

# FES Quarterly Report – Spring 2023

Facilities & Environmental Services Department, Albemarle County



## Top of the News

### Northfield Drainage Control Project

FES has just wrapped up a capital improvement project to address the cause of a large sinkhole that formed on the boundary between two residential properties in the Northfield subdivision.

Sinkholes typically form over deteriorating underground drainage infrastructure (pipes and manholes) when soil is able to infiltrate the infrastructure through a breach, such as a gap between pipe segments or a hole caused by corrosion. Although the infiltration of soil may occur slowly, a cavity may form over time and then suddenly and dramatically collapse.



FES staff were contacted by neighboring homeowners when the Northfield sinkhole appeared. It initially appeared as a small depression and later collapsed into what is shown in the adjacent photo. Preliminary research indicated that a culvert lying beneath the sinkhole was installed when Northfield Road was constructed in the 1960s to allow a small creek to cross beneath the new road. A realignment of the road a decade later required the culvert to be extended, resulting in an exceptionally long (235 feet) culvert. Staff discovered smaller sinkholes in the vicinity of the upstream headwall and noted that stormwater did not enter the pipe but disappeared into the bed of the creek just upstream of the headwall.

Because of the age of this infrastructure, the pipes did not lie within public easements. Therefore, staff obtained right-of-entry agreements from the homeowners to assess the situation and to be prepared for action if the conditions quickly worsened. Following multiple site visits and video assessments by contractors, staff determined that the culvert – a

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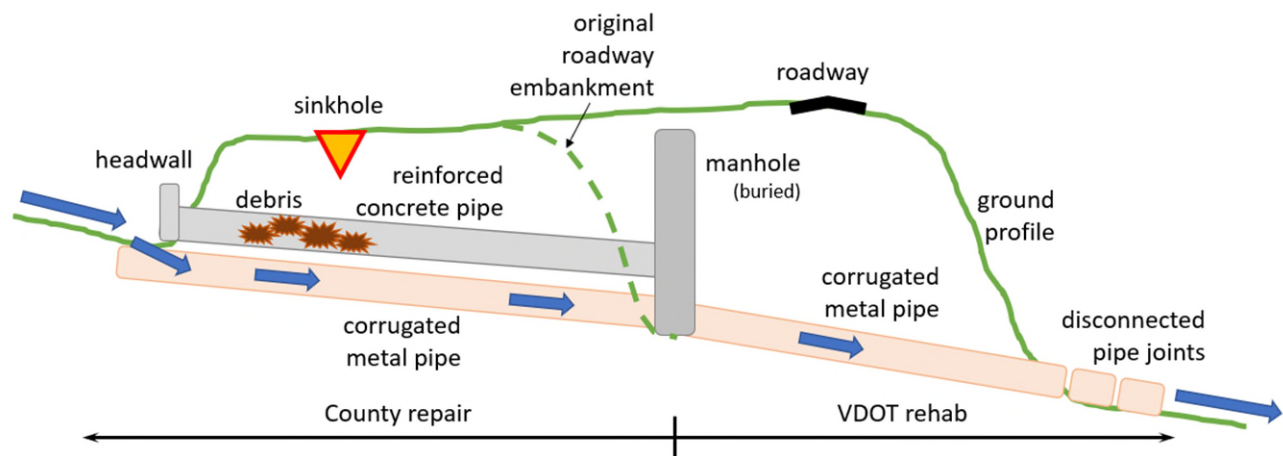
- By type
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### Capital Projects Report

Detailed capital projects scope and updates

reinforced concrete pipe (RCP) – was too clogged to allow a full internal inspection. Staff discovered that a manhole – hidden under soil and grass – was located part of the way along the pipe and that there was an older corrugated metal pipe (CMP) lying beneath and parallel to the clogged RCP. Due to the complexity of the system, staff hired an engineering consultant to fully assess the system and develop a repair plan.

When the roadway was realigned to its current location, the CMP beneath the original roadway was left in place and the RCP was installed above the CMP. In addition, a CMP was installed under the new roadway location, with a manhole connecting the three pipes as shown in the diagram on the next page. Staff concluded that over time the RCP became severely clogged due to lack of maintenance, the original CMP became increasingly corroded and began collapsing in places, and as a result of decreased flow capacity of the system, the upstream end of the CMP became completely buried under accumulated sediment.



