



GIBBONS

Cover photo by Robert Benson

**Facilities Planning and Construction
Annual Report
2014-2015**

(July 1, 2014 – June 30, 2015)

575 Alderman Road
P.O. Box 400726
Charlottesville, Virginia 22904-4726
TEL (434) 982-4621 FAX (434) 982-4628

Annette Cyphers, P.E.
Director

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Facilities Planning and Construction

Foreword

Facilities Planning and Construction (FP&C) is responsible for the execution of the University's Capital Project Program. We provide management of all design and engineering services, management of all construction services, and procurement for all construction contracts and design/engineering professional services contracts for the University community. Our goal is to set the standard for excellence in higher education and healthcare project delivery.

We are here to:

- Provide leadership to support the University community in the development and implementation of projects for planning and construction.
- Assure appropriate design and construction standards and criteria established by the University, the state, or other appropriate agencies are followed.
- Identify and implement opportunities to balance quality and cost of construction, focusing on life cycle costs through value engineering and other cost reduction initiatives.
- Continue to develop innovative best practices for professional and construction services procurement and administration to assure continued conformance to the University's restructuring requirements and maximize competition and diversity.
- Maintain in-house design services in support of the University's various renovation programs.
- Encourage the full participation of all stakeholders in the project management process.

The work is accomplished by three production divisions, including: the Academic Division, the Health System Division, and Engineering & Design. They are all supported by a Contract Administration Division and an Administration Division and work in close coordination and cooperation with the Office of the University Building Official, the Office of the Architect for the University, and Facilities Management.



Annette Cyphers, P.E.

Director, Facilities Planning and Construction

Facilities Planning and Construction

Overview

This 2014-2015 Annual Report for the Facilities Planning and Construction Department highlights many accomplishments including:

- Completed and occupied several new major facilities. These are highlighted in the Division sections of this report and total \$272,131,297.
- Awarded 76 construction contracts totaling \$101,580,548.
- Processed 343 professional service contracts and service orders totaling \$23,274,195.
- Put in place construction with a value of \$104,900,000.
- Design and construction continues on major new facilities. These are highlighted in the Division sections of this report and total \$980,235,503. Additionally see each Division section for a summary of major projects.

Academic Division:

The Academic Division had a total workload of 21 capital projects. The HECOM threshold is \$2M for a Capital Outlay project. These active projects included:

- 4 capital projects in design for a total of \$298,500,000.
- 10 capital projects in construction for a total of \$183,968,000.
- 4 capital projects completed for a total of \$85,695,000.

Capital Projects in Design	Capital Projects in Construction	Capital Projects Completed
Gilmer Hall and Chemistry Renewal	FM Shop Support Office Building	Gooch Dillard Phase I
Gooch Dillard Phase III	Gibbons House	New Cabell Hall Renovation
Material Science HVAC	Gooch Dillard Phase II	O'Neil Hall Renovation
McCormick Road Residence Hall Renewal	McCormick Road Tunnel	College at Wise: Health & Wellness Center
	Newcomb Road Chiller Plant	
	North Grounds Mechanical Plant	
	Rotunda Renovation	
	Wilson Hall Renovation	
	College at Wise: Dam Restoration	
	College at Wise: Library	

Non-Capital Projects in Design	Non-Capital Projects in Construction	Non-Capital Projects Completed
Blandy Farm Cottages	Alderman Pedestrian Bridge	Brown College Bathrooms Phase II
Blandy Farm Greenhouse	HSU Laboratory	Carr's Hill Guest House Roof Repl.
Brown College Bathroom Ph III	JPJ Exterior Repairs	Carruthers Data Center Renovation
Cemetery Expansion	Law School Lobby Renovations	Men's Soccer Locker Room Ren.
Crackerbox Roof Replacement	Leake Building Phase 1A: FM Store Warehouse	Old Cabell Hall Roof Replacement and Ornamental Masonry Repairs
Hotel A Renovation	Special Collections Library Humidification System Upgrade	
Leake Building Lower Level Ren.		
Pavilion VII Porch Repairs		

Formerly there was an Engineering and Design Division composed of two work centers, the Design Group and the Project Management Group. The Project Management function has been reassigned to the Academic Division. Project initiatives for the Design Group are found below:

<u>In Design</u>	<u>In Construction</u>	<u>Completed</u>
Brown College Bathroom Renovations, Phase III	Brown College Bathroom Renovations, Phase II	2400 Old Ivy Road Elevator Modernizations
Bryan Hall Elevator Modernizations	Car's Hill Guest House Roof Replacement	Alderman Library Replace Elevator Doors
Faulkner Housing Renovations,	Clinical Department Wing OB/GYN	Brooks Hall Door Operators

Phase II: Hensch Apartments	Renovations	
Fiske Kimball Library Accessibility Improvements	Drama Shop Paint Frame Replacement	Brown College Bathroom Renovations, Phase I
FM Shop Renovations for Project Services, Phase II	Faulkner Housing Renovations, Phase I: Mitchell Apartments	Brown College Slate Roof & Flashing Repairs, Phase II
Halsey Hall Elevator Modernization	FM Shop Renovations for Project Services, Phase I	Carruthers Hall Elevator Modernization
International Residence College Renovations	Halsey Hall Door Operators	Chemical Engineering Research Building Elevator Modernization
Leake Building Renovations, Phase 1B	Hotel E Annex Roof Replacement	Culbreth Theater Gala Lift Replacement
Pavilion VII Porch Repair	Leake Building Renovations, Phase 1A	Landers Lab Renovation Chemistry
Saunders Hall Roof Drainage Evaluation & Repairs	Monroe Hall Elevator Modernization	Materials Science Building Elevator Modernization
The Crackerbox Roof Replacement	Public Safety Substation, 1413 University Avenue	McKim Hall BIMS Education Center
Thornton Hall C-Wing NE Engineering Design Lab	TJAGLSCS Low-Slope Replacement, Phase I	McLeod Hall Low-Slope Roof Replacement
TJAGLCS Elevator Modernization, Elevators 1 & 2		Mechanical Engineering Freight Elevator Modernization
West Range Café Door Operators		Memorial Gymnasium Replace Elevators #1 and #2
		Michie North & South Elevator Modernization
		Monroe Hill Elevator Replacement
		MR-4 3 rd Floor Lab Renovations
		Rice Hall Laster Lab Ren., Room 342
		Ruffner Hall Renovations
		Scott Stadium East & West Handrails Installation
		Slaughter Hall Elevator #5 Modernization
		Slaughter Hall Elevator #6 Cab Refurbishment
		Thornton Stacks Renovation SEAS
		Withers-Brown & Slaughter Halls Bathroom Renovations

Academic Division Major Commissions

Alderman Pedestrian Bridge

Kate Meyer / Charlie Durrer

The Alderman Pedestrian Path connects Gooch Dillard Residence Halls to Alderman Road at Scott Stadium. A bridge spans what was previously an overgrown gully but is now a trimmed and attractive wooded grove. The path reduces the walking time from residences to dining halls and classrooms, and moves pedestrians away from heavily travelled roadways. As the University has grown, Gooch and Dillard, built for upper class housing in the 1980s, have been repurposed for first year use. However, the students in those dorms have crisscrossed the bottom of Observatory Mountain with trails that do not meet modern criteria for ADA, lighting, and safety. The new path, well-lit and accessible, is inviting to bikes and pedestrians. When the Alderman Road Residence Halls project is complete, the bridge will provide direct access between first year housing areas. In addition, the path and wooded grove address future storm water management needs of the precinct. Other path enhancement projects are envisioned between Gooch, Dillard, and Runk that will create a seamless, accessible connection from Runk Dining Hall to Observatory Hill Dining Hall. The path is an important element in fostering first year communities, connections to nature, and safe student commutes.



Carruthers Data Center

Chris Pouncey

The Carruthers Data Center project was completed in the spring of 2015. It now provides the university with a back-up data center for the main University Data Center on Ivy Road. The project budget was approximately \$1.9 million.

