts to determine new siting at Concord from Middlebrook
- Continued project management on Strong Hall

# 2020 SUMMER BREAK PROJECTS

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## ICPMS Lab

- Helped write Campus position paper on HVAC operations during COVID-19
- Conducted COVID-19 analyses on Music, ELC Research & Practice, Ceramics Building
- Engaged with Innovation South project on programming efforts
- Engaged with Innovation South project on programming efforts
- Worked with team completing Carousel replacement program
- Assisted Construction with Student Union Shell Space project
- Assisted Construction with Welcome Center Creamery project
- Assisted with preparation of SBC and THEC documentation
- Working with EHS, ZM, Utilities, and Construction on the development of Fire Impairment procedures
- Compared sightlines of A&A Restrooms to those of Hodges Library restrooms.
- Tracked down historic resources for the ESF's Estabrook Memorial
- Compared Bluebeam to PlanGrid
- Found punched opening discrepancies in ESF exterior
- Instigated a redesign of the ESF's brick spandrel brick pattern, to one that has fewer cuts and a better appearance
- Doublechecked Blaine's VE list for the ESF Dean's Suite for veracity
- Created Executive committee summaries for the ESF
- Brainstormed on future streetscape improvements
- Refined the casegoods order for the ESF Dean's Suite via compromises with users, the interior designer, and consultants
- Developed options for UTFS Construction to

- estimate (and for COAD to execute) in lieu of the A&A Improvements project:
  - A refresh of all restrooms
  - A replacement of certain plumbing fixtures
- Coordinated the AV at the ESF Dean's Suite
- Coordinated the AV submittal at the ESF proper, noting discrepancies with the project's AV and electrical drawings
- Participated in the correction of defective work at the ESF's Wing 4 west elevation
- Refined the furniture types for the ESF's Engineering Fundamentals Tutorial Center and Active Learning Classrooms
- Developed a process and shortlist for determining the candidacy and fate of historic buildings on UT's campus
- Guided TCE's development group on a visit to the ESF
- Guided Y-12 group on a visit to the ESF
- Pressed McInerney Windows for an installation schedule for the Perkins Window Replacement
- Created sprinkler work requests and purchase documents, and then processed them through Archibus
- Created kitchen hood work requests and purchase documents, and then processed them through Archibus
- Coordinated the user requirements for the ESF's ultra-secure Lab 13
- Confirmed that the clay tile on the ESF matches the submittal and matches recent campus precedent
- Ensured campus response to Lower Drive drainage improvement design
- Performed diplomacy with respect to ESF schedule crisis
- Coordinated the user responses to FFE choices for the ESF Dean's Suite
- Coordinated the user responses to FFE choices for the ESF proper

# 2020 SUMMER BREAK PROJECTS

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- Coordinated TCE and EHS responses to lab control area modifications to the ESF
- Documented campus spaces for the sake of future wellness screens and social distancing reconfigurations
- Created drawings showing various campus spaces rearranged according to social distancing requirements
- Observed an existing pipe penetrating the secured perimeter of the ESF's Lab 13
- Reviewed gable end revisions to the ESF
- Reviewed a door position switch substitution at the ESF
- Conducted regular construction administration site visits and documentation at the ESF
- Coordinated performance requirements of redesign of ESF door G110.1
- Coordinated parking closures along Lower Drive, for the sake of sidewalk there
- Coordinated DAS requirements for the Vet Med TLC Addition
- Reviewed elevations for the NSSR
- Provided information for award submissions for the ESF
- Co-ordinated dumpster requirements for East Skybox, as it affects the ESF
- Questioned curb cut at Lower Drive sidewalk
- Coordinated furniture implications of Lab 13 redesign on the base-building FFE package
- Documented OIT meeting with ESF's raceway sub
- Confirmed that hose bibs are required in ESF restrooms
- Confirmed ESF theming locations, and coordinated ensuing conflicts with AV locations
- Organized meeting of ESF team, Athletics, and UT Ops to review necessary preparations for Football 2020
- Coordinated door changes at Dean's Suite storage room, prompted by adverse field placement of vertical piping
- Coordinated interior signage requirements at the Vet Med TLC Addition
- Reviewed paint redesign at the ESF
- Discovered copestone deficiencies at ESF Wing 4 stair tower
- Discovered vertical control joint deficiencies at ESF west and south elevations
- Investigated white film issue on ESF clay tile roof
- Coordinated users' shelving requirements at the ESF
- Documented users' moving priorities at the ESF
- Enumerated limitations to installing new windows at Perkins during the school year
- Haslam Mezzanine Renovation: July 16 substantial completion
- Band Pavilion and Rec Field Turf Replacement: Aug 6 substantial completion
- Stadium Sound System: Completion by 1st home football game
- Audiology Speech & Hearing @ Conference Center: On-going construction, 50% complete
- Continued Field visits / coordination for ESF, Dining, Surge, Band Pavilion, Haslam Mezzanine & Conference Center ASP Phase 1
- Photographed classrooms for COVID Occupancy
- Photographed & measured for COVID Wellness Screens
- Continued project management Fire Safety Upgrades (19-20) currently DDP
- Working on resolving water issue at Disability Services in Dunford
- Continuing to resolve outstanding POCAs around campus
- Worked with Construction for SFMO approval of renovation of old Thackston school building on Lake Ave. to relocate the Pediatric Language Clinic
- Working with EHS, ZM, Utilities, and Construction on the development of Fire Impairment procedures