Ultimately, a team of County staff and the engineering contractor decided that the soundest solution was to excavate and remove both pipes upstream of the manhole and reinstall new pipe. An attempt was made to save and reuse the existing RCP, but the old concrete was too brittle and broke apart during removal (see image of broken and clogged pipe below).

The construction contractor began mobilizing on March 21 and reached substantial completion of the project on April 28. The adjacent homeowners were grateful that the infrastructure was repaired by the County, were extremely cooperative and understanding during the process, and were quite cordial given the temporary mess necessitated by the project.

Permanent drainage easements were obtained from the adjacent homeowners and the owners of a vacant parcel on the downstream side of the road. VDOT intends to soon make repairs to the portion of the pipe system downstream of the manhole and beneath Northfield Road – likely through a lining process.

This drainage improvement project reinforced several lessons:

- past investments in infrastructure must be complemented with continued investments in maintenance and repairs
- after a certain point of deterioration, repairs become much more expensive – particularly for infrastructure that is deep underground
- corrugated metal pipes will eventually corrode and fail; these pipes will need to be either lined or replaced





- many pipes remain clear over their life, but assessments and maintenance are needed to identify and address where clogging does occur

## Street Sweeper Hits the Road

For those who have not noticed the large truck parked behind COB McIntire, after a long wait, sweeping streets in the County of Albemarle has started! Delivery of the County's Street sweeper has been delayed until the June timeframe, but we rented one to get the program off the ground.

This first weeks' work focused on roads around Pantops Mountain, John Warner Parkway, Rio Road, Hydraulic Road, Georgetown Road, and Barracks Road. We plan to continue cleaning the high-volume traffic streets in the County around Charlottesville in the coming weeks. As the streets get cleaner and we get more proficient with the sweeper, our experiences will inform the development of standard, predictable routes within the development areas.



Before



After

## Capital Project Updates

### Biscuit Run Park Phase 1a Trailhead and Entrance

Phase 1a of the 1,200-acre Biscuit Run Park project is scheduled to begin this year. This phase involves constructing a new park entrance off Route 20, a paved parking lot, a trailhead, and a restroom facility. Because construction and land clearing activities may adversely affect wildlife either residing in or migrating through a project site, our team strives to balance development needs with environmental regulations and sensitivities. Enter the **Northern Long Eared Bat**.

In late fall of 2022, the United States Fish and Wildlife Service (USFWS) announced that the Northern Long Eared Bat was being up-listed from *threatened* to *endangered* species status. White-nose syndrome, a fungal disease known to affect bats, is currently the predominant threat to this species. Throughout the northeast U.S., this bat species population has declined by as much as 99 percent at many hibernation sites. Northern Long Ear Bats return each spring to roost in wooded areas, giving birth from May to June and allowing them to raise their pups high above the forest floor. The site currently designated for the Phase 1a project is located within the potential summertime roosting habitat range



for the bat. Restrictions were put in place on April 1, 2023, which prohibited tree clearing activities from April 1 through November 14.

To execute work outside the tree removal restriction timeframe, County staff and the Design Team, with assistance from our Community Development Department, expedited design review and Water Protection Ordinance plans revisions. The project received permit approval at the beginning of March, allowing for tree clearing operations to occur prior to the restrictions going into effect. This accelerated schedule allowed the County to avoid potential impacts to the endangered bat species and decreased the possibility of a delay to the park opening.

Thanks to the hard work and unrelenting effort of our staff, the design team, the Community Development Department, and our contractors, the work to clear the site was completed four days ahead of the March 31 deadline, allowing us to maintain important milestones in the project schedule.



## Public Safety Operations Center

Work is now underway on the new Public Safety Operations Center located in the former J.C. Penney building at Fashion Square Mall.

In February, Semco Inc. completed asbestos abatement and light demolition work at the facility that will be shared by Albemarle County Police and Fire Rescue for their mission-critical operational activities. This site provides a central and accessible location within the County and will relieve a long-standing need for additional maintenance and office space that can no longer be provided at the County's 5th Street office building.