The new data center is located in Carruthers Hall at 1101 N. Emmet St. and totals slightly under 3,000 sf. In its previous incarnations, the space had served as the mainframe computer room and then a data center; this data center was substantially upgraded under this project. In order to satisfy the requirement for increased cooling capacity, the project added three computer room AC units and their associated roof-top dry coolers. Additionally, a new 400 kVA UPS was installed to provide adequate battery back-up to support the new data center's increased capacity. Finishes were updated throughout the space.

The project architect for the Carruthers Data Center was Bruns-pak, a computer room specialist located in Edison, New Jersey. Martin Horn Inc. was the contractor on the project. Work started in August, 2014 with substantial completion achieved in April of 2015.



Cemetery Expansion

Sarita Herman

Created in 1828 in response to a typhoid outbreak, the University Cemetery is nearly as old as the University itself. Many prominent members of the University community have been buried here throughout the years, making it a rich historic resource, in addition to a peaceful and attractive landscape feature.

The University Cemetery has been expanded several times throughout the years. The current expansion, Phase III of a three-phase project, is the first addition to in-ground burial plots since the 1940s. Phases I and II, in 1990 and 2003 respectively, were columbarium wall installations along the north side of the Cemetery. In 2004, the University Cemetery Committee commissioned a master plan for future expansion, which was prepared by John G. Waite Associates, Architects. The current project will conform to the master plan.

The proposed expansion will accommodate 544 columbarium niches and 528 in-ground burial plots, with a row of ten plots reserved for presidents of the University. The expansion site is southeast of the existing cemetery, adjacent to the oldest section. Cemetery Road will be shortened to accommodate the proposed addition. On the east, south, and west sides, new border walls will serve as columbarium walls. Shenandoah field stone will be used to match in the historic Cemetery walls, with columbarium name panels and wall cap in a contrasting granite.

The architect of record for the project is Cardno TEC, Inc. of Charlottesville, VA. Martin Horn, Inc. is the general contractor. The project is expected to break ground in January 2016, with completion anticipated for spring of 2016. The total project budget is \$1,210,700.



FM Shop Support & Office Building

Amy Eichenberger / Charles Durrer

The new two-story, 14,300 gsf building, located west of the existing Leake Building, will provide updated office and support space for several Facilities Management functions. A number of work groups are currently in inadequate facilities, off-Grounds in leased space, or in modular structures that will be removed. This building is one of several phases that will improve the quality of FM's operations, allowing consolidation of work groups while providing open, flexible work areas with greater access to natural light. Accessible pedestrian paths between the new and existing Leake Building will promote collaboration for Facilities Management staff and visitors.

The project architect is Bowie-Gridley Architects, and the contractor is Crenshaw Construction. Construction started on July 14, 2014 and is expected to be completed in January, 2016. The project budget is \$6,000,000.



Gibbons House

Katherine S. Meyer / Richard Sergi

Gibbons House continues the multi-phase project begun in 2006 to replace the 1960s era residence halls in the Alderman Road precinct. The first phase, Kellogg House, was completed in August 2008. The second phase buildings, Balz-Dobi and Watson-Webb Houses and Erns Commons, were completed in August 2011. Phases III and IV, Lile-Maupin, Tuttle-Dunnington, and Shannon Houses, were completed in summer 2013. Gibbons House began in May of 2013 and was completed in August of 2015.

The new student housing offers modern amenities in dorms that foster intimate, secure, close knit communities. The dorms are designed to create a strong sense of place, and to accommodate a growing number of students. In addition to student rooms, every floor features study areas and lounges. The entry level floors are oriented for maximum sunlight, to better animate gathering places for meeting, recreation, and collaborative learning. Additionally, Gibbons provides approximately 10,000 gsf of office space for the Office of Housing and Residence Life staff.

Gibbons is located on Alderman Road across from Scott Stadium and the Aquatic and Fitness Center, convenient to West Grounds. The site extends south from previous phases; the accessible new pedestrian route will tie together the entire precinct as far to the south as Gooch Dillard Houses and Hereford College. This route provides a strong organizing element for the precinct. Outdoor recreation areas both structured and unstructured are planned.

The project was designed by EYP Architects of Washington DC. The Construction Manager was Donley's Construction Mid Atlantic Regional Office of Richmond, Va. The working project budget was \$28,000,000.



Gilmer Hall & Chemistry Building Renovations

Craig S. Hilten / Charlotte P. Dickerson / James Klappmust

Design is underway for the renovation and renewal of Gilmer Hall and the Chemistry Building.

Gilmer Hall was built in 1963, with a major addition completed in 1987. The original building and the addition together contain 221,980 gsf. Gilmer Hall and the addition provide research and teaching laboratories for the Biology and Psychology Departments as well as classrooms and lecture halls. The Chemistry Building, completed in 1968, is 208,392 gsf, and also provides research and teaching laboratories, and classrooms. Although the Chemistry Addition of 1995 is not within the scope of this project, it will play a role in providing swing space for the renovation project. Today, half a century after they were completed, these buildings continue to house the majority of teaching in the sciences, and are workhorse research facilities for the College of Arts and Sciences.

Most of the classrooms and labs in these buildings are little altered since their original 1960's designs. The biology research laboratories in Gilmer Hall were designed as individual laboratory suites and inhibit interaction between research groups, limit the ability to accommodate changing and interdisciplinary research programs, and lack flexibility. The Psychology Department is constrained by inflexible and out-of-date planning arrangements, particularly in the research suites and testing rooms, resulting in inefficient use of space. The chemistry teaching labs are designed for very large student sections that are inconsistent with current best teaching practices. These functional issues will be exacerbated by the growth in student enrollment that is projected through the next decade in the sciences and will hinder the College's efforts to attract the best students and faculty.

Architectural services are being provided by Perkins + Will's Washington, DC office with support from their Atlanta office. Design phase construction management services are being provided by the Whiting Turner Contracting Company. The project budget is approximately \$180M and the construction schedule has not been finalized.



Gooch Dillard Renewal Phase I

Kate Meyer / Charles Durrer

The renovation of one building comprised of 11 suites in the Gooch Dillard complex is the first phase of a three-phase renovation. Originally designed by Edward Larrabee Barnes, recipient of the Jefferson Medal in Architecture, Gooch Dillard Houses opened in 1982. The complex consists of nine buildings providing residence to over 660 first year students. Used for upper classmen in earlier years, Gooch Dillard has recently been converted to first year housing. In accordance with student preferences, based on surveys conducted by UVA's Office of Housing and Resident Life, the project reconfigures sleeping rooms from singles to doubles,. Bathroom fixtures and HVAC systems have all been replaced, and finishes have been upgraded. New fresh air units have been set on the roof, and the resulting positive pressure will cause living spaces to feel less humid and more comfortable. Sprinklers and new fire alarm systems have been added throughout the building.

Phase 1 was completed between in summer of 2014. Phase I is designed by Bowie Gridley Architects of Washington D.C. The general contractor is Artisan, Inc. of Charlottesville, VA. The budget is \$3,700,000.



Gooch Dillard Renewal Phase II

Kate Meyer / Charles Durrer

Gooch Dillard was built in response to a housing crisis. In a thirteen-year period (1966-79), UVA enrollment more than doubled from 7,785 to 16,179 students, resulting in a severe shortage of dormitory space. Designed by internationally renowned architect Edward Larrabee Barnes Gooch Dillard provided suite style housing to upper class students. The nine buildings are separate from each other but tied together by material and arrangement. This phase is comprised of three buildings, or 46 suites. With the completion of phase II the Gooch portion of the complex is done. As in the previous phase the project reconfigures sleeping rooms from singles to doubles, in accordance with first year student preference. It replaces bathroom fixtures, and finishes throughout are upgraded. The HVAC system and electric devices are replaced, and the building envelope is being repaired, resealed and washed. The HVAC system has been redesigned to eliminate the need for roof top air handling units, while still improving the air quality and providing humidity control. Sprinklers and new fire alarm systems are being added to all buildings. This phase is also renovating two lounges, a study area and kitchen. One of the lounges which originally had no toilet will have a bathroom added to make the space more user friendly. Two of the suites will receive floor infill in double height space in order to add to the bed count. The Alderman Road Pedestrian Path which connects from Gooch to Alderman Road was also completed in time for fall semester 2015. Its impact has been felt immediately in creating a level, well-lit path from the Gooch Dillard complex toward West Grounds remedying resident's perception that they felt hidden away in the woods. The building reconfiguration and renovation, the fresh finishes, and new path are having the intended effect of making a welcoming home for first year students.

