

FES Quarterly Report – Summer 2022

Facilities & Environmental Services Department, Albemarle County



Top of the News

Rio Road/Avon St./US 250 Rockfish Gap Pike Sidewalks Project

This project is a VDOT Revenue Sharing project that supports pedestrian safety by providing sidewalks along Rio Road, Avon Street, and US 250 West (Rockfish Gap Turnpike).

The Rio Road portion of the project connects the Stonehenge residential neighborhood to the John Warner Parkway and Rio Road sidewalk system.

The Avon Street segment provides sidewalks on the east side from Swan Lake Drive to Mill Creek Drive and then to Mountain View Elementary School, and on the west side from Stoney Creek Drive to Arden Drive. It will also connect to the previously completed Neighborhood Improvements Funding Initiative (NIFI) Mountain View sidewalks and crosswalk project.

The US 250 West-Crozet segment includes sidewalks from the Cory Farms development to the Shoppes of Clover Lawn, and sidewalks and an at-grade crosswalk to the Blue Ridge Shopping Center. This segment also includes “traffic-calming” changes that should result in an overall speed reduction to improve public safety along this busy corridor.



Construction began in September of 2021 and is now only a couple of months away from completion. The project team overcame significant challenges related to supply chain delays impacting the availability of storm water piping.

Currently, one small section of asphalt path near the Dunlora neighborhood entrance is all that remains to complete the Rio Road segment of the project. The US 250 West portion of the project is close to completion, crews are finishing up the at-grade crosswalk work in July. The Avon Street segment will be the last to be completed.

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Capital Projects Report

Detailed capital projects scope and updates

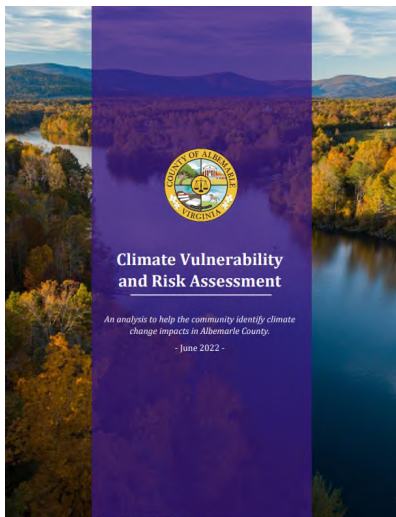
Climate Vulnerability and Risk Assessment

Impacts from climate change are already being felt in Virginia, from rising sea levels on the coast to increasingly severe flash floods and heat waves inland. Albemarle County needs to prepare for the drastic shifts in temperatures, precipitation, and seasonal patterns that climate change is bringing to our region.

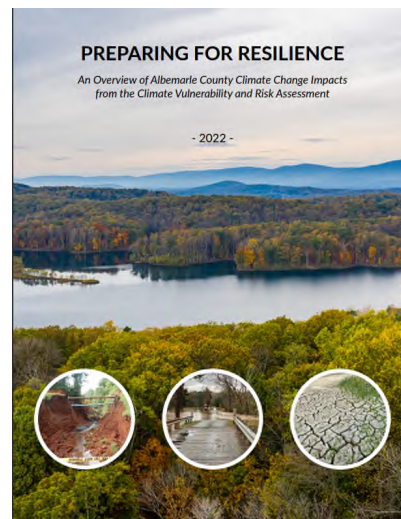
To help the County prepare for climate change and build community resilience to its impacts, staff from multiple departments worked with partners to produce a *Climate Vulnerability and Risk Assessment*. This report identifies the specific natural hazards that will affect our region, who and what in our community will be most exposed to these hazards, and where there is greater vulnerability to adverse impacts.

Along with the technical report, staff worked with partners to produce a digestible overview of the report's main takeaways. These documents can be found here:

[Albemarle County
Climate Vulnerability and Risk Assessment
\(Technical report\)](#)



[Preparing for Resilience: An Overview of
Albemarle County Climate Change Impacts from
the Climate Vulnerability and Risk Assessment](#)



What Can Staff Do Now?

Staff across the organization should be familiar with the report's key concepts and conclusions, as the local implications of climate change will affect how our entire organization serves the community. Here are three ways to familiarize yourself with the Climate Vulnerability and Risk Assessment:

1. If your time is very short, just read the overview document, "Preparing for Resilience" (20 pages with large font, spacious layout, and full of graphics).
2. If you have a little more time, read the Executive Summary of the technical report (8 pages, mostly text with a few charts).
3. If you have a little more time than that, skim through the maps, charts, and tables of chapters that are most relevant to your work.

What's Next?

The findings of the Climate Vulnerability and Risk Assessment will help us craft a Climate Adaptation and Resilience Plan that is relevant for our County, as well as a community engagement process that will center communities most affected by climate change. The planning process will include staff engagement across the organization.

Acknowledgements

We are grateful for the collaboration with multiple partner organizations to produce the *Climate Vulnerability and Risk Assessment* and the companion overview, *Preparing for Resilience*. The technical report was made possible through funding from the DN Batten Foundation and Piedmont Environmental Council (PEC) and was prepared by PEC, Resilient Virginia, Sobis, Inc., and Albemarle County staff. The companion overview was prepared by Green Fin Studio in collaboration with PEC and County staff.

Project Updates

NIFI – AHS / Journey / Greer

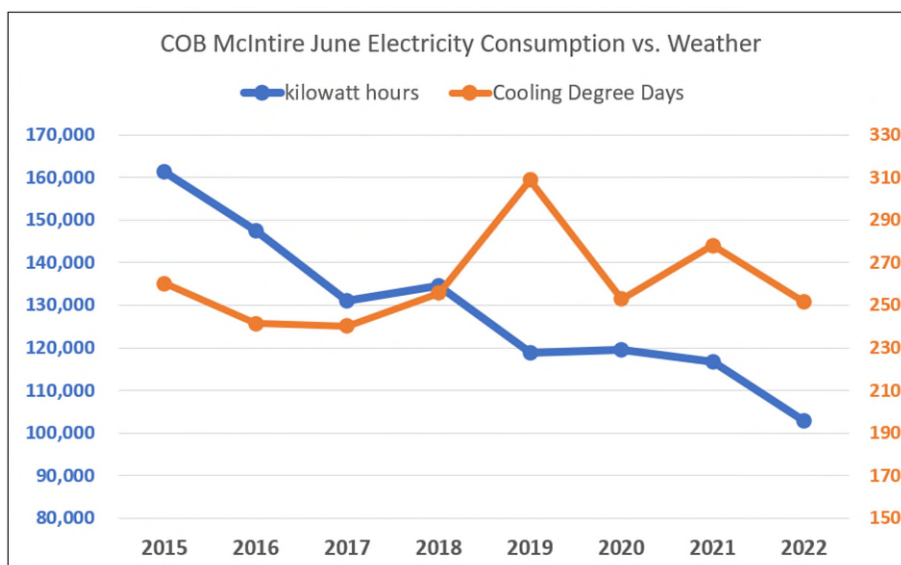
Following an extensive community-driven process, this Neighborhood Improvements Funding Initiative (NIFI) Committee selected the Albemarle-Journey-Greer School Pedestrian Connections along Lambs Lane as one of their priority projects. Partially funded through the Department of Transportation’s Safe Routes to School Grant program, this project includes over 2,000 feet of sidewalks and pathways that stretch from Albemarle High School to Greer Elementary School, along with stormwater infrastructure improvements.

Construction began in early June and a significant amount of clearing and excavating has already occurred. Completion is planned for mid-to-late September of 2022.

McIntire County Office Building (COB) Window Replacement

As many people who work at COB McIntire know, FES is managing the replacement of 376 exterior windows in our building. Construction began in mid-April and is already close to completion. Most of the removal and replacement work has been done in the evening with painting and trim work being performed outside during the day. PM Steve Hoffmann has done an excellent job coordinating and communicating with County staff to ensure that inconveniences are as few as possible.

These new windows have improved insulating characteristics and all new exterior sealants. Staff in the building can feel the difference, and our energy consumption is already down. Factoring in weather, our electricity consumption in the building was down 13% in June compared to the prior year, despite the presence of more employees and visitors. The 13,380 kilowatt hours of electricity saved in just one month represents the greenhouse gas emissions equivalent of a typical home’s energy use for 9 months.