# 2020 SUMMER BREAK PROJECTS

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- Working with ZM, Utilities, Construction and outside consultant to begin Facilities Assessments for 10 campus buildings. Starting with Jessie Harris.
  - Completion of White Hall, interior and exterior
  - Morrill Demo. Complete
  - Reese Hall Renovation
  - Golf Facility upgrades and repairs
  - Completion of Thornton Study area on bottom floor
  - Finals on Dogwood and Magnolia. 1 YR. Walk thru and minor corrections.
  - Mossman Follow ups
  - Roof at Indoor Football Facility complete
  - Schematics for New Garage locations
  - Schematics for indoor track location
  - College of Veterinarian Medicine, Replace Ext'g HVAC Units plus Interior Renovation. Work being completed end of July 2020.
  - Contract Documents completed for Andy Holt Chiller Building. Bidding is pending bidding by FS construction for re-roofing of structure.
  - Concord Street Project of Vegetation removal was completed prior to other work being held for further direction and verification of funding.
  - Stokely Residence Hall project description information and listing of Contractor and Subcontractors involved in the construction.
  - Classrooms Upgrades including an interior refurbishment of HSS
  - Additional FFE for Student Union
  - Coordinated redesign of SMC 2nd floor for HCoB
  - Design and space planning of Student Union shell space
  - Design of Student Union shell space FFE
  - Design and FFE procurement of FFE for UTFSC growth
  - Design work for interior finish upgrades for Athletics at Anderson Training Ctr, Wolfe Kaplan & Lauricella Ctr
  - Design of University Level interior finish upgrades at Neyland Stadium
  - Design of Panhellenic as GTA space
  - Offices of the Dept of Social Work at the UTCC
  - First Impressions projects
    - UTPD
    - Early Learning Center
  - Dunford Hall,5th floor Elevator Lobby
    - Grieve Hall 1st floor corridor at Key Shop
    - Clarence Brown Theater concessions back counter renovation
    - Bailey elevator Lobby
    - Hodges exterior electrical transformer wrap
  - Various flooring and painting projects for Construction and ZM
  - Hodges and McClung elevator upgrades
  - Morgan Hall Suite 103 FFE and interior Finish renovation
  - Claxton Branding Signage
  - Bailey 4th floor elevator lobby interior finish upgrades
  - Burchfiel 305 Finish upgrade
  - Burchfiel 406 Finish Upgrade
  - McClung Tower 606A, 704, 709 Finish upgrade
  - Design of Conference Center 4th floor Finish upgrade
  - Walters Life phase II finish selection and FFE upgrade
  - Assessment of acoustics at UT Arboretum
  - Dougherty Suite 508 Finish upgrades
  - Greve Hall Signage 5th floor
  - Communications 447 & 227 FFE and finish upgrade
  - Design of Communications 230
- Building Services**
- Hodges Library:
- Stripped and waxed all tile flooring.

# 2020 SUMMER BREAK PROJECTS

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- Waxed concrete flooring at the ground floor/dock area.
- Waxed all custodial closet floors
- Cleaned all carpeting on all 6 floors.
- Cleaned all entrance rugs and mats.
- Cleaned all windows at ground level and used high lift to get the windows on 1st and 2nd floor.
- Cleaned, sweep, mopped and waxed all staircases and landings.
- Pressure washed entire outside perimeter and concrete pillars located around the lib.
- Reorganized all custodial closets.
- Reorganized all supply closets.
- Every Restroom kyvac and orbited the tile flooring.
- All sinks and commodes were polished.
- All white boards cleaned and conditioned.
- All desk and chairs were scrubbed and gum removal.
- Offices were cleaned and sanitized.

## Haslam:

- All carpets cleaned thru out building.
- All rugs and entrance carpeting cleaned.
- All bathrooms Kyvac and floors orbited.
- All tile floors burnished.
- All windows cleaned.
- Dock entrance floor waxed.
- Dock pressure washed.
- All tables and chairs cleaned and sanitized.
- All offices cleaned and sanitized.
- All sinks and toilets polished.
- All walls washed and baseboards cleaned.
- All closet floors waxed.
- All closets reorganized.
- All offices setup for total clean.

## SMC:

- All windows cleaned.
- All carpets cleaned throughout all 7 floors.