Phase II completed one building in time for fall semester 2015, and will complete two more buildings in summer 2016. Phase II is designed by VMDO Architects of Charlottesville, VA. The construction manager is New Atlantic Contracting, Inc. The budget is \$11,000,000.



Gooch Dillard Renewal Phase III

Kate Meyer / Charles Durrer

The interior arrangement of Gooch Dillard complex, which opened in 1982, is that of a suite, with four private bedrooms rooms upstairs and two downstairs. Each suite has a living room and a bathroom, but no kitchen facilities. Two common kitchens service the entire complex. This private suite/apartment style arrangement was built in response to prevailing trends in the private sector. However, the architectural arrangement of this style inhibits the formation of a strong community. In recent years the complex has been converted to housing for first year students. With this program change, and as suite style housing goes out of favor, this group of projects has reconfigured the six single rooms into three double rooms with new student furniture. The renovation includes new bathroom fixtures, all new finishes, and the HVAC and electric systems are being replaced. Sprinklers and new fire alarm systems are being added to all buildings. The exterior of the building is being reflashed, repaired, and cleaned. This phase is comprised of the five remaining buildings, two lounges, a study area, and one kitchen. One of the lounges will have a bathroom added to the space. Two of the suites will receive floor infill in double height space in order to add to the bed count. Gooch Dillard residential complex was built into a challenging terrain without radically modifying or destroying the natural lay of the land. The complex's two arms embrace a gully that cuts through the sloping landscape. During construction in the 1980s, nine graves were discovered that are believed to belong to enslaved African Americans. The area has been marked by a series of slate walls and a plaque. This phase will repoint and clean the walls and consider if further protection or signage is needed. Designed by Edward Larrabee Barnes the design's strength lies in the residence's exterior placement and expression, not in its internal layout. While artfully arranged to preserve the forested terrain, the residents feel the wooded area is dark, the uneven grade does not provide outside gathering space, and the gully cuts them off from the rest of Grounds. This final phase will replace and upgrade outdoor lighting, repaint hand rails, and make landscape enhancements to paths and possibly create open areas or views through the forest. It will also complete exterior repairs to gates, a bell tower, and other miscellaneous areas that did not fall directly in the purview of previous phases.

Phase III is scheduled to start in summer 2016 and complete in time for fall semester 2017. Phase III is designed by VMDO Architects of Charlottesville, VA. The construction manager is New Atlantic Contracting, Inc. The budget is \$14,000,000.



Materials Science HVAC replacement

Katherine S. Meyer / David Fiero

MSE was constructed in 1985 and comprises 30,584 gsf, including a basement level, three floors, and a penthouse level. Described as “aggressively modern” when it was built, the building and its research facilities have become outdated over time. With incremental changes, flexibility and functionality in the labs have been lost. This project will restore thermal comfort, positive pressure in public spaces, and proper fume hood placement and functioning. A net gain in research space will be achieved very economically. All HVAC systems including air handling units and other equipment and ductwork, will be entirely removed and replaced. New work will include conversion of steam heating to MTWH heating, fan coil units, and terminal units. Most fume hoods will be retrofitted or repositioned, and a few new hoods will be added. The project will also include recoating of laboratory casework and fume hoods, painting, sitework and landscaping.

The project is designed by Dewberry Engineers Inc of Raleigh NC. The budget is \$3,500,000. Work is scheduled to begin in May of 2016 and be complete in summer 2017.



McCormick Road Utility Tunnel Project

Steve Dempsey / Richard Sergi

The utility tunnel project consists of 1,300 ft of new utility tunnel under McCormick Road from Engineers Way to Alderman Road. The tunnel will provide medium temperature hot water, in twin 18" pipes, to the Gilmer Hall, Chemistry Building and McCormick Residences Renovation Projects. The project supports the University Master Plan to replace high pressure steam lines throughout the university with medium temperature hot water. In addition, chilled water lines installed above the tunnel will provide cooling for all the buildings in the precinct.

The utility tunnel is constructed from 6 cast-in-place concrete vaults, which act as anchor points where the pipe changes direction, with the straight lengths between the vaults consisting of 20-ft-long 8x8 concrete sections. The sections are waterproofed before they are installed.

The project is in two phases; the summer phase began in May 2015. The summer phase had to be completed within 90 days to ensure that McCormick Road would be open to traffic before the students returned on Aug. 21. This phase included five of the cast-in-place vaults and 900 ft (44 sections) of tunnel between Engineers Way and Hancock Drive. In order to meet the schedule, Faulconer worked 7 days a week, 24 hours a day throughout the project. The tunnel was complete and the road restored by Aug. 17.

Phase two of the project is scheduled for winter break, Dec. 2015 to Jan. 2016, and will include the installation of tunnel and utility piping under McCormick Road from Hancock Drive to Alderman Road. This phase includes one cast-in-place vault and 350 ft of precast tunnel (17 sections).

Faulconer Construction is the CM for the project and Dewberry is the A/E. The construction budget is \$10,600,000 with a total project budget of \$14,000,000.



New Cabell Hall Renovation

Craig S. Hilten / Randy Porter / Charlotte P. Dickerson

Six stories high and 150,000 gross square feet (gsf) when it was built in 1952, New Cabell Hall is a workhorse for the College of Arts and Sciences, with office space for 390 faculty and staff and 46 classrooms. The renovation included a multiphase replacement of obsolete heating, plumbing, and electrical systems. The building is now equipped with central air conditioning and new fire protection systems. Elevator and tele-data distribution systems have been replaced. The windows, which like the entire building were of historic significance, have been restored. Hazardous building materials have been removed and all interior finishes were upgraded.

Classrooms have been equipped with state of the art technology to enhance student learning. The formerly inaccessible courtyard facing Old Cabell Hall has been landscaped to transform this under-utilized space into a vibrant destination, with direct connections to adjacent buildings. A new multi-story curtain wall has been installed to introduce daylight deep into the corridors of New Cabell Hall and provide an accessible connection between the historic Lawn and the South Lawn complex. The entire building is now fully accessible to the University community including those with disabilities or other special needs. The Office of the Dean for the College and Graduate School of Arts & Sciences was displaced during the renovation and has now been returned to New Cabell Hall.

The architect of record was Goody Clancy of Boston, Massachusetts, and the construction was managed by Barton Malow of Charlottesville, Virginia. The project budget was \$64,500,000. The modernization of New Cabell Hall was completed in the fall of 2014.



Newcomb Road Chiller Plant

Michael Vanderweide, P.E. / Charles Durrer

A new chiller plant of approximately 6,000 gsf, currently in construction, will replace the multiple existing chillers and supporting equipment that currently serve the buildings along Newcomb Road. The new plant will allow this equipment to be removed from individual buildings, and will provide greater capacity to add several buildings that are not currently on this loop. The initial capacity of 2,400 tons can be easily increased to 3,600 tons, with piping capacity for 6,000 tons in case of a future decision to expand the plant.

The existing plant is near its maximum capacity, and the equipment is at the end of its life expectancy. Also, since the equipment is spread across several buildings, the current system is inefficient in terms of both energy use and ease of maintenance.

The project examined several alternative cooling options including combined heat and power, geothermal, and heat recovery chillers. Detailed investigation demonstrated that none of these technologies were compatible with the restrictions of this site and existing distribution systems. However, with high efficiency chillers and a centralized plant, the new plant will provide significant efficiency improvements over the existing plant.

This project was designed and is being constructed using a delivery method that allowed the University to engage, during the design phase, not only the construction manager but also several key trade subcontractors. This has allowed the project to incorporate aspects of Integrated Project Delivery and to integrate cutting edge REVIT and BIM technologies into the project.