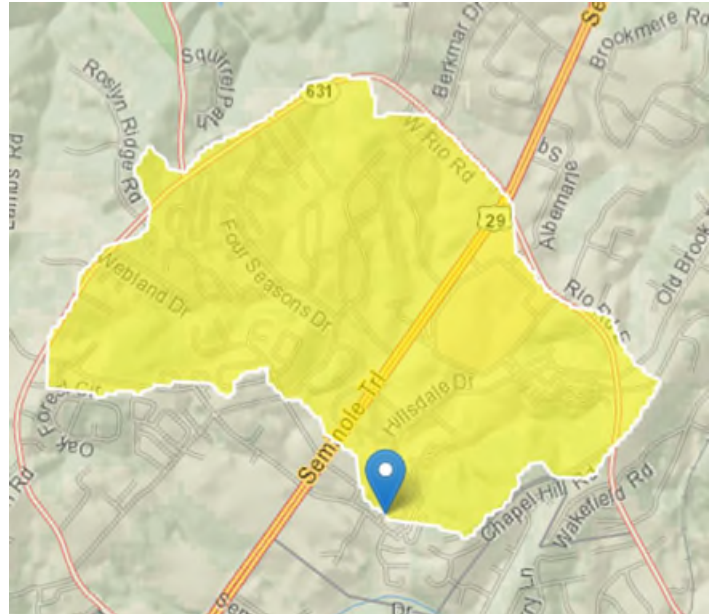
Department Initiatives

FEMA Grant to Support Flood Study

Staff recently learned that the County was awarded a \$96,261 grant under FEMA’s Building Resilient Infrastructure and Communities (BRIC) Program through the Virginia Department of Emergency Management. This grant will support an evaluation of flood risks within the 770-acre Branchlands watershed and the identification of measures that would mitigate these risks.

The Branchlands watershed is a highly urbanized watershed containing a mixture of land uses (ranging from Charlotte Humphris Parks to the Fashion Square mall) and seven County-operated stormwater management facilities. The watershed discharges via an unnamed tributary into Meadow Creek at the City/County boundary.

Using the grant and matching County funds (25% of total project cost), staff will hire an engineering consultant to develop a hydrologic and hydraulic (H&H) model of the watershed. The model will incorporate information that staff have already acquired about the underground drainage system – combined with any additional information needed. Collected rainfall and stream flow data will be used to calibrate the model (to ensure that it replicates real-world conditions).



Once the model is constructed, it can be used to determine areas within the watershed that are at a higher risk of flooding during extreme storms. The key outcome of the project will be the identification of capital projects or other measures – including green infrastructure – that would address the most critical risks. Ideally, the best projects would provide co-benefits beyond flood mitigation: enhancing water quality, reducing heat island, and creating neighborhood amenities.

This project is expected to take several years to complete.

Facilities Technical Energy Audit and Future Capital Improvement Projects

FES recently entered into a contract with Trane Technologies to perform a detailed energy audit of county owned facilities. This effort will identify and prioritize potential energy savings opportunities and upgrades to aging building infrastructure. The Technical Energy Audit will include in-depth review of facilities systems and energy use profiles, including:

- Mechanical Systems – Upgrades or replacement of older less efficient HVAC and Electrical Systems
- Lighting Solutions – Upgrades to LED lighting. Lighting controls
- Water Conservation Opportunities – Upgrades to existing plumbing fixtures to low flow and touchless controls
- Building Envelope – Improvements to correct air leakage. Identify and manage radiant heat gain
- Energy Management System (Building Automation System) – Upgrades to outdated systems, improved demand response and power management
- Energy Supply Solutions – Installation of new Solar PV and Solar Thermal systems.



At the Completion of the Energy Audit, Trane Technologies will provide a complete list of project recommendations, cost estimates and estimated savings for all identified areas. Staff will work with Trane to prioritize, schedule, and begin work. Improvements will be funded through Maintenance CIP funding and be scheduled out over a 3 to 5-year period.

New Employee Spotlight

New Deputy Chief – Construction, Tyler Gifford



Tyler Gifford began his new role in FES as the Deputy Chief – Construction in June. Tyler is responsible for overseeing the non-transportation related projects for the Facilities Planning & Construction Division. Tyler has been with the County since May of 2019 and has 15 years of construction management experience and a BS degree in Construction Management from Alfred State College of New York.

Tyler and his wife Katie live in Albemarle County and have two young sons. In his spare time Tyler enjoys motorcycle racing and camping.

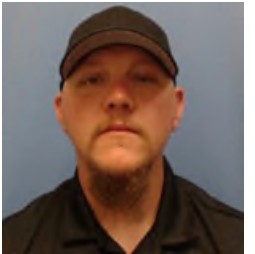
New Project Manager / Project Inspector - Scott Reuschling



Also in June, FES welcomed Scott Reuschling to our FP&C division as a Project Manager/Project Inspector. Scott is no stranger to most County personnel as he has been with Albemarle County for over 20 years as a Commercial Building Inspector in the Community Development Department.

Scott and his wife Susan live in Albemarle County and have four daughters and four grandchildren. In his spare time Scott enjoys fishing and lure making.

Maintenance Mechanic II - Frank Owens



Frank Owens was another great June addition to our team, in the Public Works division. Frank was previously employed with Albemarle County Public Schools Building Services for 7 ½ years and was responsible for maintaining HVAC, Grounds, Electrical and Plumbing systems. Previously Frank was a union iron worker and foreman in Washington, D.C.

Frank enjoys playing music (drums, guitar, bass, and backup vocals) with his band, Southern Crossroads, and spending quality time with his family.

Physical Security Specialist - Calvin Chisholm



June was a **big** month for FES! Calvin Chisholm is a familiar face, previously supporting the County as a contracted security ambassador. Before specializing in security, Calvin was employed for 5 years in construction. Calvin will primarily reside at the County Office Building on 5th Street but will cover evening meetings and Friday shifts at COB-McIntire. He brings a wealth of knowledge of our facilities and excellent customer service to our organization.

Calvin is excited to work for the County of Albemarle. In his spare time, he enjoys exercising.

Interested in learning more about the County's **Native Plant Program**? Check out the first ever Annual Report at www.albemarle.org/nativeplants. Contents include background information, a summary of last year's accomplishments, and goals for the coming years.



Summary - Active Capital Projects

Monday, July 11, 2022

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Local Government

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
ACFR Burn Building - Paving	Scottsville	Complete	100%	\$50,000
Biscuit Run Phase 1a	Scottsville	Design	45%	\$2,171,755
Brook Hill Proffer Study	Rivanna	Design	75%	\$173,458
COB 5th Roof Replacement	Scottsville	Construction	65%	\$2,257,441
COB McIntire UPS Replacement	NA	Construction	50%	\$200,000
COB McIntire Window Replacement	NA	Construction	90%	\$1,681,791
Courts Complex Addition & Renovation	NA	Design	35%	\$30,993,225
Facilities Master Plan Study	Multiple	Design	33%	\$159,390
Greenwood Comm Ctr ADA Projects	White Hall	Initiation	0%	\$300,000
Mint Springs Park Upper Lake Improvements	White Hall	Contractor Bid	47%	\$92,000
Scottsville Community Ctr Building Upgrades	Scottsville	Design	16%	\$400,000
Scottsville Community Ctr Roof	Scottsville	Contractor Bid	23%	\$300,000
Southern Convenience Center	Samuel Miller	Construction Bid	40%	\$1,084,240

Total: \$39,863,300

NIFI

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
NIFI - Albemarle Jouett Greer SRTS	Jack Jouett	Construction	70%	\$1,096,390
NIFI - The Square	White Hall	Design	0%	\$1,510,000

Total: \$2,606,390

Schools

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
AHS HVAC 92 Addition	Jack Jouett	Construction	35%	\$2,726,340
Air Handler-Monticello High	Scottsville	Design	15%	\$390,000
Elevator Maintenance - Greer	Jack Jouett	Closeout	60%	\$80,000
FY22 Electrical Upgrades	Samuel Miller	Construction	50%	\$218,000