- All closets reorganized.
- All furniture and offices cleaned and sanitized.
- Entire plaza pressure washed.
- All stairwells cleaned, swept and mopped.

This building is under some construction so some work did not need to be done since replacing with new.

## Dunford:

- All carpets cleaned.
- All stairwells stripped and waxed.
- All glass cleaned.
- All bathrooms kyvac and floors orbited
- All closets reorganized.
- All offices and furniture cleaned and sanitized.
- All offices set up for total cleans.

## Greve:

- All carpets cleaned.
- All tile floors including stairwells stripped and waxed.
- All bathrooms kyvac and floors orbited.
- All closets cleaned and reorganized.
- All windows cleaned.
- All rugs at entrance and in elevators cleaned.
- Building setup for total clean.

## Henson:

- Hard flooring top scrubbed.
- Elevator floor waxed.
- Rugs and all carpeting cleaned.
- All windows cleaned.
- Bathroom kyvac and floors orbited.
- All offices and furniture cleaned and sanitized.
- Entire building set up for total clean.

## Tyson Alumni:

- All carpets and rugs cleaned.
- All windows cleaned.

# 2020 SUMMER BREAK PROJECTS

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- Entire outside perimeter pressure washed.
- Building setup for total clean.
- Wood flooring stripped and waxed.

## International House:

- Kitchen and bathroom floors stripped and waxed.
- All floors top scrubbed.
- All windows cleaned.
- All carpets cleaned.
- All offices and furniture cleaned and sanitized.
- Entire perimeter and back patio pressure washed.
- Building setup for total clean.
- Bathroom kyvac.

## Melrose:

- All carpets cleaned.
- All bathrooms Kyvac and orbited.
- All windows cleaned.
- All offices and furniture cleaned and sanitized.
- Building setup for total clean.
- Entire outside perimeter pressure washed.

## Student Union:

- Stripping all of the floors in Phases 1 & 2
- Cleaning all of the carpet in Phases 1 & 2
- Stripping the monumental stairs in Phases 1 & 2
- Cleaning the glass on the inside of Phases 1 & 2
- Cleaning all of the upholstery and wiping down all of the chairs, tables and couches in common areas and the food concepts in Phases 1 & 2
- We used the all purpose machine to deep cleaned all of the restrooms in Phases 1 & 2
- We have cleaned and disinfected all touch points in the building, along with offices and event rooms
- We pressure washed outside 1st floor phase 2 and in the garage at the loading dock
- We cleaned and disinfected stairwells in

## Phases 1 & 2

- We cleaned and disinfected all elevators in Phases 1 & 2
- We cleaned out all of the trash and recycle cans and cut outs in Phases 1 & 2
- We scrubbed the floor inside volsnack shop G2, phase 1
- We scrubbed and put terra coat on G1, 1st, 2nd and 3rd floors back hallways phase 2
- We helped wipe classroom chairs at Humanities
- We have also went to Hoskin and stripped and waxed some hallways
- We have went to Jessie Harris and cleaned carpet in offices and classrooms. We also stripped and waxed 1st and 2nd floor hallways
- We have went to Mossman and helped clean carpet
- We went to Blount and stripped the basement lobby
- We have helped at the arena with stripping the seating area

## Athletics:

- The Athletic and Arena crews have stripped and waxed in all assigned areas, shampooed carpets and scrubbed shower rooms.
- The seating area at Thompson Boling has been stripped and sealed at the 100 level, and all 100 level stationary chairs have been cleaned and disinfected.
- Tables and single chairs have been cleaned and disinfected at Thompson Boling.
- All lockers have been cleaned and disinfected in all Athletic Buildings.
- Cleaned drains in locker room's plus half way around the pool area in Alan Jones.
- Door glass, door handles, and elevators have been cleaned and disinfected.
- All trash cans have been cleaned out

# 2020 SUMMER BREAK PROJECTS

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## Pratt Pavilion

- Cleaned and sanitized in all areas of the building
- All showers were scrubbed and sanitized
- Both Basketball courts were scrubbed plus all the tables and chairs were cleaned and sanitized
- We have used the 360 machine in this building every night
- The parking garage under Pratt has been cleaned

## Soccer and Softball:

- All tile floor area was stripped and waxed during this time
- All carpet was shampooed plus the locker rooms and showers were deep cleaned and sanitized
- The glass windows were cleaned

## Alan Jones:

- Deep cleaned and half of the drains around the pool area were cleaned by our staff
- All shower rooms were clean and sanitized
- The pool area has been scrubbed
- The seating area has been cleaned and sanitized. • All touch points were cleaned

## Steam Plant:

- Cleaned and sanitized daily

## Golf:

- Cleaned and sanitized during summer break
- Carpet has been shampooed
- Restrooms has been scrubbed, cleaned and disinfected

## Sutherland Ave. Rec Sports:

- Detail cleaned and sanitized
- Restrooms has been scrubbed, sanitized and used the 360 machine in these areas

## Boat House:

- Cleaned and sanitized plus used the 360 machine
- Carpet has been shampooed and windows clean that we could get to
- Bay area has been scrubbed
- All touch points cleaned and sanitized

## Neyland Stadium:

- Carpets were shampooed and restrooms scrubbed
- Walls cleaned, all boxes dusted and counters wiped
- Refrigerators defrosted and cleaned
- All areas has been 360 cleaned once they were completed.