The project was designed by Affiliated Engineers, Inc. of Chapel Hill, NC and is being constructed by Sauer Inc. of Newport News, VA as the construction manager. Full construction began in the fall of 2014, with substantial completion scheduled for early summer of 2016. The total project budget is \$14,800,000.



O'Neil Hall Renovation

James Zehmer /

The former Rugby Faculty Apartment Building, designed by Fiske Kimball and built in 1922, served in its original capacity for over 80 years before the last residents moved out and the building sat vacant for over a decade, being sparingly used for storage and swing-space for other major projects. The University engaged Glavé & Holmes Architecture, a preservation firm with 50 years of experience from Richmond, VA to take on the challenge of incorporating a successful adaptive use for this historic structure. The design focused on maintaining the historic character of the building, while providing twenty-first century technology and infrastructure to ensure that the building's use as an office space could continue into the future. The central staircase, which originally only joined the first and second floors, was extended up to the third floor and down to the terrace level, which, along with a new elevator, helps improve circulation throughout the building. On the second and third floors, the wide central corridors were maintained, including the preservation of the apartment's original screen doors that faced the interior hallway. This arrangement was originally intended to create a sense of community among the residents, and the current furniture design for these spaces continues this tradition – which could even be seen as a more modern version of an “academical village.” Each floor includes a conference room, kitchenette, and restrooms, and the terrace level has a large, multi-purpose conference room that can be reserved after-hours by student groups in need of meeting space. The proximity of this room to the west terrace creates dynamic opportunities for events encompassing both spaces. Leading away from this terrace to the north is a curved sidewalk that borders a new bio-retention system, which will help manage the site's storm water in an environmentally conscious manner. UVA's Project Services Group, a division of Facilities Management, served as the Construction Manager for the project, which had a total project budget of \$10,870,000. Occupants moved into the building in May 2015, and on September 18, 2015, the building was dedicated to and renamed after Robert O'Neil, the sixth president of the University of Virginia.



Roof Program for Replacement, Repair, and Maintenance

Zachary P. Brackett, RRO

The roof program is managed through the Academic Division and encompasses various locations; most of which are in Charlottesville, but can include Wise, Oyster, Mountain Lake, and Winchester. It is charged with the replacement of an assortment of roof types, including low-slope membrane systems, steep-slope shingle (slate and asphalt) and metal (standing-seam and flat-lock) roofs, and vegetative systems, along with sheet metal work for roof copings, counterflashing, built-in gutters, ridge and valley flashing, and chimney flashing. Projects are designed by qualified Architects and Engineers and are generally bid to a pre-qualified list of "On-Demand" roofing contractors for values up to \$2,000,000, with minor work valued at approximately \$50,000 or less, awarded to the same pre-qualified list on a rotating basis.

This past year the program:

- Completed construction on various projects, including Old Cabell Hall, Aerospace Research Building, built-in gutters at Halsey Hall, Mechanical Engineering Building, and Zehmer Hall.
- Concluded design and prepared for bid multiple projects such as Pavilion VII, Slaughter Hall, Shelburne Hall, Albert Small Building, the JAG School, and Kerchof Hall.
- Initiated design for projects in the following fiscal year at Hotel E Annex, Child Development Center on Copely, Physics Building Addition, and Peabody Hall among others.
- Provided support and maintenance for minor projects at Piedmont Faculty Housing, Fan Mountain, and Clark Hall.



Old Cabell Hall This multi-faceted roof project will replace 15,300 SF of low-slope EPDM, steep-slope slate shingles, and flat-lock metal roofs along with all built-in gutters for a construction value of \$1,035,000.



Pavilion VII The existing 4,300 SF low-slope EPDM roof will be replaced with a new fully-adhered EPDM roof at an estimated construction value of \$145,000.



Hotel E Annex This roof project will replace 2,000 SF of steep-slope standing-seam metal with terne-coated copper. All gutters will be replaced, and metal flashing and slate repair will be performed on the Hotel proper. The estimated construction value for this project is \$125,000.

Rotunda Renovations

Jody Lahendro / Steve Ratliff

With the roof replacement project finished, the Rotunda renovations are past the mid-point. Final completion is scheduled for July 2016.

Construction to this point includes completion or partial completion of a 3,500 gsf underground mechanical vault in the east courtyard; mechanical space below the lower east oval room; new east elevator and tunnel; exterior utilities; dismantling, repairing, and refinishing and reinstallation of all exterior copper ornament; painting of the roof; rough-in for mechanical, electrical, plumbing, sprinkler, security, and audio/visual systems; waterproofing and repaving of terraces above wings; installation of a new acoustical plaster ceiling in the dome room; and the Corinthian marble capitals at the north and south porticos.

In addition to completion of current activities, major remaining work includes replacement of roofing at porticos; installation of fixtures and electrical equipment; interior and exterior finishes; exterior hardscape and landscaping. To reinstitute use of the Rotunda by students after a lengthy absence, three permanent classrooms are being added along with improvements to the dome room and several study spaces.

The Rotunda was designed by Thomas Jefferson as the centerpiece of his Academical Village, and remains the symbol of the University of Virginia. Originally completed in 1826, it was gutted by fire in 1895 and rebuilt by the architects McKim, Mead & White. A major project in 1976 recreated Jefferson's interior spaces. The Rotunda is recognized as a National Historic Landmark on the state and federal registers of historic places. The Rotunda, Academical Village, and Monticello together are designated a World Heritage Site.

John G. Waite Associates, Architects, of Albany, NY, is architect for the project. Whiting-Turner, in Richmond, VA, is the construction management firm. Construction began in May 2014, with completion scheduled for July 2016. The project budget is \$53,000,000.



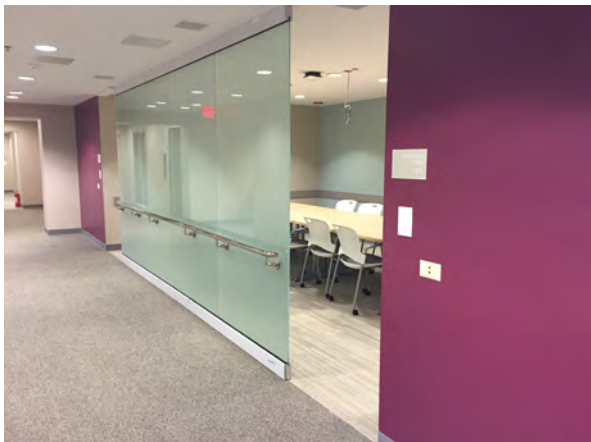
Wilson Hall Renewal

Amy Eichenberger / Charles Durrer

The Wilson Hall Renewal project included renovations to offices, classrooms, conference and meeting rooms and study areas at the first and second levels of the existing four-story building. In addition, a new handicap accessible entrance has been added at the first floor south plaza, as well as a new central “Commons” meeting area. Interior spaces have been redesigned for greater openness and access to natural light. New finishes, lighting and millwork throughout the building provide an enhanced experience for occupants and visitors.

Automatic HVAC controls provide greater efficiency in the efficiency of mechanical systems. A new sprinkler system, fire alarm system and security door hardware have been added, for increased safety and security.

The project architect is Train Architects, and the contractor is FM Project Services. Construction began in July 2014 and was completed in August 2015. The project budget was \$4,650,000.



College at Wise: Dam Restoration

Dave Paley / John Carter

The College's land includes two water impoundments behind the David J. Prior Convocation Center. The water is held back by earthen dams, built by a coal company in the 1970s. The dams were deficient under current dam safety standards, and required redesign. The dams' spillways have been rebuilt as concrete structures with a long weir to allow control of the amount of water released downstream. The design, by Thompson & Litton with Schnabel Engineering, was completed in fall of 2014. Bidding followed in the winter, and Estes Brothers Construction, Jonesville, VA, was awarded a construction contract in April 2015. The project, with a budget of \$2,448,000, is scheduled for completion in fall 2015..