Schools

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
FY22 Restroom Upgrades Hollymead and Walton	Multiple	Construction	35%	\$200,000
FY22 Schools Summer Roofing - WAHS Phase 1 & Phase 2, Burley Addition, Walton Phase 2	Multiple	Construction	55%	\$2,965,150
Generator Installation - Greer and Agnor Hurt	Multiple	Construction	55%	\$550,000
Greer Freezer and Cooler	Jack Jouett	Construction	33%	\$233,062
RTU Upgrades-Woodbrook & Stony Point	Multiple	Construction	35%	\$375,185
Tech Lab HVAC - Henley and Journey	Multiple	Construction	38%	\$356,377
WAHS Softball Restrooms/ADA	White Hall	Construction	95%	\$829,000
Walton Domestic Water Supply Replacement	Scottsville	Construction	53%	\$713,562
			Total:	\$9,636,676

Transportation

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
Berkmar Bike Ped Improvements	Rio	Design	2%	\$2,890,026
Sidewalk - Commonwealth/Dominion	Jack Jouett	Design	15%	\$3,336,224
Sidewalk - Ivy Road	Multiple	Construction	65%	\$3,078,000
Sidewalk - Library Avenue	White Hall	Design	10%	\$0
Sidewalk - Old Lynchburg Road Sidewalk Improvements	Samuel Miller	Design	2%	\$75,000
Sidewalk - Rio Road, Avon Street & Rt. 250 West-Crozet	Multiple	Construction	90%	\$5,005,209
			Total:	\$14,384,459

Water Resources

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
Mint Springs Dam Improvements	White Hall	Initiation	5%	\$300,000
Woodbrook Lagoon Maintenance and Repairs	Rivanna	Design	42%	\$183,107
			Total:	\$483,107

\$66,973,932

Summary - Active Capital Projects

Monday, July 11, 2022

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Jack Jouett

Project Name	Project Type	ProjectPhase	% Complete	Budget
NIFI - Albemarle Jouett Greer SRTS	NIFI	Construction	70%	\$1,096,390
AHS HVAC 92 Addition	Schools	Construction	35%	\$2,726,340
Elevator Maintenance - Greer	Schools	Closeout	60%	\$80,000
Greer Freezer and Cooler	Schools	Construction	33%	\$233,062
Sidewalk - Commonwealth/Dominion	Transportation	Design	15%	\$3,336,224
			Total:	\$7,472,016

Rio

Project Name	Project Type	ProjectPhase	% Complete	Budget
Berkmar Bike Ped Improvements	Transportation	Design	2%	\$2,890,026
			Total:	\$2,890,026

Rivanna

Project Name	Project Type	ProjectPhase	% Complete	Budget
Brook Hill Proffer Study	Local Government	Design	75%	\$173,458
Woodbrook Lagoon Maintenance and Repairs	Water Resources	Design	42%	\$183,107
			Total:	\$356,565

Samuel Miller

Project Name	Project Type	ProjectPhase	% Complete	Budget
Southern Convenience Center	Local Government	Construction Bid	40%	\$1,084,240
FY22 Electrical Upgrades	Schools	Construction	50%	\$218,000
Sidewalk - Old Lynchburg Road Sidewalk Improvements	Transportation	Design	2%	\$75,000
			Total:	\$1,377,240

Scottsville

Project Name	Project Type	ProjectPhase	% Complete	Budget
ACFR Burn Building - Paving	Local Government	Complete	100%	\$50,000
Biscuit Run Phase 1a	Local Government	Design	45%	\$2,171,755
COB 5th Roof Replacement	Local Government	Construction	65%	\$2,257,441
Scottsville Community Ctr Building Upgrades	Local Government	Design	16%	\$400,000
Scottsville Community Ctr Roof	Local Government	Contractor Bid	23%	\$300,000
Air Handler-Monticello High	Schools	Design	15%	\$390,000
Walton Domestic Water Supply Replacement	Schools	Construction	53%	\$713,562
			Total:	\$6,282,758

White Hall

Project Name	Project Type	ProjectPhase	% Complete	Budget
Greenwood Comm Ctr ADA Projects	Local Government	Initiation	0%	\$300,000
Mint Springs Park Upper Lake Improvements	Local Government	Contractor Bid	47%	\$92,000
NIFI - The Square	NIFI	Design	0%	\$1,510,000
WAHS Softball Restrooms/ADA	Schools	Construction	95%	\$829,000
Sidewalk - Library Avenue	Transportation	Design	10%	\$0
Mint Springs Dam Improvements	Water Resources	Initiation	5%	\$300,000
			Total:	\$3,031,000

Multiple

Project Name	Project Type	ProjectPhase	% Complete	Budget
Facilities Master Plan Study	Local Government	Design	33%	\$159,390
FY22 Restroom Upgrades Hollymead and Walton	Schools	Construction	35%	\$200,000
FY22 Schools Summer Roofing - WAHS Phase 1 & Phase 2, Burley Addition, Walton Phase 2	Schools	Construction	55%	\$2,965,150
Generator Installation - Greer and Agnor Hurt	Schools	Construction	55%	\$550,000
RTU Upgrades-Woodbrook & Stony Point	Schools	Construction	35%	\$375,185
Tech Lab HVAC - Henley and Journey	Schools	Construction	38%	\$356,377
Sidewalk - Ivy Road	Transportation	Construction	65%	\$3,078,000
Sidewalk - Rio Road, Avon Street & Rt. 250 West-Crozet	Transportation	Construction	90%	\$5,005,209

Total: \$12,689,311

NA

Project Name	Project Type	ProjectPhase	% Complete	Budget
COB McIntire UPS Replacement	Local Government	Construction	50%	\$200,000
COB McIntire Window Replacement	Local Government	Construction	90%	\$1,681,791
Courts Complex Addition & Renovation	Local Government	Design	35%	\$30,993,225

Total: \$32,875,016

\$66,973,932

Capital Projects Report - Facilities and Environmental Services

Local Government

ACFR Burn Building - Paving

Project Scope

This project will rehabilitate the pavement from the Albemarle-Regional Jail service road down to and including the pavement around the Fire Rescue Burn Building. Current pavement is in poor condition and provides uneven surfaces for training activities.

Project Update

The pavement rehabilitation project was completed on 6/17/22.



Current Phase: Complete

% Complete: 100%

Design % Complete: 100%

Construction % Complete: 100%

Updated: 7/7/2022

Managed By: Mike Stumbaugh

Substantial Completion: 7/1/2022

Budget: \$50,000.00

PO Balance: \$41,952.00

Paid to Date: \$0.00

Balance: \$8,048.00

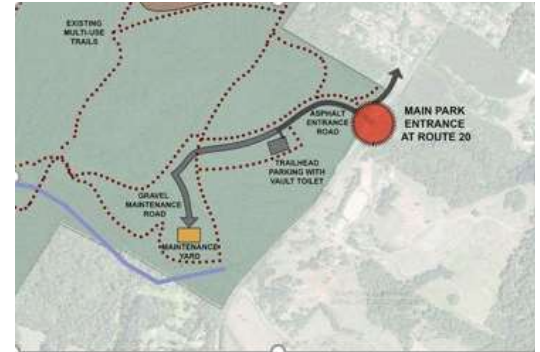
Capital Projects Report - Facilities and Environmental Services

Local Government

Biscuit Run Phase 1a

Project Scope

Biscuit Run Park is a nearly 1,200 acre property located in Albemarle County. The Commonwealth of Virginia acquired the property in 2009 and announced a partnership with Albemarle County to open Biscuit Run park to the public. The park partnership is the first of its kind in Albemarle's development area and will provide high-quality recreational opportunities for Albemarle County and the surrounding communities. A minimum of 80% of the park will remain forested, all sensitive natural heritage resources will be protected, and management concerns like invasive species will be addressed. Phase 1a of the Biscuit Run project will consist of a New Rte. 20 Park Entrance, Paved Access Drive, Trailhead Parking and Restrooms.