## Goodfriend Tennis:

- Cleaned and sanitized
- The outdoor area restrooms have been cleaned, sanitized and 360 disinfected

## Baseball:

- Cleaned and sanitized during the summer.

## Football Complex:

- Floor work done, carpet shampooed, restrooms cleaned and sanitized. They have used the 360 machine nightly in this area. All areas has been disinfected.

## HPER and TREC:

- All the floor work has been completed Scrubbed out locker rooms, showers and bathroom floors
- Scrubbed walls, wiped out lockers and cleaned windows
- Scrubbed all the main floor at TRec with the Oreck
- Scrubbed around the weight equipment

# 2020 SUMMER BREAK PROJECTS

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- Cleaned all of the vents in T Rec
- HPER crew is cleaning the handball courts
- All areas has been 360 disinfected

## Student Aquatic Center:

- All floor work has been stripped and waxed
- The shower rooms and restrooms have been scrubbed, cleaned and disinfected
- Pool area has been scrubbed
- All areas have been 360 disinfected

## Art + Architecture:

- 1st floor have been high speed buffed and lay wax on it and all carpet have been cleaned in all offices and these areas are being disinfected each day we come to work
- 2nd floor has been high speed buffed and all carpet areas have been cleaned. We continue disinfection of all areas.
- 3rd floor has also been high speed buffed and all carpets have been cleaned. The studios have been cleaned, and all tables have been disinfected.
- 4th floor was a big project for us. All the Painting studios have been stripped and waxed, and all the offices and hallway have been stripped and waxed.
- The whole building has been dusted from top to bottom, and all restrooms have been detailed cleaning and continuously disinfected.

## Ceramics:

- Deep wash off and used LOW SPEED buffer to remove all the pottery dust and used a WET VAC to remove all the water from the Concrete floor.

## Music:

- At Music building, we did all the quartz flooring
- Disinfection in the office areas
- Cleaned all carpet in the building and stripped all white tiles floor
- Used the high speed buffer to bring back the

shine and put 2 coats of wax on the band room floor

- All Storage areas have been stripped and waxed and disinfected
- Finished stripping and waxing all the classrooms study areas on ground floor
- Completed deep extraction on all the entrance mats and made them look new again
- Redid the carpet in the music Library
- Disinfected all the tables, computer areas and all offices areas in the Music Library
- Pressure washed around the entrance way of the Music building and the breezeway

## Humanities:

- Cleaned and disinfected all desks, cleaned all white boards, all recyclable and trash cans and moved all desk to the hallway
- We have set-up 1st floor, 2nd floor and 3rd floor and disinfecting each day

## McClung Tower:

- Disinfected all offices
- Cleaned carpet and/or stripped and waxed on all 12 floors

## Clarence brown/Carousel Theatres:

- Disinfected all offices and areas
- Redid the entrance mats and carpet in the LAB theatre
- Deep cleaned and disinfected the Carousel theater chairs and dressing room area
- Mopped off the stage area
- Will complete carpet cleaning at Clarence Brown after they finish redoing the seats

## Telephone Services:

- Disinfected often and implemented My Tiny Trash

# 2020 SUMMER BREAK PROJECTS

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## Early Learning Center:

- Basement floor room 001 Stripped and waxed
- 1st floor room 103 stripped and waxed.
- Did Carpet care all carpet 1st and 2nd floors, with Clipper machine

## Jessie Harris Building:

- Orbited Bathroom on each floor
- Did the orbit technique on rugs in door entrances
- Applied wax to the new tile on the 2nd and 3rd hallways running parallel to 13st, and the 3rd floor hallway running parallel to Cumberland.
- Basement, 1st and 2nd floors running parallel to Cumberland, were stripped and waxed with 5 coats of Wax.
- Waxed the break room in the basement area, room B025 and the room next to it B025A
- The hallway running by Bo12 and the offices were stripped and waxed

## Ken Mossman:

- Put 4 coats of wax on the back hallways on floors 4-6 after top scrubbing the floors to remove all imperfections.
- Cleaned all interior glass and doors.
- Cleaned the stone flooring with an orbit machine where possible
- Each and every Bathroom was Orbited and with Foamy Q an A.
- High sped all of the back hall way floors 1-6
- Detailed cleaned all labs from detail sweeping and dusting. After that was completed, the I mop was ran on each floor with labs.
- Also, had someone run the slow speed over the top of the stone flooring as well.