College at Wise: New Library

Steve Dempsey / John Carter

The University of Virginia's College at Wise is constructing a new library to support the academic mission of the College and provide a state-of-the-art facility for the College's students and faculty. With its prominent location and striking design, the library is certain to become an iconic feature of the campus. The library will be centrally located in the academic heart of the College, and will provide a fully accessible 24-hour link between the upper and lower campuses.

Designed to accommodate the College's present and future needs, the new library will house the College's collections and will provide study, instructional, and multimedia space. In addition, the facility will improve campus accessibility by serving as a vital, 24-hour vertical link between the upper academic campus and the lower residential campus. Lobbies on several floors of the facility will be open late, and will feature café tables, group study rooms and informal lounge seating. The open design will encourage students to collaborate on projects, study, and gather informally throughout the day and evening. A café will further enhance the facility's role as a center of campus life.

Designed by Cannon Designs of Arlington, VA, the library is a five-story, 69,000 gsf brick and glass structure. Construction is now underway, with completion expected in summer of 2016. Quesenberry's of Big Stone Gap, VA is the Construction Manager. The project budget is \$37.17 million.



Health System:

The Health System Division responded to 43 new requests for services, contributing to a total workload of \$556,165,213 active projects, including projects that have reached Construction Completion in the last year. These active projects included:

- 37 projects in startup / request phase, budget / scope not yet developed.
- 58 small non-capital projects with an average size of \$110,368 for a total of \$6,401,353.
- 12 large non-capital projects with an average size of \$1,041,858 for a total of \$ 12,502,301.
- 6 small capital projects with an average size of \$2,940,667 for a total of \$17,644,000.
- 8 large capital projects with an average size of \$60,051,438 for a total of \$480,411,503.
- 6 capital projects in design for a total of \$406,874,642.
- 8 capital projects in construction for a total of \$91,180,861.
- 5 capital projects completed for a total of \$186,436,297.

Capital Projects In Design	Capital Projects In Construction	Capital Projects Completed
500 Ray C. Hunt Renovation	Education Resource Center	McLeod Hall Phase III
Outpatient Procedure Center Renovation	Ivy Translational Research Building – 560 Ray C. Hunt Drive	University Hospital HVAC Replacement Phase II
Primary Care Center 4 th Floor – Neurology Clinic	MRI Relocation – Enabling Project for ED Tower Project	University Hospital NICU Renovation / Level 7
University Hospital 7 th and 8 th Floors Renovation	University Hospital – Vegetative Roof	University Hospital – Level 1 Radiology Master Plan
University Hospital Café Servery	University Hospital HVAC Replacement Phase III	Old Jordan Hall Fresh Tissue & Gross Anatomy
University Hospital Expansion		
University Hospital Emergency Power Phase III		

Health System Major Commissions

500 Ray C. Hunt Drive Renovation

Kevin Silson / Keith Schrimp

In January, 2015 UVA purchased 500 Ray C. Hunt Drive, a 62,000 sf office building located in Fontaine Research Park, from University Physician's Group. The building housed the headquarters of UPG, the Pediatric Neurology Clinic, and the Gait Lab.

500 Ray C. Hunt was purchased to renovate into a medical office building, and because it is over 25 years old, the plan includes upgrading the base building mechanical and electrical systems, which are nearing the end of their useful lives. In order to vacate the building the Neurology Clinic, located on the first floor, is being moved to PCC, and the Gait Lab, located on the lower level, is being moved to the Kirtley Warehouse. Both moves are projected to take place around March/April, 2016, shortly before the start of construction.

The third floor of the building is being designed for a urology clinic, which is moving from the West Complex. The second floor is being designed for a cardiology clinic, which is being created by moving and consolidating clinics from Northridge, PCC and UH2West. The first floor will house cardiology diagnostic functions from the UH2West, and the lower level will contain a cardiology fitness and wellness clinic from Northridge.

The architect for the project is Hammel, Green and Abrahamson from Alexandria, VA. Gilbane Building Co. is the construction manager. Schematic design is underway and will be completed by the end of August 2015, and preliminary design and construction documents will be completed by April 2016. Demolition is projected to start in the first quarter of 2016, and construction will begin in the second quarter. Substantial completion is projected for fall of 2017.

The total budget for this project is \$32,806,000, of which \$13,703,000 was used to purchase the building.



Education Resource Center

Joseph A. Rainwater / Keith Schrimp

The Health System Education Resource Center project provides approximately 45,200 gross square feet for graduate medical and patient education, a relocated outpatient pharmacy, and a new centrally-located outpatient imaging center. These functions are directly responsive to the Health System's stated mission to provide excellence and innovation in the care of patients, the training of health professionals and the creation and sharing of health knowledge.

It provides new conferencing space for resident and patient education and much need dedicated resident workspace. The project site is adjacent to the Emily Couric Clinical Cancer Center (ECCCC) and the new elevator and stair tower for the Lee Street Garage, providing convenient access to the pharmacy for patients and staff leaving the Medical Center via the 11th Street or Lee Street garages, and it is adjacent to the main hospital bus stops. In addition, this project provides space for a new outpatient imaging center that significantly improves patient access and fulfills the need for diagnostic imaging services convenient to the Cancer Center and the Battle Building. This center, located in the lower level, will connect directly with the ECCCC main radiology area.

The designers for the project are CO Architects from Los Angeles. Donley's/McCarthy is the construction manager. Construction is underway and is scheduled for occupancy in early 2017. The project budget is \$29.4 million.



The Ivy Foundation Translational Research Building (560 Ray C. Hunt Drive)

Brian Pinkston / Kemper Tomlin

The Ivy Translational Research Building is located at 560 Ray C. Hunt Drive in the Fontaine Research Park. The building was purchased by the University to provide a central location for many of the “translational research” activities in the School of Medicine. Translational research focuses on getting the results of fundamental medical research into a form in which its results can actually be used to treat people with illnesses. It is thus focused on the application of research in the clinical setting. The building will be used as a cross-collaborative research facility; that is, various disciplines will be co-located with the goal of increasing collaboration. The first floor will house the Clinical Research Unit for the research groups, while the second and third floors will accommodate offices, meeting, and training spaces. This project will renovate areas on the first, second, and third floors.

The project architect is Nalls Architecture, Inc. of Philadelphia, PA. Construction is by in-house forces from Project Services in Facilities Management. The project budget is \$8,292,000 which includes all necessary renovations and FFE. Construction began in November of 2014 and will be complete in October 2015.



University Hospital Mobile MRI and Enabling Moves and MRI Relocation for the University Hospital Expansion Project

Jim Loman / Nate Brown

The Mobile Magnetic Resonance Imaging (MRI) and Enabling Moves project is the first phase of the MRI Relocation project, which will enable the decommissioning of the existing MRI Pavilion at the University Hospital, as required for future development. The project consists of a new mobile MRI trailer and one-story modular industrialized building with a corridor directly connecting to the existing hospital, along with significant interior work to open space in the first floor of the hospital to accommodate a new MRI Suite. The modular building will house a new reading room for the IR staff and will be outfitted with computer monitor workstations for the radiologists. The building will also provide a reception and waiting area and a link to the temporary Mobile MRI. Exterior work includes site work for the modular, new walkways and a new dock for the Mobile MRI trailer. Work interior to the Hospital includes multiple relocations within Interventional Radiology, including a new Angiography Room, two PICC Rooms, re-designed high efficiency storage and office relocations. The second phase is the construction of the new MRI Suite, and includes the relocation/installation of three MRIs to the spaces in the hospital created by the first phase enabling the work. The new suite will be strategically located along the joint with the University Hospital Expansion Project and will provide for improved magnetic safety measures and updated MRI technology.

The architect is Perkins + Will of Washington, D.C. The construction manager for phase one is Crenshaw Construction, Inc. of Culpeper, VA. and for phase two is Skanska USA of Raleigh, NC. Phase one will be complete in the fall of 2015. Phase two is projected to be complete in mid-2016. The total project budget is \$15.1 million.