Project Update

The design consultant presented the Basis of Design Report to VDOT and County Staff on 6/1/22 which addressed all comments presented by VDOT in prior design iterations. The report also contained a Proposed Conceptual Design for the connection at Route 20 that furthers the conversation with VDOT regarding the entrance into Biscuit Run. The Engineering consultant and County Staff are currently reviewing the Strategic Project Management Approach Summary and Schedule.

Current Phase:	Design	Budget:	\$2,171,755.00
% Complete:	45%	PO Balance:	\$205,055.84
Design % Complete:	85%	Paid to Date:	\$332,028.60
Construction % Complete:	0%	Balance:	\$1,634,670.56
Updated:	7/7/2022		
Managed By:	Steve Hoffmann		
Substantial Completion:	9/12/2023		

Capital Projects Report - Facilities and Environmental Services

Local Government

Brook Hill Proffer Study

Project Scope

Professional Services for the development of a study to analyze the possible relocation of Albemarle Public Schools (ACPS) Vehicle Maintenance Facility, Building Services Department, as well as Local Government potential projects that include a Convenience Center, Recycling Center, Maintenance Facility, storage facilities for various County departments and trails for Parks & Recreation. The study will identify and confirm potential uses for the parcel, identify challenges and risks associated with development of this parcel, provide exhibits illustrating test fits for multiple facilities, and provide estimates for work associated with development.

Project Update

Conceptual test-fit drawings were provided by AE. FES are reviewing and will provide comments, and same drawings were sent to school's Building Services and Transportation departments for review and feedback. Comments from school personnel are due on 7/12. Some utilities could be challenging from an access and cost standpoint.

Current Phase:	Design	Budget:	\$173,458.00
% Complete:	75%	PO Balance:	\$162,378.00
Design % Complete:	75%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$11,080.00
Updated:	7/6/2022		
Managed By:	Blake Abplanalp		
Substantial Completion:	8/15/2022		

Capital Projects Report - Facilities and Environmental Services

Local Government

COB 5th Roof Replacement

Project Scope

The Partial Roof Replacement at the County Office Building 5th Street will entail the removal of all the existing flat EPDM roof systems, and replacement with the installation of a new fully adhered EPDM roof system over tapered insulation. Roof work will also include repairs to the existing skylight features and a full weight load assessment of the roof structural elements for future potential solar array installation. There is a total of 92,300sf of roof to be replaced at this facility.

Project Update

Staff issued the notice to proceed for this project on 6/6/2022. The roof contractor mobilized and started work on 6/20. Roof work is currently at 25% complete and on schedule. Roof work is scheduled to be substantially complete by October 4, 2022.



Current Phase:	Construction	Budget:	\$2,257,441.00
% Complete:	65%	PO Balance:	\$1,804,168.00
Design % Complete:	100%	Paid to Date:	\$88,947.60
Construction % Complete:	25%	Balance:	\$364,325.40
Updated:	7/7/2022		
Managed By:	Steve Hoffmann		
Substantial Completion:	10/4/2022		

Capital Projects Report - Facilities and Environmental Services

Local Government

COB McIntire UPS Replacement

Project Scope

Replacement of the existing, outdated, Uninterrupted Power Source battery backup system with 2, new, Uninterrupted power Source units to support the IT servers. This will be a redundant system ensuring the servers are protected in the event one of the batteries fails during a power outage.

Project Update

The uninterruptable power supply (UPS) components were delivered to the Vendor at the end of May. The Project continues to be delayed due to supply chain issues with the power distribution unit (PDU) components which are shipping from a manufacturing facility in Nebraska by September 22, 2022. The equipment is expected to be installed in October with the project complete by mid-November 2022.



Current Phase: Construction
% Complete: 50%
Design % Complete: 100%
Construction % Complete: 0%
Updated: 7/8/2022
Managed By: Tyler Gifford
Substantial Completion: 11/16/2022

Budget: \$200,000.00
PO Balance: \$60,007.59
Paid to Date: \$128,444.29
Balance: \$11,548.12

Capital Projects Report - Facilities and Environmental Services

Local Government

COB McIntire Window Replacement

Project Scope

The windows, installed in 1979-1980 are inefficient, are well beyond their expected life span and are beginning to fail. Windows will be replaced along with portions of the building envelope that surround the windows. This will result in a more energy efficient building while maintaining the historic character of the facility.

Project Update

Window Replacement work is Substantially Complete for all interior window replacements. All remaining exterior finish work including painting and caulking will be performed during the day and all interior Punch List is being performed during the night time hours. Punch List and Blind reinstallation will reach final completion in the coming weeks.



Current Phase:	Construction	Budget:	\$1,681,790.81
% Complete:	90%	PO Balance:	\$584,085.17
Design % Complete:	100%	Paid to Date:	\$818,894.59
Construction % Complete:	80%	Balance:	\$278,811.05
Updated:	7/7/2022		
Managed By:	Steve Hoffmann		
Substantial Completion:	6/30/2022		

Capital Projects Report - Facilities and Environmental Services

Local Government

Courts Complex Addition & Renovation

Project Scope

This project will expand capacity and modernize Court facilities to support projected space needs through 2035, and will be conducted in two phases. Phase I: In partnership with the City of Charlottesville, construct a new co-located General District Court facilities and renovate the historic portion of the Levy Opera House to accommodate the Albemarle Commonwealth Attorney's office. Phase II: renovation and modernization of the historic Albemarle County courts complex to house the Albemarle County Circuit Court.



Project Update

Staff received the Design Development plans and estimate in mid-May. Staff are finishing up the review of the plans (600 sheets) and estimate provided by the Construction Manager at Risk (CMAR). Staff plans to authorize moving in to construction document phase (CD's) by end of July. Staff considering direct contract on demolition of Levy Building. Anticipate demolition starting in early CY23. Staff currently working on constructability analysis and value engineering work to reduce overall budget.

Current Phase:	Design	Budget:	\$30,993,225.00
% Complete:	35%	PO Balance:	\$2,609,247.52
Design % Complete:	50%	Paid to Date:	\$2,924,883.94
Construction % Complete:	0%	Balance:	\$25,459,093.54
Updated:	7/1/2022		
Managed By:	Walter Harris		
Substantial Completion:	12/30/2025		

Capital Projects Report - Facilities and Environmental Services

Local Government

Facilities Master Plan Study

Project Scope

The purpose of the Facilities Master Plan is to assess existing and future space needs (20-year window) of County functions, and make recommendations to ensure adequate spaces. Assessment will also include opportunities to improve customer interface. Recommendations may include additions to assorted County facilities, potential space leasing, and/or new construction, but will account for space-saving opportunities associated with employee teleworking.

Project Update

In coordination with the Performance and Strategic Planning office, FES Staff continue to develop scope for the next phase of facilities planning which will include three parts; 1. Site visits for the Consultant of both County office buildings, 2. Meeting with Organizational Leadership Team and tour of the agile offices at the CODE building, and 3. Perform a Program of Requirements analysis for each department. The analysis will look for opportunities to consolidate, share, or reduce support space within each department including providing detailed space needs and adjacencies to other departments. This next phase of planning is expected to take about six months with completion by the end of the first quarter of 2023.



Current Phase:	Design	Budget:	\$159,390.00
% Complete:	33%	PO Balance:	\$0.00
Design % Complete:	0%	Paid to Date:	\$130,508.68
Construction % Complete:	0%	Balance:	\$28,881.32
Updated:	7/8/2022		
Managed By:	Tyler Gifford		
Substantial Completion:	2/3/2023		

Capital Projects Report - Facilities and Environmental Services

Local Government

Greenwood Comm Ctr ADA Projects

Project Scope

Provide designated ADA entrances to the lower and upper levels of the building including the required number of handicap parking spaces. Renovate the 2 toilets on the lower level to make them ADA accessible. The project also includes evaluation of the existing, exterior ramp to confirm whether it is ADA-compliant. If not, then delineate options for modifications or replacement.

Project Update

Awaiting receipt of a (design) fee proposal from Quinn Evans Architects. Design is scheduled to commence during Summer '22, with bidding in the Fall '22, and construction occurring between Winter '23 and Spring '23.