## John Hoskins Library:

- All carpet throughout building was cleaned with the Duo Clipper machine
- Top scrubbed the 2nd and 3rd floors then applied 5 layers of wax
- Stripped and waxed the floors in front of the elevators and adjoining hallways
- Stripped and waxed lower foyer area
- The High speed was ran on the floor on the White Ave entrance and adjacent hard flooring surfaces
- Bathroom were orbited , and detailed cleaned.

## Senter:

- The Floors were top scrubbed with the slow speed throughout the one level building.

## Blount Hall:

- Stripped and waxed the first floor entrance and tiled flooring to the carpeted flooring.
- Stripped and waxed, the Terrazzo Flooring on the 2nd floor, running Parallel with White Ave.
- Orbited all Bathrooms with Foamy Q&A, to clean and disinfect them.
- Carpet work was performed on ever floor and every room/hallway to remove stains, as well as general cleaning.

## Baker Center:

- Stripped and waxed the Catering Kitchen area, Room 106, Room 107, storage area, and hallway 3199c
- Orbited all the bathrooms

## Lock and Key:

- Floor was top scrubbed
- The floor was also High speed scrubbed
- Entrance rugs were cleaned utilizing the orbital technique

# 2020 SUMMER BREAK PROJECTS

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## Strong Hall:

- All carpet on every floor has been cleaned.
- On the first floor the classroom carpets , with a softer bristled brush have been orbited to remove deeper stains.
- The entire concrete area outside of Strong Hall has been pressure washed.

On the basement and first floor , the slate rock flooring , was orbited.

## CCB:

- 4th Floor carpets have been cleaned.
- ALL restrooms were scrubbed with the orbiter
- The stair wells have been swept and mopped
- All rooms and areas have been cleaned and disinfected

There has been major construction in the building which makes it difficult to to do a lot of things that are needed to be done. We have not been able to complete any scrubbing or waxing due to construction having their materials in the hallway on the 2nd Floor.

## Dougherty:

- All offices have been cleaned and disinfected
- Carpet on all floors have been cleaned
- The 6th floor has been scrubbed
- All classrooms have been cleaned and disinfected

There is still construction going on in the building with Interstate which makes it difficult to do a lot of things that are needed to be done. We have not been able to complete any hallways due to Interstate having their supplies in the hallways,

## Ferris:

- 4th Floor Hallway has been buffed out
- Offices and classrooms have been cleaned and disinfected
- Restroom floors have been scrubbed

## Min Kao:

- All offices and classrooms have been cleaned and disinfected

- All carpet has been cleaned in all offices and classrooms
- Stairwells have been cleaned.

## Perkins Hall:

- 3rd floor hallways has been scrubbed and waxed
- Buffed the floors on B1, 1,2, and 3
- The classrooms on the 2nd floor have been scrubbed and waxed, cleaned and disinfected

## SERF:

- The hallway on the 2nd floor has been top scrubbed and waxed
- The 3rd Floor has been top scrubbed and waxed
- The carpets have been cleaned and offices have been detailed
- Restrooms have been scrubbed with the Orbitor.

## Tickle:

- Carpet has been cleaned
- Restrooms have been scrubbed
- Classrooms and offices have been detailed cleaned and disinfected
- Stairwells have been cleaned

\* In addition to the many summer projects we completed in our own zone many employees volunteered to help in other areas where there was a need. To include painting signs, floor stripping and waxing, dusting, pressure washing, placing signage, hand sanitizing stations, COVID cleans, furniture and desk cleaning, windows, and furniture moves.

# 2020 SUMMER BREAK PROJECTS

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## Construction

- Brehm Animal- Fix egress issues due to dirt removal, make ADA accessible for use as classroom space.
- Classrooms improvements in Humanities and Social Sciences (48 classrooms & common areas), Hodges Library, Vet Med Center, Burchfiel Geography, and Hoskins Library.
- Wellness screens- 362 total screen requests, installed 251 screens in 69 buildings, 111 outstanding screens.
- Vols First Impressions (underway)
- Jessie Harris Abatement and New tile 2nd 3rd and 4th floor hallways.
- Conference Center renovations of Suites 209,215,224,230 and 231.
- Dougherty 508.
- Serf 506.
- Student Union Shell Build-out (underway).
- Brehm Animal- Help with egress issues after dirt floor was removed.
- Kappa Alpha Fraternity- Painting, repairing plumbing, Adding a second washer and dryer.
- Fibers and Composites Manufacturing Facility- Setting up utilities and connecting to the new Wabash Press.
- Communications- Paint in offices 92,107I, 107Y.
- Nielsen Physics- Widen the doorway and install new doors to accommodate new equipment.
- Bailey Edu. - Repair the men's restroom floor.
- Silverstein Luper Building- Repair plaster walls and paint all damaged areas.
- Covid 19 research lab set up with STAR.
- Repairing EnviroSTEP Control system in Greenhouse #13.
- Strong Hall- Install ceiling mounted dust collection system.
- SMC value engineering.