Favorable bids for the major construction associated with this project were received on March 17th. A contract is being finalized and will be awarded to Marion Enterprises of Barboursville, Virginia. Under the watchful eye of FP&C Project Manager Scott Reuschling, construction is expected to begin in early-to-mid May and be substantially complete in September of this year.

## Courts Complex

There are two major milestone pertaining to the Courts Complex project. This project includes construction of the new Albemarle-Charlottesville General District Court and renovation of the Levy Opera House for future use by the County's Commonwealth Attorney offices.

The first is that staff have completed final negotiations and are ready to issue a Notice to Proceed to Grunley Construction. This is a significant milestone and construction mobilization is expected to begin in mid-to-late May.





The second announcement is that the County was able to provide additional time to Rivanna Archaeological Services (RAS) to continue their archaeological survey that has been underway over the last 3 months.

As part of their effort to document site features, RAS invited a 3D scanning specialist from UVA to scan the archaeological features they have been excavating. If you [click this link](#), you will be taken to a site where you can see the scan of the brick and stone well from the site. You can manipulate the image to make it larger and spin it around from all perspectives.

The archaeological work, now complete, identified nearly ten thousand artifacts, most of which have yet to be cleaned or catalogued. A final report detailing the findings will be provided by the end of the year.



## Lambs Lane Loop Road

On March 28<sup>th</sup>, staff executed a contract with Timmons Group to perform an alternatives analysis and prepare conceptual plans for the Lambs Lane Loop Road and Hydraulic Road corridor around and near Albemarle High School. This work will support a Virginia Department of Transportation (VDOT) Revenue Sharing project application that will be submitted by Community Development's transportation planning team.

Timmons is tasked with developing four alignment alternative exhibits to connect Lambs Lane to Hydraulic Road, through the Albemarle High School campus between the Boys & Girls Club site, and through the football/baseball fields. The alternatives will be reviewed for impacts to environmental, utility, and right-of-way elements. The alternatives will also include a detailed assessment of review of potential costs for grading, demolition, and overall construction. The consultant is also charged with developing a traffic and safety analysis of Hydraulic Road to assist with future improvements around the school campus.



Preliminary Revenue Sharing applications are due to VDOT by the end of June 2023, and the final applications are due by the end of September 2023.

This project is a great example of teams working together, with Community Development, Facilities & Environmental Services, Albemarle County Public School's Building Services and Transportation departments all providing input on this project.

# FES News

## Fleet Update

In keeping with the Climate Action Plan, FES Facilities and Operations is working to reduce local government carbon emissions. The most recent action has been to purchase two new Chevy Bolt EUV's. One will replace an older vehicle used by the FES Environmental Services Division and the other will be used by the Department of Social Services.

The Bolt EUV is an affordable, fully electric vehicle with a range of approximately 247 miles between charges. The Bolts will have lower fuel costs, lower maintenance costs, and most importantly, they replaced two gas powered vehicles, avoiding approximately 7.9 metric tons of carbon emissions per year compared to comparably sized gasoline powered vehicles.



## New Employees

### Climate Protection Project Manager

The County welcomes Jamie Powers as the Climate Protection Project Manager, as we grow our Climate Program. We're excited to increase our capacity to implement the Climate Action Plan.



Jamie comes to the County with a rich set of experiences over more than two decades, including starting as a professional musician, serving in the US Army and later National Ground Intelligence Center (NGIC), and most recently working with agricultural producers on environmental stewardship and climate-smart farming practices. His varied background has given him a unique perspective on the systems change needed for effective climate action. We asked Jamie to share with us a bit about how he hopes to approach working at the County.

**FES:** What is one of the most important throughlines of your career that you are bringing to Albemarle County's Climate Protection work?

**Jamie:** Working with all sorts of people to tackle complex problems and achieve common goals has been a key theme of my career, and I'm excited to build on this here at the County. For example, my time in the US Army helped me develop understanding and practices around how elite teams function, the importance of cultural context in achieving goals, and how to engage community members in creative ways. My time at NGIC built on that through exploring the importance of networks and structure in how organizations and communities function. And working with agricultural producers across the country on the industry's contribution to national climate policy taught me a lot about the strengths and concerns of rural communities. A unifying factor across all of those experiences has been to work effectively with people, regardless of where they come from, what they believe, how they make their money, and how they are different from me. And that is ultimately the work of the Climate Protection Program: Bringing lots of different people together to work toward connected and integrated goals.