Outpatient Procedure Center Renovation

Kristine Vey / Blythe Shannon

The Outpatient Procedure Center will be created in the building formerly known as the Outpatient Surgery Center, which has relocated its surgical and procedure services to the first floor to the Battle Building Children's Hospital, allowing space for several outpatient procedure suites to be relocated from the in-patient University Hospital. The total building area is 32,000 sf. The existing first floor totals 25,000 sf consisting of operating rooms including two mobile OR's, patient preparation and recovery bays, and ancillary support areas. The second floor includes 7,000 sf of administrative space.

This project completely renovates the first floor to provide a five-room Endoscopy suite with decontamination and sterilization; a one-room Motility suite; a 20-bed preparation and recovery unit; new waiting and registration areas, and staff ancillary space. There is also a one-room ECT suite which will occupy one of the two mobile operating rooms. All of the building's infrastructure systems will be replaced or upgraded and the exterior will receive a new, extended entrance and a new, brighter canopy. The project will replace one of the mobile operating rooms with a healing garden. The second floor is administrative offices not associated with the first floor, and will remain occupied and functional throughout the renovation, with no architectural modifications.

Full design services are being provided by Hord-Coplan-Macht Architects of Alexandria, VA. Whiting-Turner is the construction manager. Construction is projected to be complete in summer of 2017. The project budget is \$11.5 million.



Primary Care Center 4th Floor: Renovate for Neurology

Kristine Vey / Kemper Tomlin

This project will renovate 22,000 square feet on the fourth floor of the Primary Care Center to house the Adult Neurology patients and 5,000 SF on the ground floor to house the Pediatric Neurology patients. These clinics are being relocated from the 500 Ray C Hunt Drive building in the Fontaine Research Park.

Existing exam rooms have been left intact where possible. Parts of the fourth floor involve a full demolition and renovation. Known acoustical privacy issues are being addressed by lowering the ceilings in the fourth floor rooms as well as providing upgraded construction. The project will enable the Neurology Center for Health Excellence to provide enhanced patient care by providing expanded space for multiple disciplined clinics, improved Physical Therapy services, Counseling Services and Research without leaving the clinic.

The project architect is Nalls Architecture of Philadelphia, PA. Construction will be done by in-house forces from the Project Services group. Project completion is scheduled for the first quarter of 2016. The total project budget is \$3.9 million.



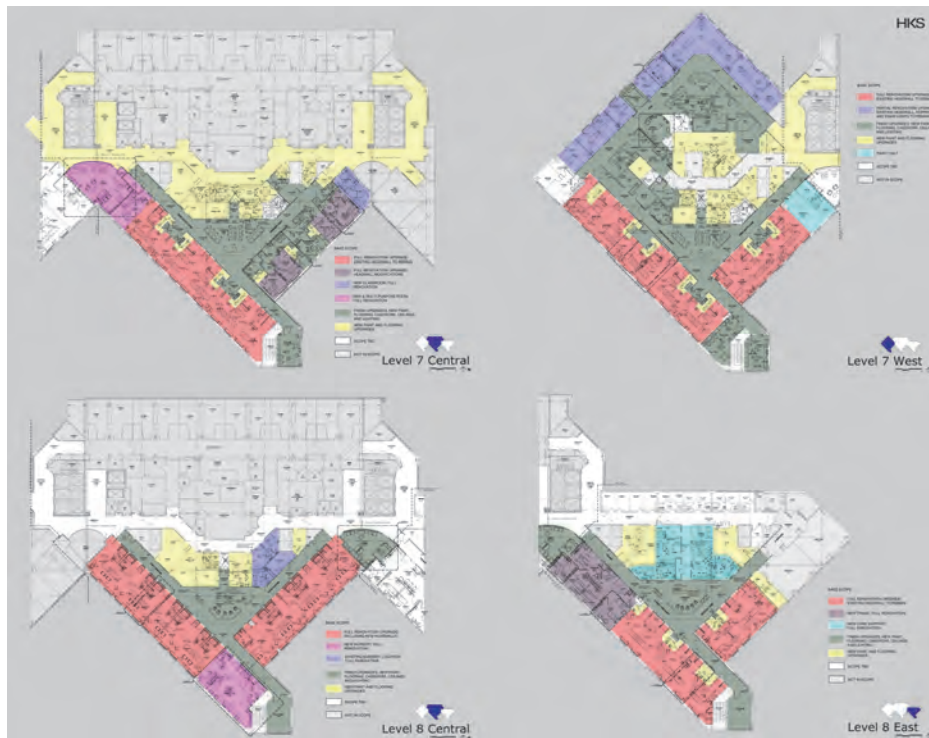
University Hospital 7th and 8th Floors Renovations

Jim Loman / Carolyn Chionchio

This project will renovate significant portions of the 7th and 8th floors of the University Hospital. These contain the Children's Hospital & Women's Health, respectively. (Square feet areas are: approximately 37,500 GSF on the 7th floor and 23,100 GSF on the 8th Floor, for a total of 60,600 GSF.) Significant elements of the renovation include:

- Renovation of the Pediatric Intensive Care Unit (PICU) patient rooms, to include new family-centric amenities within the PICU unit. (7 West)
- Peds Acute Unit patient rooms to be renovated / refurbished, including addition of new ADA-compliant rooms. Finish upgrades in support spaces. (7 West and 7 Central)
- Revamped Children's Education Spaces. (7 Central)
- New Peds Bone Marrow Transplant (BMT) unit (four beds with support spaces). (7 Central)
- 7th Floor main, public corridor to have new flooring and paint.
- Women's patient rooms to be renovated and to be converted to solely private. Finish upgrades in support spaces. (8 Central)
- A new (replacement) Continuing Care Nursery to be built. (8 Central)
- Triage to be relocated, expanded, and modernized. (8 East)
- Labor and Deliver Rooms to be renovated / refurbished, including an ADA room. Finish upgrades in support spaces. (8 East)
- New team (nurse) stations on 7W, 7C, 8C, and 8E.
- General MEP infrastructure improvements throughout.

The project architect is HKS Architects of Richmond, VA. The construction management firm is DPR Construction of Richmond, VA. Anticipated start of construction is winter 2016 with a projected completion in spring 2018. The total project budget is \$15,800,000.



University Hospital Cafeteria and Servery Renovation

Michael Vanderweide / Carolyn Chionchio

This project will renovate 4,600 square feet on the first floor in the University Hospital Cafeteria Servery space to improve the dining experience. New and healthy food offerings will be provided via the food court concept. The HVAC system will be improved to better maintain the temperature in area. The project will also reconfigure the existing 6,000 SF open seating area to provide additional and more flexible seating. Finishes will be replaced throughout.

The project architect is Baskervill of Richmond, VA; the plan is being coordinated with VisionBuilders of Charlotte, NC and Morrison's Food Services. The contractor is TBD. Project completion is planned for the fourth quarter of 2016. The total project budget is \$3.1 million.



University Hospital Emergency Power Phase 3

Will Moore / Steven Johnson

Phase III of the UH Emergency Power project will install an additional 5,000amp feeder from the generator room located in the Lee Street Garage to the hospital and add 2-1500kw generators, located in the space between the Lee Street Garage and the 11th Street Garage, to provide an addition 3,700amps of emergency power to the hospital. It will also install equipment inside the hospital to improve the emergency power distribution and establish the necessary infrastructure for future emergency power demand.

The hospital's existing primary emergency power feed is supplied through a 5,000amp feeder, with a 3,750amp redundant backup feeder. The new ePower Phase 3 feeder will increase the redundant feed capacity to a minimum of 8,700amps. The new generators will provide the additional emergency power needed for the expansion of the Emergency Department and other near term emergency power needs.

The project design engineer is Leach Wallace Associates of Elkridge, MD. An early site work package has been completed to get the duct bank installed under Lee Street. The rest of the project has been postponed for a year to ensure coordination with the Emergency Department expansion and is now planned to go out to bid in October 2015. The full project is planned for completion by July 2016. The total project budget is \$4,500,000.



University Hospital Expansion

Chris Pouncey / Chris Hoy

The University Hospital Expansion Project will allow for expanded services to meet the needs of a growing community. The Project consists of constructing an 11-story addition to the existing Hospital on the site east of the existing Hospital. The building expansion includes a four-story base with a six-story tower and roof penthouse for a total of 11 stories. The new building will consist of an expanded Emergency Department on the first floor, an expanded Interventional program on the second floor, a six-story patient bed tower with three floors fitted out, expansion of Ancillary support spaces on the lower level and renovations on existing hospital levels 0 through 2.