- Ewing gallery, demo ceiling and hang light fixtures.
- Provide power and raceways for plate cameras across campus.
- Vol Hall- painting.
- Thackston- New interior finishes.
- Student Union- door lock project.
- Dunford Hall- Carpet 4th floor.
- SERF- 217&218 lab renovation.
- Engineering plaza- Repair concrete and pavers from drop out damage.

## STAR:

- Conference center- replace drain piping from 4th floor.
- Morgan Hall- P.O.C.A.
- Eye wash replacement, SERF, Dabney-Buehler, Plant Bio, Dougherty.
- Supporting research.
- 172 Work orders completed in 68 buildings or locations since 3/1/2020.
- 85 Work orders currently being worked on as of 7/24/2020.

## Paint/sign

- Covid 19 signage across campus.
- UTPD- 12 car vinyl decals.
- Jessie Harris- maintenance painting all common areas.
- 20 project painting from 3/1/2020
- 168 Work orders completed in 59 buildings since 3/1/2020.
- 67 work orders currently being worked on as of 7/24/2020.

# 2020 SUMMER BREAK PROJECTS

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## Zone Maintenance

Specialties:

- Repaired handicap operators at SERF on 4th floor.
- New Roton hinges at Plant Bio.
- New handicap operator installed at Fred Brown.
- Repaired ADA doors at Best Labs.
- Repaired ADA doors at Min Koa.
- Changed 2 ADA motors at the Hodges Library.
- Repaired pole lights at G10 parking garage.
- Repaired handicap operator control board at Brehm Animal Science.
- Build glass rack for glass shop.
- Repaired roof at Concord building.
- Replaced lights at G11 parking garage.
- Built 2 platforms for elevator shaft at Strong Hall and installed.
- Installed new power to charging station for lifts at Concord.
- Installed new led lights at top of police station parking garage.
- Installed new ADA operator at Walters Life Science.
- Repaired dust collector at Perkins Hall.
- Installed new ADA operator at Hearing and Speech.
- Installed 2 new double operators at Baker Center
- Installed 2 new doors at Nursing.
- Installed Roton hinges at nursing on exterior doors.
- Installed new operator at Min Koa on 5th floor
- Installed glass at Communications.
- Installed new pole led lights on the top of G10 parking garage.
- Installed power line for roll up door at Concord for loading dock.
- Moved lifts for multiple departments.
- Met with people and was in video for back to campus.
- Installed new glass at music building on handrail.
- Installed handrail and doorstops at Min Koa on 4th floor.
- Installed 2 new Roton hinges at student services and 2 new closers.
- Repaired lights in Andy Holt parking garage.
- Repaired lights on White Ave.
- Installed new wall packs on the back side of White Ave. parking garage.
- Repaired generator at Communications.
- Repaired lights at Lake Ave. parking garage.
- We have kept up with Fume Hood calls for the Labs on Campus.
- We have air balanced several locations around Campus as needed.
- We have water balanced and read flows for several locations around Campus.
- Performed AAALAC inspections for Mossman and the Vet School.
- Inventoried man lifts and fork lifts.
- Worked with A/C Controls to calibrate sensors.
- Testing Lab in SERF.
- Replaced windows at Clement Hall.
- Replaced windows at Fred Brown.
- Replaced the broken glass in the handrail at Music Building.
- Distributed sandwich boards.
- Repair Generators.
- Finding and purchasing Polycarbonate for wellness screens.
- Replaced broken windows at Bailey Education Complex.
- Replaced windows at Sigma Nu.
- Replaced windows at Volunteer Condos.
- Replaced windows at Delta Tau Delta.
- Remove glass at Student Union so that new alarms wires could be rerouted.

# 2020 SUMMER BREAK PROJECTS

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- Repair blinds at Stokely Hall.
- Locate and document Man Lifts and Scissor Lifts for annual inspection.
- Replaced broken window at Blount Hall.

## Lock & Key Services:

- Walter's Academic – Renovation for new occupants continues – new keying plans for each department area – cores set up & installed, database updated
- Thompson Boling Arena – Concourse Restroom renovation – all gates and doors – cores setup and installed
- South Stadium – 5th floor reconfigured and set up for new occupants – cores setup and installed, database updated
- Haslam Business – Mezzanine suite renovation – new key plan, cores setup & installed, database updated
- Clarence Brown Theatre – Classroom lock upgrades – started
- On Campus – several buildings – custodial closets cores setup and changed to new core

## Zone Maintenance - Zones

### Zone 1:

- Cleaned all A/C units coils and filters
- We have HEPA vac all units a coils.
- All exhaust fans have been checked for working order for air circulation
- New chillers are being installed at Reese chiller building to supply N & S Carrick, Reese and the Presidential court.
- We are going through the resident hall rooms fixing and repairing all utilities.
- Checking buildings for correct humidity levels.