Current Phase:	Initiation	Budget:	\$300,000.00
% Complete:	0%	PO Balance:	
Design % Complete:	1%	Paid to Date:	
Construction % Complete:	0%	Balance:	\$300,000.00
Updated:	6/30/2022		
Managed By:	Montie Breeden		
Substantial Completion:	5/19/2023		

Capital Projects Report - Facilities and Environmental Services

Local Government

Mint Springs Park Upper Lake Improvements

Project Scope

Design and construction for replacement of existing dam valve and new access platform

Project Update

County approved final design on 6/17/2022.

Architect has applied for the DCR Alteration Permit and has requested a quote from a contractor with a County Term Contract. County Staff, A/E, and Term Contractor are meeting 7/7/22 to discuss the overall project and anticipated construction cost.

Current Phase:	Contractor Bid	Budget:	\$92,000.00
% Complete:	47%	PO Balance:	\$12,826.00
Design % Complete:	76%	Paid to Date:	\$4,077.00
Construction % Complete:	0%	Balance:	\$75,097.00
Updated:	7/6/2022		
Managed By:	Taygra Longstaff		
Substantial Completion:	12/16/2022		

Capital Projects Report - Facilities and Environmental Services

Local Government

Scottsville Community Ctr Building Upgrades

Project Scope

Scope of work on this project includes: 1. Structural inspection and repair of interior and exterior walls experiencing cracking 2. Roof drain inspection and repair 3. Design and construction of a 2nd ADA compliant entrance 4. Repair of existing back steps, rails, and awning and modifications to existing ADA ramp to meet current ADA standards 5. Main Entrance Restroom renovation

Project Update

Structural Engineer and County PM met onsite 6/13 to review cracking of the masonry around the high roof. Details for repair are expected mid-July. Quotes from masonry contractors will be requested for this scope of work separate from the rest of the project to expedite these repairs so they do not impact the parallel roof replacement project.

The scope of the project was adjusted by County staff to eliminate the additional ramp at the back gym entrances. Instead, both entrances will have their stair cases redesigned and repaired, and ADA access will be focused on improving the existing front entrance to meet current codes. The lead Architect is working on preliminary drawings for all building updates which are anticipated by mid-July.



Current Phase:	Design	Budget:	\$400,000.00
% Complete:	16%	PO Balance:	\$25,179.00
Design % Complete:	51%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$374,821.00
Updated:	7/6/2022		
Managed By:	Taygra Longstaff		
Substantial Completion:	2/13/2023		

Capital Projects Report - Facilities and Environmental Services

Local Government

Scottsville Community Ctr Roof

Project Scope

Scottsville Community Center Roof Replacement Scope includes assessment and design for replacing approximately 16,000SF of roofing including the Gym Roof.

Project Update

Final documents were posted for bid 6/14/22.

Nine potential bidders attended the pre-bid meeting on 6/21/22. No pre-bid questions were received. Virtual bid opening is scheduled for 3pm 7/8/22.

Substantial completion is anticipated by Mid-December 2022.

Current Phase:	Contractor Bid	Budget:	\$300,000.00
% Complete:	23%	PO Balance:	\$27,280.00
Design % Complete:	100%	Paid to Date:	
Construction % Complete:	0%	Balance:	\$273,495.00
Updated:	7/11/2022		
Managed By:	Taygra Longstaff		
Substantial Completion:	12/16/2022		

Capital Projects Report - Facilities and Environmental Services

Local Government

Southern Convenience Center

Project Scope

In coordination with the Rivanna Solid Waste Authority, design and construction of a solid-waste convenience center to service Southern Albemarle County. Budget includes all costs associated with on-site amenities, including the purchase of containers and compactors. The design includes a bid additive item to extend the bounds of the project to the east, to accommodate an additional household waste compactor, should demand for this service element be high.

Project Update

Rivanna is in the process of working through all the contract documentation with the low bidder. The contract is expected to be executed by the end of July and ground breaking by mid-August.



The Water Protection Ordinance plans were approved by the County on 6/28/2022.

Substantial completion is expected in early December.

Current Phase:	Construction Bid	Budget:	\$1,084,240.00
% Complete:	40%	PO Balance:	\$0.00
Design % Complete:	100%	Paid to Date:	\$15,760.00
Construction % Complete:	0%	Balance:	\$1,068,480.00
Updated:	7/11/2022		
Managed By:	Taygra Longstaff		
Substantial Completion:	12/9/2022		

Capital Projects Report - Facilities and Environmental Services

NIFI

NIFI - Albemarle Jouett Greer SRTS

Project Scope

Following an extensive community-driven process, the Places29-Hydraulic Community Advisory Committee selected the Albemarle-Jouett-Greer School Pedestrian Connections as one of their priority projects. The critical need for this crosswalk was also identified in the "Safe Routes to School (SRTS) Travel Plan - Greer Elementary Jouett Middle" dated May 2012. The CAC used a portion of their NIFI allocation to leverage a VDOT Safe Routes to School grant for the design and construction of the project. Scope of work includes approximately 2015 ft of pedestrian improvements throughout the complex, including 485 ft of concrete sidewalk (8' wide); 1430 ft of multi-use trail (10' wide); and 100 ft of pedestrian crosswalks. Stormwater management for the additional impervious area will also be provided.



Project Update

Contractor finished clearing and grubbing the site in preparation for excavation and grading for the new path and sidewalks on 6/23. Grading for the new trail started on 6/24 and preparation for sidewalk work started first week of July. This project will be substantially complete 120 days after Notice To Proceed or September 2, 2022.

Current Phase:	Construction	Budget:	\$1,096,390.48
% Complete:	70%	PO Balance:	\$846,270.38
Design % Complete:	100%	Paid to Date:	\$147,245.71
Construction % Complete:	45%	Balance:	\$101,795.74
Updated:	7/7/2022		
Managed By:	Steve Hoffmann		
Substantial Completion:	9/2/2022		

Capital Projects Report - Facilities and Environmental Services

NIFI

NIFI - The Square

Project Scope

Following an extensive community-driven process, the Crozet Community Advisory Committee selected The Square and Oak Street Improvements as one of their priority projects. The Square is a focal point of Downtown Crozet and Oak Street will provide a critical connection to Library Avenue. Therefore the CAC used their NIFI allocation to leverage a Virginia Department of Transportation (VDOT) Revenue Sharing funds for the design and construction of the project. This locally administered Revenue Sharing project will improve the existing public street and on-street parking, including: altering traffic flow direction and/or ingress/egress at Crozet Avenue, formalizing and providing angled parking along both sides, new sidewalk in front of the businesses, improving ADA accessibility, grading/drainage improvements to prevent flooding of the businesses east of the alley intersection, and drainage system to convey storm runoff to Oak Street along with street, sidewalk and drainage improvements to Oak Street.



Project Update

Valuation packages have been reviewed by the County Assessor for due diligence. These packages have also been reviewed by the Office of the County Attorney. The design engineer (Kimley Horn Associates) will be released to submit the 60% plan set to VDOT once the valuation packages have been approved and signed by the County project manager.

Current Phase:	Design	Budget:	\$1,510,000.00
% Complete:	0%	PO Balance:	\$95,006.64
Design % Complete:	30%	Paid to Date:	\$182,308.76
Construction % Complete:	0%	Balance:	\$1,232,684.60
Updated:	7/7/2022		
Managed By:	Mike Stumbaugh		
Substantial Completion:	6/23/2024		

Capital Projects Report - Facilities and Environmental Services

Schools

AHS HVAC 92 Addition

Project Scope

The facility has outdated HVAC equipment that has reached the end of its useful life span and requires replacement. Some of this equipment has become increasingly unreliable and expensive to repair. Albemarle County Schools has decided to replace the existing mechanical systems with a high-efficiency climate controls system.

Project Update

Contractor has completed all demolition. They have started to lay out all mechanical duct to identify any potential conflicts.