**FES:** What excites you about being a member of Albemarle County's Climate Protection Program?

**Jamie:** Climate change mitigation and adaptation are central issues for all communities, now and over the coming decades. As a resident of the County for several years, I have seen the extent to which we are leaning forward on climate action. Not only is it exciting to be part of the work generally, but also because this is one of very few rural counties across the country that are doing serious work to combat climate disruption. That is a source of pride as a resident and a County employee. Furthermore, I am excited about the potential for Albemarle County to demonstrate its leadership among rural counties and blaze a path that others can follow in their own ways. We are going to need lots of communities to show up for climate action if we are to create a better future.

## Water Resource Program Manager



Albemarle County welcomes Brian Hermsmeier as the Water Resources Program Manager. This is a new position that oversees programs to maintain and improve water resource infrastructure. Brian started working with the County in the beginning of February and looks forward to making the Charlottesville area home for his family.

Brian has a bachelor's degree in landscape architecture from Virginia Tech, in Blacksburg, Virginia where he was born and raised. Brian's professional background consists of a variety of experiences including landscape design, civil engineering, stormwater management, transportation design, and land development planning. We asked Brian a couple of questions to expand on how his experiences have equipped him to advance the goals and

objectives of this organization.

### **FES: Why should stormwater management be important to the public?**

Brian: The rain falls indiscriminately on all of us, it flows downhill, from rooftops, and down our neighborhood streets; it collects in ditches, storm sewers, streams, and rivers. We are all impacted by stormwater, some of us more than others. It is sometimes described as a "common enemy," and for those that have experienced the damaging force of floodwaters and storm surges, it can certainly seem like an enemy. But when stormwater programs are supported by the public, infrastructure and proper design can be put in place and maintained to manage stormwater and minimize potential property damage.

### **FES: You are not a native of Albemarle County, so what made you want to pursue a position here?**

Brian: I have worked with over a dozen different local governments throughout central and northern Virginia as a land development / civil engineering consultant, and each locality has its own kind of personality. Some are opposed to any and all growth or development, and the process can be overburdensome. Some are solely focused on growing at all costs, and important environmental protections can be overlooked. I believe Albemarle is a community that truly embodies the values of its residents. There is an intentional effort to strive for, and maintain, a high quality of life here. That quality of life does not just demand "more," but an experience that is enjoyable. We cannot enjoy the environment we live in when it is unhealthy, abused, and mismanaged. It is my pleasure to work with a local government that is nestled in a community that loves where they live and work.

## Roadway Maintenance Coordinator



Daniel Yowell started on March 2<sup>nd</sup> as the Roadway Maintenance Coordinator with FES Public Works. He brings a wealth of knowledge and experience to the team from over 20 years with the Virginia Department of Transportation (VDOT) and the City of Warrington Utilities Department.

Daniel enjoys camping with his family and Black Lab/Carolina Plot Hound Mix. His favorite local camping spot is Sun Retreats Shenandoah, with a personal favorite travel camp area in the Smokies of Tennessee (Sevierville, Pigeon Forge, and Gatlinburg). In his spare time, he enjoys woodworking and checking out local car shows. He also enjoys lounging with his hound while catching up on the latest Star Wars or Marvel Universe series.



### Street Sweeper Operator



Nick Kirby started on March 13<sup>th</sup> as the Street Sweeper Operator with FES Public Works. He brings with him many years of heavy equipment and truck driving experience. In his free time, he is also a volunteer firefighter with the Scottsville Volunteer Fire Department. We thank him for his service.

In his own words: “The street sweeping is going well. There is a learning curve, but we are working through it as a group. Big thanks to Daniel and Cai for the leg work on paperwork. I’ll continue to arrive early and sweep the streets, making Albemarle beautiful one street at a time.”