### Zone 2:

- Installed new lighting in the seen shop at Clarence Brown
- Let different departments and contractors in and out of buildings.
- Replaced pool pump at H.P.E.R
- Replaced baseboards on the first floor of Communications.

### Zones 3 & 7:

- Energy Savings working with the A/C shop, and the energy savings team to turn off bathroom exhaust fans while building was not being occupied as much this summer, also working on keeping room to room checks because of A/C units being throttled back for energy savings.
- Perkins - 1st floor side entrance fixed floor tile. Keeping A/C units running room to room. When A/C units are running this helps keep mold from growing when there are some air flowing.
- LED projects being done in several buildings including Hodges Library, Hoskins Library, Conference Center
- All buildings - Doing mold checks making sure no mold is growing room to room. Also doing room to room maintenance checks.
- Greve Hall - Working room to room changing out old A/C units making sure all units stay working, and fixing window cranks, latches, lights, steam traps. Fixed a few roof leaks.
- Baker Center - Fixed some roof leaks, and doing room to room checks making sure all A/C units stay running. Changed Filtrene system motor, and pump.
- Henson Hall - Fixed the fourth-floor roof leak, now working on getting that floor painted and back in order. Doing room to room checks making sure no mold and making sure all A/C units stay running.

# 2020 SUMMER BREAK PROJECTS

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- Dunford Hall - Fixed a few roof leak problems. Doing room to room mold checks, and making sure all A/C equipment stay running.
- Tickle - Working hard with A/C Services trying to keep the hydraulic chiller running to keep all student projects keep going.
- SERF - fixed a few roof leaks, doing room to room A/C equipment checks. Fixed and maintained some fans on the roof of the chiller house to help keep the heat load down inside the chiller house trying to help the chiller not work at hard. Been doing as much energy savings as possible. Working with the Star Team getting nitrogen generator working effectively for all floors.
- Conference Center - Working on boiler trying to get boiler replaced. Contacted several boiler services getting quotes while getting ready to replace boilers. Working with contractors on renovation projects. Doing room to room checks, working with Plumbing Services to fix some water leaks different places throughout the building.
- Tyson Alumni House - working with Facilities planning and roofing contractors while waiting on the roof to get fixed. Emptying buckets from roof leaks, continuing room to room checks.
- Dougherty - working different hours with contractor on the HVAC renovation projects. Opening and unlocking doors, making sure all room get secured at end of the day. Working to make sure contractors keep windows closed at all times in an effort to keep humidity out of the building. Making sure the sweating pipes water stays away from occupants' things. Insulators, Interstate, and Dan Smith with Facilities are working to fix sweating issues. Classroom to classroom lighting repairs.
- SMC - worked on fixing roof leaks, still doing room to room checks making sure all A/C units,

and equipment stay running. Done some LED light replacements. Cleaned coils on all outside units. Classroom to classroom lighting repairs. Electrical unhooking from all cubicles for 2nd floor renovation.

- Haslam Business - Assisted contractors on renovation projects (letting them into building while buildings are on lockdown from the public.) Learning about the new lighting in the newly renovated M floor. Cleaned coils on all outside units. Assisted with ice maker install. Flushing toilet and urinals and running water fountains and sinks as to not create stagnant water. While one chiller was down, we were keeping a constant eye on dehumidifiers. Classroom to classroom lighting repairs. Unlocking doors for flower and plant maintenance weekly. Assisted contracted new furniture install. Touchup paint in hallways.
- Williams House - assisted, and monitored while new owner installed security equipment. Assisted with opening doors and gate for the old house. Got lots of calls of boards being pulled off windows and responded by putting boards back up several times this summer.

## Zone 4:

- PM dish Machines all units
- PM Tray conveyors all units
- PM Air handlers all units
- PM commercial mixers all units
- Clean coils on mobile equipment
- Remove gas equipment all units for ARAMARK cleaning
- Replace ceiling tile as needed and clean air vents and returns all units
- Treat drains all units

## Zone 5:

- Down at the Wayne Basler Boathouse we

# 2020 SUMMER BREAK PROJECTS

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converted old 8 Foot T-8 light fixtures to 4 foot enclosed LED Fixtures.

- Anderson Training, Brenda Lawson, Neyland Thompson - converted t-8 lamps to t-8 LED lights wherever they could throughout the whole building.
- Regal Soccer - converted the high bay lights on both sides of the building with the help of Tennessee Associated and also the front canopy lights converted to LED.
- Neyland Stadium - went through to different areas and made sure of conversion of LED and Changed more lights to LED where needed. We are still in this process.
- Goodfriend Tennis - working on converting to LED in other areas of building and also waiting to change out the court lights this summer.