Current Phase:	Construction	Budget:	\$2,726,340.00
% Complete:	35%	PO Balance:	\$2,444,433.96
Design % Complete:	100%	Paid to Date:	\$116,251.04
Construction % Complete:	20%	Balance:	\$165,655.00
Updated:	7/1/2022		
Managed By:	Walter Harris		
Substantial Completion:	1/11/2023		

Capital Projects Report - Facilities and Environmental Services

Schools

Air Handler-Monticello High

Project Scope

Replacement of the original twelve (12) air handler units at Monticello High School. The work will occur over three summers, beginning in 2022.

Project Update

The Engineer, Thompson Engineers, provided 95% construction document set of drawings on May 27th. Both County and Schools staff have completed review. Albemarle County Public Schools is currently securing the approximately \$2.5 Million in funding needed for the project then will go out to bid. With the project involving the replacement of twelve units construction is anticipated to be phased over the summers of 2023, 2024 and 2025 the bid and construction phases will be managed by ACPS Building Services.

Current Phase:	Design	Budget:	\$390,000.00
% Complete:	15%	PO Balance:	\$13,094.00
Design % Complete:	95%	Paid to Date:	\$84,865.00
Construction % Complete:	0%	Balance:	\$292,041.00
Updated:	7/8/2022		
Managed By:	Tyler Gifford		
Substantial Completion:	8/8/2025		

Capital Projects Report - Facilities and Environmental Services

Schools

Elevator Maintenance - Greer

Project Scope

Maintenance and safety upgrades to the elevator serving the school. Controls and safety features will be upgraded to current standards.

Project Update

The contractor began replacement of components on Tuesday June 14th, and has about 5 weeks of work remaining to complete the installation. This maintenance work will be complete prior to the start of the 22/23 school year.



Current Phase: Closeout

% Complete: 60%

Design % Complete: 100%

Construction % Complete: 20%

Updated: 7/8/2022

Managed By: Tyler Gifford

Substantial Completion: 8/8/2022

Budget: \$80,000.00

PO Balance: \$36,175.00

Paid to Date: \$36,175.00

Balance: \$7,650.00

Capital Projects Report - Facilities and Environmental Services

Schools

FY22 Electrical Upgrades

Project Scope

Removal and replacement of the old, outdated, Main Service Switchboard and Motor Control Center at Western Albemarle High School. This system assists in the prevention and protection of short circuiting of specific circuits without interruption to the entire electrical system.

Project Update

The switchgear components are expected to be delivered on July 19th and the Contractor, Ebenezer Electric, will immediately begin work. Staff has coordinated a week long power outage at Western Albemarle High School the week of July 25th to perform the replacement of the main electrical switchgear. If the electrical components ship any later than mid-July due to ongoing supply chain issues then the project may need to be postponed to the Summer of 2023.



Current Phase:	Construction	Budget:	\$218,000.00
% Complete:	50%	PO Balance:	\$96,573.45
Design % Complete:	100%	Paid to Date:	\$27,455.55
Construction % Complete:	0%	Balance:	\$93,971.00
Updated:	7/8/2022		
Managed By:	Tyler Gifford		
Substantial Completion:	8/8/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

FY22 Restroom Upgrades Hollymead and Walton

Project Scope

Replacement of existing ceramic tile flooring and wall finishes with new ceramic tile finishes at Hollymead Elementary and Walton Middle School.

Project Update

Demolition of toilets (partitions, fixtures, accessories, floor tiles) is completed at both schools. At Hollymead, the floors and walls have been coated in preparation of the installation of the new floor and wall tiles. At Walton, plumbers are re-working the plumbing rough-ins of 9 fixtures due to lack of back-wall clearance when the new plumbing fixtures are installed. When this work has been completed, by mid-July '22, the floors and walls will be coated in advance of the installation of the new floor and wall tiles. The first construction meeting was conducted on 06-23-22. Substantial Completion is scheduled for 08-



Current Phase:	Construction	Budget:	\$200,000.00
% Complete:	35%	PO Balance:	\$163,360.55
Design % Complete:	100%	Paid to Date:	\$26,946.45
Construction % Complete:	20%	Balance:	\$9,693.00
Updated:	6/30/2022		
Managed By:	Montie Breedon		
Substantial Completion:	8/9/2022		

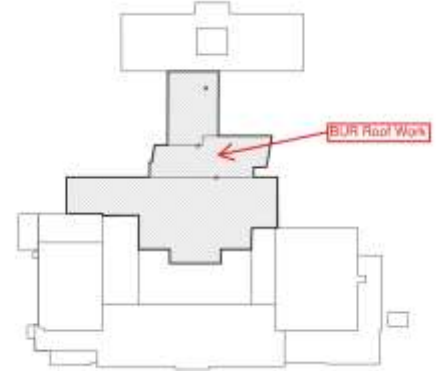
Capital Projects Report - Facilities and Environmental Services

Schools

FY22 Schools Summer Roofing - WAHS Phase 1 & Phase 2, Burley Addition, Walton Phase 2

Project Scope

This summer's Roof Projects are the partial roof replacements at three schools: Western Albemarle High School, Burley Middle School and Walton Middle School. Both the Western Albemarle High School Phase 1 and Walton Phase 2 work delayed from the summer of 2021 will be included in this summer's work. At all three schools the work will entail removal of existing roof systems, and the installation of a new fully adhered EPDM roof system over tapered insulation. There is a total of 160,183sf of roof to be replaced this summer with WAHS Phase 1 roof receiving 45,518sf of replacement while Phase 2 will receive 52,702sf of replacement. Burley Addition is the smallest roof at 19,027sf while Walton Phase 2 will be the most difficult with a significant amount of asbestos abatement and built-up roof removal for 42,936sf.



Project Update

Western Albemarle High School Phase 1 Roof Replacement - Staff issued the notice to proceed for this project on 6/24/2022. Work is currently at roughly 10% complete and on target. Substantial completion is slated for 8/5/2022.

Western Albemarle High School Phase 2 Roof Replacement - Staff is currently working with an alternate contractor to procure roof re-coating services through a cooperative contract. This contractor will be able to procure materials and complete the project to meet Schools summer break construction schedule. Staff is currently reviewing proposals for work. Substantial completion is slated for 8/5/2022.

Burley Addition Roof Replacement - Staff is currently reviewing a proposal from an alternate contractor to procure roof re-coating services through a cooperative contract. This project may be put on hold until next year if a contract cannot be negotiated to bring this proposal into budget.

Walton Roof Replacement Phase 2 - Staff issued the notice to proceed for this project on 6/23/2022. Work is currently at roughly 45% complete and on target. Substantial completion is slated for 8/5/2022.

Current Phase:	Construction	Budget:	\$2,965,150.00
% Complete:	55%	PO Balance:	\$67,763.00
Design % Complete:	100%	Paid to Date:	\$72,053.60
Construction % Complete:	10%	Balance:	\$2,825,333.40
Updated:	7/7/2022		
Managed By:	Steve Hoffmann		
Substantial Completion:	8/5/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

Generator Installation - Greer and Agnor Hurt

Project Scope

New Emergency backup generator for Greer Elementary School and Agnor-Hurt Middle School. These generators will provide backup power for emergency lighting, IT equipment, fire safety equipment as well as kitchen coolers and warmers.

Project Update

For the Greer generator, the Contractor, Ebenezer Electric, started installation on July 6th. The generator and automatic transfer switch (ATS) is scheduled to be delivered on July 18th. The project is expected to be complete prior to the start of the 22/23 school year.

For the Agnor Hurt generator, the Contractor, Master Electrical Services, began rough-in work on June 29th. The major electrical work will occur this summer, however the manufacturing of the automatic transfer switch (ATS) is delayed until November 2022. The remaining installation is being coordinated to complete over the 2022 winter break.