The work will also encompass new drop off and entries into the Emergency Department for ambulance and ambulatory patients. The expanded Emergency Department will consist of 77 exam rooms and three resuscitation rooms, the interventional floor will add four new operating rooms, and the patient tower will consist of three floors of 28 ICU rooms per floor along with the three shelled floors.

The architect is Perkins + Will of Washington, DC. Skanska USA Building, Inc. is the construction manager. Project budget is estimated at \$376.5 million.



University Hospital HVAC Replacement Phase II/III/IV

Dana Hodges / Bill Shirey

The HVAC Replacement projects represent a phased approach to replacement of air handling units (AHUs) and ancillary HVAC systems nearing the end of their projected lifespans in the main hospital. During Phase 1 and 2, the hospital evaluated both AHUs and hydronic systems for criticality, condition and age and developed a program for replacements/upgrades. The Phase II Project was completed in Summer of 2015 at a cost of \$12.8 million and consisted of two components: the first segment consisted of upgrades to the glycol system and the installation of ductwork on the Hospital roof to provide temporary air during the demolition of existing air handlers; the second segment consisted of installation of six new AHU's and modifications to the associated chilled water system.

Phase III is now underway, and comprises the design and installation of five additional AHUs and connections to their associated support systems. AHU's are being provided by Air Enterprises, a company that specializes in site-build construction. The units are being shipped and delivered into the hospital in large parts, and are then being constructed, tested, and commissioned on-site under the supervision of specialized on-site technicians. Phase 3 is projected to be completed in third quarter of 2016 with a total budget of \$8.6 million.

Phase IV is currently in the early stages of design, with construction projected to begin in late summer 2016. As part of this early design, the project team is revisiting the program developed during initial phases to verify that the proposed scope still represents hospital needs and priorities. Phase IV is anticipated to include replacement of up to eight units with a budget of up to \$14 million.

In addition to replacing air handler and upgrading support systems, the HVAC Replacement Projects have programmatic goals of 1) developing a process for enhancing the integration of the project team early in the design process and 2) developing a Building Information Management (BIM) execution plan that will serve as a prototype for future University Hospital projects. To meet the first goal, the team of construction manager, Donley's/McCarthy; the engineer, Leach Wallace; the commissioning agent, Burns and McDonnell; and the testing and balancing firm, Mechanical Balancing, were contracted at the start of design and worked together to develop the program and logistics that allowed for the most efficient execution of the work in an active hospital environment. The second goal was accomplished as a collaborative effort with FM personnel and consultants to develop a BIM plan during Phase II that has been a starting block for multiple ongoing projects since its inception.



University Hospital – Vegetated Roof Retrofit

Will Moore / Nate Brown

The roofs of the University Hospital, which was completed in 1989, have aged and are being replaced. This project replaces the original portion of the expanded lobby roof with a vegetated “green roof”. The 26,000 square foot green roof has many benefits over a traditional roof including providing visual interest for patients and staff, reducing the heat island effect, reducing storm water runoff and improved thermal properties. The design is influenced by the local geography incorporating mountains, variegated sections for cultivated fields, green areas for forests and a stream. The system design uses state of the art features including the waterproofing membrane and leak detection. The irrigation system uses non-potable water from the hospital HVAC system, reducing sanitary water discharge. The vegetation will also use the rain, thereby reducing our storm water discharge as well. The vegetated roof will be a key element of the Lee Street landscaping upgrade which includes the ERC and University Hospital Expansion.

The project designer is Roofmeadow of Philadelphia, PA. Waterproofing and the vegetation portions of construction are by Tecta America from Jessup, MD. The project budget is \$2,400,000 and will be completed in the fall of 2015.



Contract Administration

The Office of Contract Administration managed the procurement processes for and made awards on a total of 419 contracts in the 2014-2015 fiscal year (FY15) compared to 438 the previous year. The dollar value of both the construction and professional services contracts increased significantly as the economy improved.

Professional services contracts (architectural, engineering, and consulting), and service orders on consulting term contracts, numbered 343 for a total of \$23,274,195 compared to 363 contracts the previous year totaling \$15,322,747. There were 35 change orders processed with a net additive value of \$6,508,628.

The construction side of the office handled 76 procurements for a total of \$101,580,548 in a favorable bid market, compared to 75 procurements the previous year totaling \$62,595,937. There were 105 associated construction change orders processed with a net value of \$5,495,943 compared to 189 change orders the previous year totaling \$7,475,780. The largest change order included in this year's total was for the Gilmer/Chemistry Renovation Project and was valued at \$377,284.

During the year the office issued a total of 14 requests for proposals (RFPs) compared to 12 RFPs the previous year. The number of professional services RFPs executed this year was 7, and construction RFPs totaled 7.

We continue to team with Procurement & Supplier Diversity Services to strategize and plan for increased diversity in Prime and Subcontractor spending through recruitment of small, women-owned, and minority-owned (SWaM) firms. On August 17, 2015, members of our office participated in a new Near Term Projects Outreach Event primarily for SWaM firms. In addition the following SWaM initiatives continued in FY15:

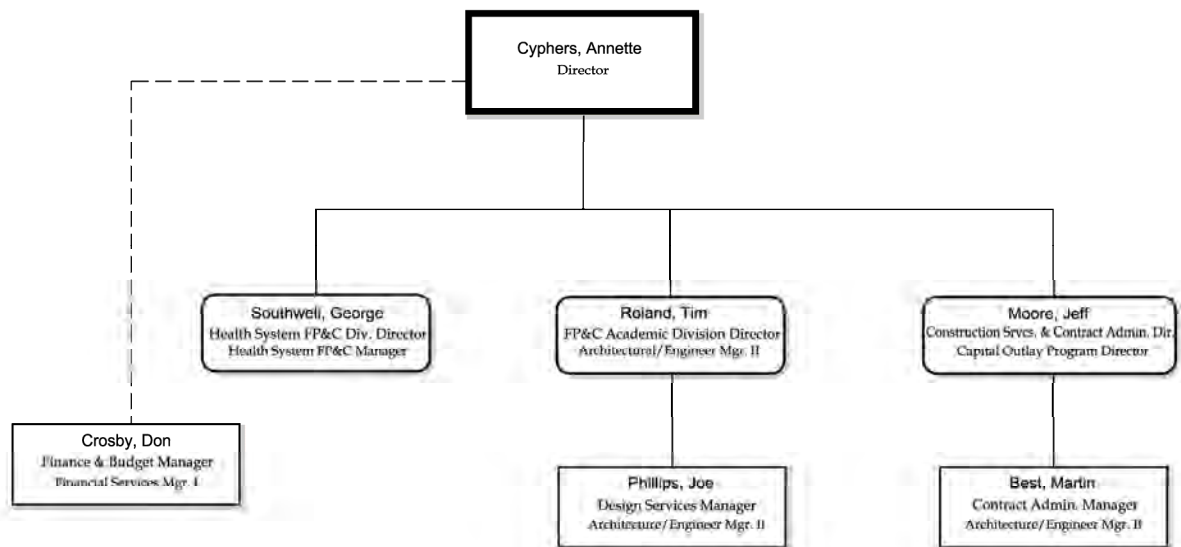
- An emphasis on SWaM participation in Facilities Management's procurements continues with an overall aspirational goal of 45% for SWaM spending for the University's 207 and 209 agencies. Special efforts are made for women-owned and minority-owned firms to improve their representation in the overall total spending.
- Our Office Manager continues to take the lead in promoting SWaM participation in our procurements and had numerous meetings with SWaM firms. He also attended the National Minority Supplier Diversity Conference in November 2014.
- Members of the Office of Contract Administration attended SWaMFest X at Hotel Roanoke in October 2014. Members also participated in various SWaM outreach meetings.