Zone 6:

- Mossman -Flushing water lines, Daily security checks
- Hesler - Clean condensing, Replace Ex-Fan Motor on greenhouse change belts and greases ex-fans, Change water pump in greenhouse, change air handler filters and grease and change belts, Update lighting project to LED
- Nielsen Physics- Cleaned roof drains , replaced some old steam pipes and unions for air handler, replace ceiling tile on 6th floor from roof leaks, checked and replaced a few flush valve diaphragms
- Strong Hall - Continued work on LED Project, Water Run/Flushing pipes, monitoring for locks and sealed buildings, and Unlock for Authorization and Infiltration
- Maintained building equipment in Ayres Hall and South College
- Walters Academic - Daily security checks on entrance doors and Flushing water lines
- Austin Peay & Burchfiel - ensured buildings

were locked and doors would latch back, circulated water in fixtures, and inspected classrooms for reopening

# UT PROJECT MANAGER CONTACT INFO

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The appropriate Facilities Services Department unit is listed after each project in the following project list. Below is the contact information for each unit Director and Manager.

## CONSTRUCTION SERVICES

Director: Roger McDonald  
(865) 705-9994

Assistant Director: Bryan Lord  
(865) 776-5508

Construction Projects Supervisors:

Rick Gometz - (865) 621-8178

Emily Lingerfelt - (423)507-4782

Project Managers:

Wes Hinshaw - (865) 405-6439

Danny Hall - (865) 257-5312

Chip Pennoyer - (865) 919-1049

Rick Caldwell - (865) 661-5694

Kenny Lane - (865) 850-9353

Star Team/Paint & Sign Supervisor:

Randy Huelsman (865) 809-4662

## DESIGN SERVICES

Director: Andy Powers  
(865) 599-3254

Project Managers:

David Crigger - (865) 659-6931

Justin Dothard - (865) 805-2549

Keith Downen - (865) 300-9940

Helen Hennon - (865) 607-1325

Bill Pace - (865) 438-5911

Bethany Morris - (865) 776-1812

Ted Murphy - (865) 406-8247

Dan Smith - (865) 206-8286

Barbara Tallent - (865) 805-6515

Garrett Ferry - (865) 805-4007

## FACILITIES OPERATIONS

Building Services Director:

Gordon Nelson - (865) 974-5107

Landscape Services Director:

Jason Cottrell - (865) 974-3486

Rapid Response Team:

Brickey Hearon - (865) 974-3146

Sanitation Safety Assistant Director:

Randy Hamilton - (865) 974-3486

## UTILITIES SERVICES

Director: Roy Warwick

(865) 974-7768

Assistant Director: Wes Willoughby

(865) 771-0467

Air Conditioning Projects:

Wally Beets - (865) 974-7776

Electrical Projects:

Cesar Penalba - (865) 974-7769

Plumbing Projects:

Wayne Stalans - (865) 974-7772

Steam Plant Projects:

Tommy Oakley - (865) 974-7747

## ZONE MAINTENANCE

Director: Derek Bailey

(865) 659-6377

Assistant Director: David Cash

(865) 659-6377

Assistant Director: Johnny Waggoner

(865) 659-6377

Specialties Supervisor: Tony Bunner

(865) 659-6377

Lock & Key Supervisor: Chris Blair

(865) 974-4371

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Report compiled by Facilities Services  
Communications & Public Relations.

Sam Ledford, Communications Coordinator  
865-297-3027; sjones80@utk.edu  
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# 2020 SUMMER BREAK PROJECTS

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<https://www.iconfinder.com/acehonghin> - spray bottle, modified by Sam Jones Ledford  
<https://www.iconfinder.com/ratch0013> - phone (SOS), modified by Sam Jones Ledford  
<https://www.iconfinder.com/jenz1> - door hanger, modified by Sam Jones Ledford  
<https://www.iconfinder.com/Ruslancorel> - filter change, modified by Sam Jones Ledford  
<https://www.iconfinder.com/antto> - hand washing, modified by Sam Jones Ledford  
<https://www.iconfinder.com/ivanrizkii> - warehouse, modified by Sam Jones Ledford  
<https://www.iconfinder.com/ibrandify> - testing, modified by Sam Jones Ledford  
[https://www.flaticon.com/free-icon/face-mask\\_2833012](https://www.flaticon.com/free-icon/face-mask_2833012) - man in mask, modified by Sam Jones Ledford  
<https://www.iconfinder.com/larsenwork> - wifi, modified by Sam Jones Ledford  
<https://www.iconfinder.com/ratch0013> - accounting, modified by Sam Jones Ledford  
<https://www.iconfinder.com/agoehlert> - hand sanitizer icon  
Sustainability icon, iconfinder.com, modified by Sam Jones Ledford