Current Phase:	Construction	Budget:	\$550,000.00
% Complete:	55%	PO Balance:	\$352,936.14
Design % Complete:	100%	Paid to Date:	\$38,350.50
Construction % Complete:	10%	Balance:	\$158,713.36
Updated:	7/8/2022		
Managed By:	Tyler Gifford		
Substantial Completion:	1/2/2023		

Capital Projects Report - Facilities and Environmental Services

Schools

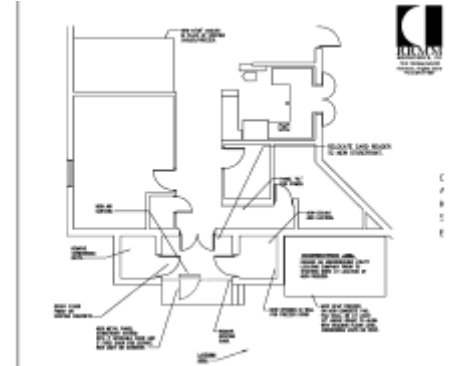
Greer Freezer and Cooler

Project Scope

Replacement of existing walk-in cooler and freezer with new, larger units. The new cooler will be located inside the building; the new freezer will be on the exterior of the school.

Project Update

A (partial) concrete pour was made in mid-MAY at the (exterior) freezer pad. The next and final concrete pour is scheduled for 07-06-22. The new freezer will be placed on the pad by crane in mid-July '22. Summer school, with meals, will occur during the month of July, there will be no interior work related to the replacement of the cooler. Instead, crews will work outside expanding the depth of the existing loading dock. The new interior cooler is scheduled to be delivered in early-August '22. This timeframe coincides with the conclusion of summer school so construction crews will then begin interior work on the cooler replacement. Substantial Completion is scheduled for 08-09-22; however, it is anticipated that date will be pushed out 1-week or so.



Current Phase:	Construction	Budget:	\$233,062.00
% Complete:	33%	PO Balance:	\$199,217.29
Design % Complete:	100%	Paid to Date:	\$25,144.71
Construction % Complete:	3%	Balance:	\$8,700.00
Updated:	6/30/2022		
Managed By:	Montie Breeden		
Substantial Completion:	8/19/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

RTU Upgrades-Woodbrook & Stony Point

Project Scope

The replacement of existing variable air volume split system rooftop HVAC units with packaged units with Energy Recovery Wheels, including new electrical and controls, at Woodbrook, Stony Point and Brownsville schools.

Project Update

Staff continues to track the shipping of the roof top units (RTU) for both schools by July 22nd. The Contractor, Old Dominion Mechanical, and Staff anticipate work can occur during the summer of 2022; however, there continues to be supply chain and shipping issues with mechanical equipment manufacturers which could delay the project.

Current Phase:	Construction	Budget:	\$375,184.95
% Complete:	35%	PO Balance:	\$357,319.00
Design % Complete:	100%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$17,865.95
Updated:	7/8/2022		
Managed By:	Tyler Gifford		
Substantial Completion:	8/23/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

Tech Lab HVAC - Henley and Journey

Project Scope

The goal of this project is to provide design and construction services for the replacement of existing HVAC units in Henley Middle School's and Journey Middle School's Tech Labs. The existing units in these spaces have reached the end of their useful lifespan. A 10-ton unit at each school will be replaced with two 5-ton units, giving greater flexibility and energy efficiency in terms of heating and cooling within the existing Tech Labs.

Project Update

Demolition of existing HVAC equipment and designated sections of ductwork is complete at both schools. The first construction meeting was conducted on 06-28-22. The contractor is currently collecting all the new equipment and materials at their warehouse and when everything is in hand they will then deliver them to the 2 jobsites. In early-July '22 crews are scheduled to begin the electrical and mechanical rough-work associated with the new HVAC systems. Installation of heat pumps and new air handlers is scheduled for late-July '22. Substantial Completion is scheduled for 08-05-22.



Current Phase:	Construction	Budget:	\$356,377.00
% Complete:	38%	PO Balance:	\$320,667.00
Design % Complete:	100%	Paid to Date:	\$21,710.00
Construction % Complete:	20%	Balance:	\$14,000.00
Updated:	7/8/2022		
Managed By:	Montie Breeden		
Substantial Completion:	8/5/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

WAHS Softball Restrooms/ADA

Project Scope

This project provides: 1) toilet, concession, and press-box facilities for the girls' softball program and 2) an ADA ramps between the school building and the paved driving range.

Project Update

At the field house, all work has been completed on the punch list. At the ADA ramp, all work has been completed except for the installation of the handrails. Submittal preparation was finalized on 06-30-22 and delivered to the A/E for review. Delivery / Installation of the handrails and the date of Substantial Completion of the ramp is T.B.D.



Current Phase:	Construction	Budget:	\$829,000.00
% Complete:	95%	PO Balance:	\$404,205.26
Design % Complete:	100%	Paid to Date:	\$403,165.77
Construction % Complete:	92%	Balance:	\$21,628.97
Updated:	6/30/2022		
Managed By:	Montie Breeden		
Substantial Completion:	8/5/2022		

Capital Projects Report - Facilities and Environmental Services

Schools

Walton Domestic Water Supply Replacement

Project Scope

Replace the existing private water works system, which has reached the end of its useful life, with a new one.

Project Update

Pipe for the new waterline has been delivered to the jobsite. The construction schedule has been finalized. The date of Substantial Completion has been extended from 08-09-22 to 10-01-22 due to the long lead time on the new water tank. Construction will commence in early-July '22 on the installation of the exterior pipe-run, on the east and north sides of the building, and on the interior electrical rough-in of the water-treatment system.



Current Phase: Construction

% Complete: 53%

Design % Complete: 100%

Construction % Complete: 5%

Updated: 6/29/2022

Managed By: Montie Breeden

Substantial Completion: 10/1/2022

Budget: \$713,562.00

PO Balance: \$587,325.50

Paid to Date: \$86,336.50

Balance: \$39,900.00

Capital Projects Report - Facilities and Environmental Services

Transportation

Berkmar Bike Ped Improvements

Project Scope

This project will support pedestrian and bicyclist safety by constructing an approximately 1.1 mile long Shared-use Path from the Berkmar Drive/Rio Road West intersection to Hilton Heights Road and connect to the Shared-Use Path extending northward from the Berkmar Drive-Hilton Heights Road roundabout. Segment 1 is from Rio Road West to the commercial entrance behind Kroger at Rio Hill. Segment 2 starts at the commercial entrance behind Kroger at Rio Hill and continues to the round-about at Hilton Heights Road.

Project Update

Design Engineer (AMT) provided a draft Design Waiver Request package to County Staff for review and comment. Upon approval, this package will be submitted to VDOT for analysis. Results of the VDOT review process will determine the 30% design shared use path routing for segment 2. An engineer's opinion of probable cost will be provided by the design engineer based on the shared use path routing.



Current Phase:	Design	Budget:	\$2,890,026.00
% Complete:	2%	PO Balance:	\$318,499.23
Design % Complete:	10%	Paid to Date:	\$154,819.23
Construction % Complete:	0%	Balance:	\$2,416,707.54
Updated:	7/7/2022		
Managed By:	Mike Stumbaugh		
Substantial Completion:	8/13/2025		

Capital Projects Report - Facilities and Environmental Services

Transportation

Sidewalk - Commonwealth/Dominion

Project Scope

Design and construct approximately 6,450 feet of sidewalk on Commonwealth Drive from Hydraulic Road to Peyton Drive (east side); Commonwealth Drive from Commonwealth Circle to Dominion Drive (both sides); and along Dominion Drive from Commonwealth Drive to US 29 (both sides). Funded through the Revenue Sharing and Transportation Alternatives Programs grant applications administered by Virginia Department of Transportation (VDOT). Initial planning including VDOT related submissions represent a large portion of the up-front work. There are approximately 100 easements or temporary easements required for this project.



Project Update

Meeting with the design engineer was held on 6/30/22 to confirm the revised scope. With the scope finalized, the design engineer is finishing the documents to be submitted to VDOT at the end of July.