Facilities Management's Web Based Project Information Management System (PIMS) has been replaced with new e-Builder Enterprise web-based construction management software. This project is a significant ongoing effort involving staff throughout Facilities Management. One of our Construction Contract Administrators was reassigned to work with Dave Blair and other staff to help with e-Builder implementation. Meetings with e-Builder are continuing to customize the software for Facilities Management's specific needs and process.

The Office continues to update both the new public and existing Contract Administration web site as a service to and as a professional tool for the FP&C Staff, and University Consultants and Contractors. Existing web pages and templates including the UVA HECO/CO/DGS Forms page continue to be updated.

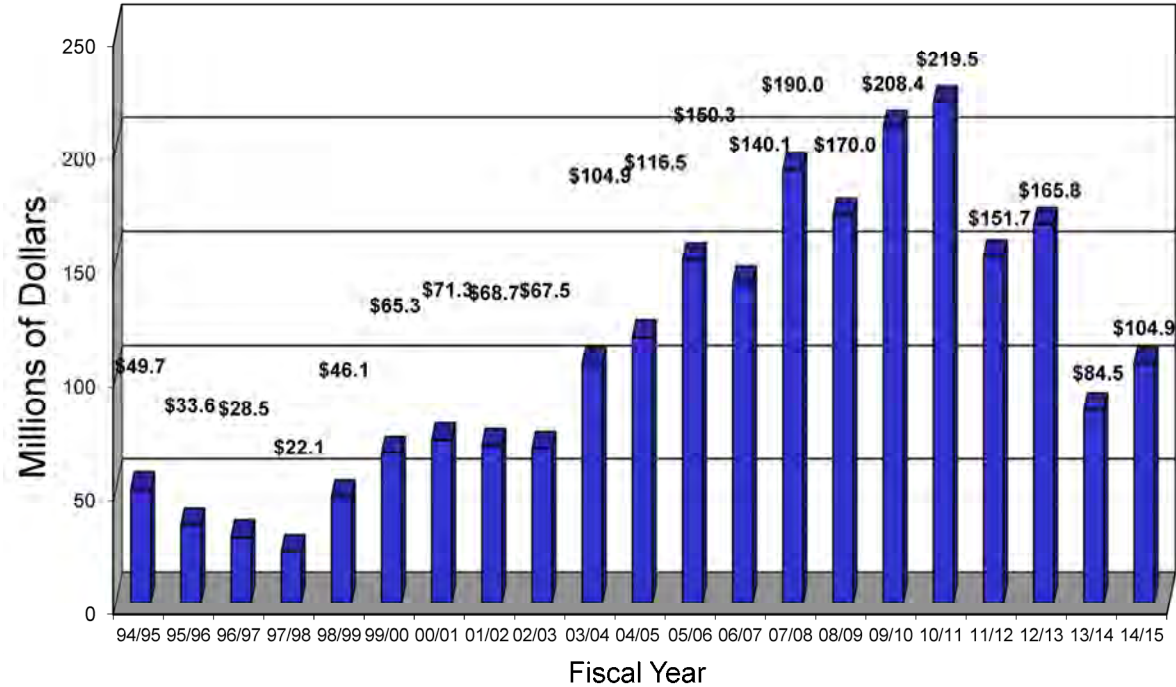
A large ongoing effort of the office is to support the new University Hospital Expansion Project team. This is a \$377M project comprised of approximately 87,000 gsf of renovation and approximately 444,000 gsf of new construction. Significant time has been spent in helping to assemble the trade contractor team and get all firms under contract.

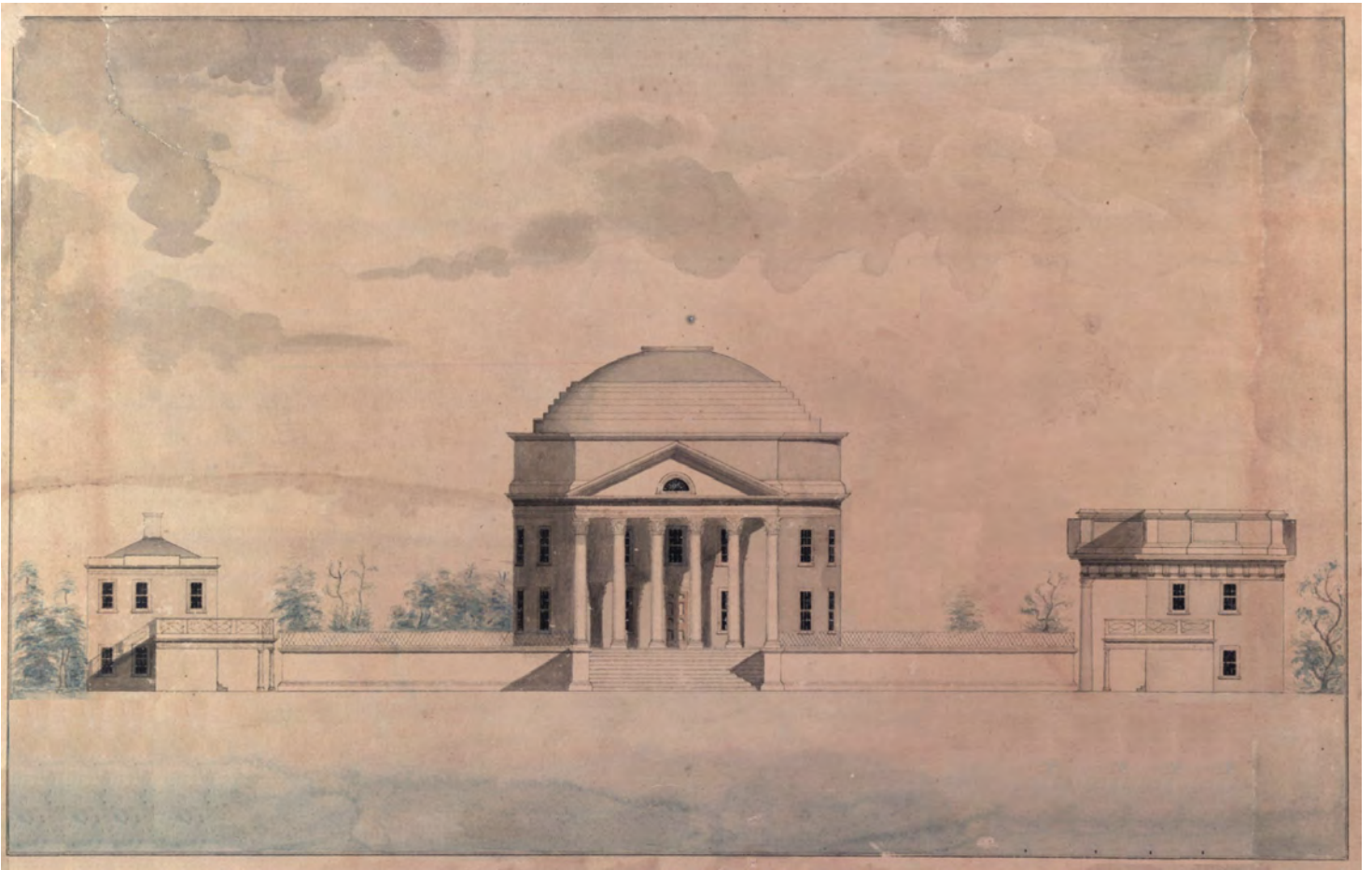
Facilities Planning and Construction
July 1, 2014 - June 30, 2015



Facilities construction completed during the year represented a contract construction work in place volume of \$104.9 million.

Construction Work-in-Place 1994-2015





Neilson's view of the Rotunda with Pavilions IX and X,
Special Collections, University of Virginia Library

We are about to establish a College near Charlottesville on the lands formerly Col. Monroe's, a mile above the town. we do not propose to erect a single grand building, but to form a square of perhaps 200 yards, and to arrange around that pavilions of about 24. by 36. f. [feet] one for every professorship & his school. they are to be of various forms, models of chaste architecture, as examples for the school of architecture to be formed on. we shall build one only in the latter end of this year, and go on with the others year after year,..."

Thomas Jefferson

Letter to John Dinsmore

April 13, 1817