The project is still on track to meet the previously noted deadlines:

* Preliminary Design Phase (60%) Submission - September 2022

* Formal Public Engagement Meeting - December 2022

Current Phase:	Design	Budget:	\$3,336,224.00
% Complete:	15%	PO Balance:	\$326,360.07
Design % Complete:	25%	Paid to Date:	\$174,279.09
Construction % Complete:	0%	Balance:	\$2,835,584.84
Updated:	7/6/2022		
Managed By:	Taygra Longstaff		
Substantial Completion:	2/10/2025		

Capital Projects Report - Facilities and Environmental Services

Transportation

Sidewalk - Ivy Road

Project Scope

This VDOT Revenue Sharing project supports pedestrian safety by providing sidewalk along Ivy Road from the existing sidewalk at the Charlottesville City limits to Stillfried Lane with a potential future extension along the University of Virginia property to the Route 29/250 Bypass interchange. The project includes crosswalks and pedestrian signals at the Old Ivy Road (railroad underpass) and Ivy Road intersection; bike lane facilities, curb & gutter, storm drainage system improvements; and consideration for possible street trees and pedestrian lighting. Complicated right-of-way acquisitions are a challenge on this project.



Project Update

All utility conflicts have been resolved. Contractor has begun installing the new curb and sidewalk in front of the Sentara building. They have also installed the new stormwater structure and piping near Colonnade Drive. Due the July 4th holiday, limited progress has been made this week. Over the next two weeks, the contractor will complete the sidewalk and begin to lower the funeral home entrance asphalt to become ADA compliant.

Current Phase:	Construction	Budget:	\$3,078,000.00
% Complete:	65%	PO Balance:	\$1,186,656.34
Design % Complete:	100%	Paid to Date:	\$1,748,013.00
Construction % Complete:	67%	Balance:	\$143,330.66
Updated:	7/1/2022		
Managed By:	Walter Harris		
Substantial Completion:	8/30/2022		

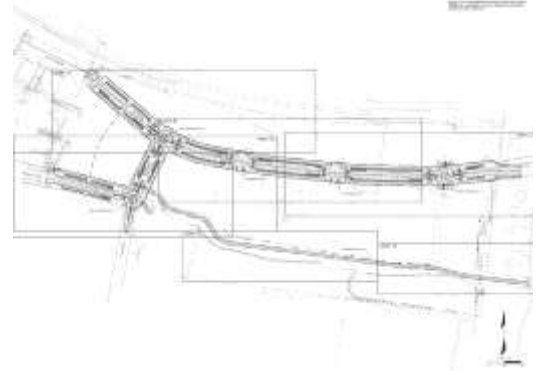
Capital Projects Report - Facilities and Environmental Services

Transportation

Sidewalk - Library Avenue

Project Scope

This project will extend Library Avenue eastward through the Barnes Lumber property to connect to High Street and then to Hilltop Street in Parkside Village as well as a connection to The Square. This is being proposed as a public private partnership with the developer of the Barnes Lumber property.



Project Update

65% complete drawings were submitted to the Albemarle County Service Authority for review. After review by ACSA, the plans will be forwarded to VDOT for review. Staff anticipate comments from VDOT that will need to be addressed and once addressed and approved, the right-of-way phase can begin.

Current Phase:	Design	Budget:	\$0.00
% Complete:	10%	PO Balance:	\$0.00
Design % Complete:	65%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$0.00
Updated:	7/6/2022		
Managed By:	Blake Abplanalp		
Substantial Completion:	5/14/2024		

Capital Projects Report - Facilities and Environmental Services

Transportation

Sidewalk - Old Lynchburg Road Sidewalk Improvements

Project Scope

The initial focus of this project is to perform preliminary design of a safe pedestrian connection along Old Lynchburg Road, connecting the sidewalk networks of the City of Charlottesville and County of Albemarle. The design includes new sidewalk beneath the Interstate 64 overpass.

Project Update

Design Engineer (Line + Grade) and Staff presented three alternative pathway options to internal Staff, representatives from the City of Charlottesville, and VDOT. The recommended alternative was sent to these representatives for review and comment. The recommended alternative was selected by this team. The alternative has two mid-block crossings. A change order is in process for the Design Engineer to produce a Pedestrian Crossing Accommodation Study for each mid-block crossing. With that information, the Design Engineer will provide a 30% design for the selected alternative. A review meeting with County Staff has been set for 7/28/22.



Current Phase:	Design	Budget:	\$75,000.00
% Complete:	2%	PO Balance:	\$33,301.66
Design % Complete:	20%	Paid to Date:	\$29,258.34
Construction % Complete:	0%	Balance:	\$12,440.00
Updated:	7/7/2022		
Managed By:	Mike Stumbaugh		
Substantial Completion:	8/30/2022		

Capital Projects Report - Facilities and Environmental Services

Transportation

Sidewalk - Rio Road, Avon Street & Rt. 250 West-Crozet

Project Scope

VDOT Revenue Sharing project supports pedestrian safety by providing sidewalk improvements along Rio Road, Avon Street, and US 250 West (Rockfish Gap Turnpike). The Rio Road Sidewalk Improvement project will connect the Stonehenge residential neighborhood to the John Warner Parkway and Rio Road sidewalk system. The Avon Street Walkway/Crosswalks Improvement project will provide sidewalks on the east side from Swan Lake Drive to Mill Creek Drive and then to Cale Elementary School and on the west side from Stoney Creek Drive to Arden Drive. The US 250 West-Crozet project will consist of the construction of sidewalk and crosswalks from Cory Farms to the Cloverlawn commercial area and Blue Ridge Shopping Center.



Project Update

The Rio Road section is nearing completion. Final punchlist items for the traffic signal at Rio and Pen Park Roads is scheduled for 7/8/22. SL Williamson completed the asphalt path near the Dunlora Drive entrance on 7/1/22.

The Rt. 250 Rockfish Gap Road portion of the project has seen almost all concrete sidewalk and asphalt pathway completed. The at-grade pedestrian crossing refuge island concrete work is complete. The pedestrian refuge island flashing beacons are scheduled to be installed on 7/8/22. Final pavement and pavement markings are scheduled for the week of 7/11/22.

The Avon Street portion of the project has begun at the southern terminus of Avon Street Extended. There will be a significant amount of activity on Avon Street in July and August, inclusive of relocating Albemarle County Service Authority (ACSA) water lines and installation of storm water piping and structures.

Current Phase:	Construction	Budget:	\$5,005,208.72
% Complete:	90%	PO Balance:	\$2,351,578.80
Design % Complete:	100%	Paid to Date:	\$2,419,308.18
Construction % Complete:	75%	Balance:	\$234,321.74
Updated:	7/7/2022		
Managed By:	Mike Stumbaugh		
Substantial Completion:	9/15/2022		

Capital Projects Report - Facilities and Environmental Services

Water Resources

Mint Springs Dam Improvements

Project Scope

The County owns and operates two State-regulated, earthen dams (Upper and Middle) at Mint Springs Valley Park. The dams lie in series, with the Middle dam lying immediately downstream of the Upper dam. This project is to provide spillway enhancements and other associated improvements to both dams which were recently determined to have a high-hazard potential and insufficient capacity.

Project Update

Staff is in the process of price negotiations with the top vendor. Cost proposals are due on 7/8/22. Anticipate having executed contract by end on July.

Current Phase:	Initiation	Budget:	\$300,000.00
% Complete:	5%	PO Balance:	
Design % Complete:	10%	Paid to Date:	
Construction % Complete:	0%	Balance:	\$300,000.00
Updated:	7/1/2022		
Managed By:	Walter Harris		
Substantial Completion:			

Capital Projects Report - Facilities and Environmental Services

Water Resources

Woodbrook Lagoon Maintenance and Repairs

Project Scope

Monitoring of lagoon via the use of stream gauges, barometer and rain gauge, for several months, to inform the design for corrective measures to address: 1) berm failure, 2) wetland inflow, 3) stream bypass, 4) access road, and 5) outfall. Upon completion of design scope of work the County will contract, via task order, with one of its hourly site contractors to implement the corrections.

Project Update

Monitoring has completed.

Internal data review is scheduled for 7/7/22 to discuss the monitoring outcomes with the engineer and determine next steps in the design process.



Current Phase: Design

% Complete: 42%

Design % Complete: 50%

Construction % Complete: 0%

Updated: 7/6/2022

Managed By: Taygra Longstaff

Substantial Completion: 11/29/2022

Budget: \$183,107.00

PO Balance: \$73,107.00

Paid to Date: \$0.00

Balance: \$110,000.00