### Senior Project Manager



Albemarle County would like to welcome Audrey Storm as a new Senior Project Manager with Facilities Planning & Construction. Audrey started working with the County on March 13<sup>th</sup> and has already had a positive impact on our team. She brings a wealth of knowledge and experience.

Audrey has a Bachelor of Science in Civil & Environmental Engineering degree from Cornell University. Audrey came to the County from a local contracting firm where she served as Vice-President, Senior PM, and Estimator during her almost 12 years there. Prior to that Audrey served our community as the Director of Construction Services for Habitat for Humanity of Greater Charlottesville for nearly 5 years. In 2011, Audrey was a recipient of the Charlottesville Woman Magazine’s Inaugural Charlottesville Women “4 Under 40” award. It is an award honoring women who lead by innovating and serving both at work and around the community. She also received the 2010 EarthCraft Virginia HFH Affiliate award. EarthCraft’s (now Viridiant) mission is to help professionals design and construct healthy, comfortable buildings and communities that minimize negative environmental impacts.

Audrey and her family reside in Charlottesville, and she is very active as part of the Boy Scouts of America local leadership team, and as a Cubmaster for a local Cub Scout Pack. She also has an impressive list of local community and local business memberships and affiliations.

### Lead Custodian



Rachel Flanary joined our team as Lead Custodian on February 13<sup>th</sup>. Rachel has a great deal of custodial experience that she brings to the County, and we are lucky to have her on our team. Rachel immediately displayed a strong work ethic and a mindset to improve services and our efficiency at delivering them. One of Rachel’s assigned tasks is to collaborate with our custodial contractor to make sure that they are maintaining the high-quality standards we strive to provide for County staff as well as the public every day.

Rachel grew up on a farm in Southwest Virginia, has three cats and loves animals. Rachel’s hobbies include reading and watching tv.



# Summary - Active Capital Projects

Wednesday, May 3, 2023

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## Local Government

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
5th St Trailhead Park	Scottsville	Design	4%	\$86,108
ACPD COB5 Cubicle Upfits	Scottsville	Contractor Bid	40%	\$130,000
Biscuit Run Park Phase 1a-Entrance & Parking	Scottsville	Design	47%	\$4,621,755
Biscuit Run Phase 1b-Bridges & Boardwalk	Scottsville	Design	2%	\$110,700
Biscuit Run Phase 1b-Greenway Connector	Scottsville	Design	4%	\$95,800
Biscuit Run Phase 1b-Maintenance Bldg.	Scottsville	Design	5%	\$187,380
Byrom Park Electric and Water Upgrade	White Hall	Design	5%	\$73,000
COB 5th Roof Replacement	Scottsville	Closeout	99%	\$1,937,441
COB Basement Elevator Lift	NA	Construction	35%	\$122,000
COB5 Voter Registration Upfit	Scottsville	Contractor Bid	20%	\$45,000
Courts Complex Addition & Renovation	NA	Design	30%	\$49,493,225
Darden Towe New Restroom-Pickleball Cts	Rivanna	Design	40%	\$280,480
DSS Gender Inclusive Bathroom	Scottsville	Construction	50%	\$80,568
DSS Space Programming & Concept Design	Samuel Miller	Design	15%	\$19,160
Ivy Creek Natural Area Historic Preservation Study	Jack Jouett	Design	35%	\$132,000
Mechanical Systems Replacement Solutions	Multiple	Design	35%	\$2,733,184
NSL Electric & Hot Water Piping Review	Rio	Design	50%	\$20,000
Public Safety Operations Logistics Center	Rio	Contractor Bid	45%	\$3,100,000
Scottsville Community Ctr Building Upgrades	Scottsville	Design	41%	\$315,000
Southern Convenience Center	Samuel Miller	Construction	80%	\$1,650,000
Street Sweeper Storage Building	NA	Initiation	0%	\$0

Total: \$65,232,801

## NIFI

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
NIFI - Albemarle Jouett Greer SRTS	Jack Jouett	Closeout	99%	\$1,096,390
NIFI - The Square	White Hall	Design	20%	\$2,010,000

**NIFI**

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
			Total:	\$3,106,390

**Transportation**

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
Transportation - Barnes Lumber	White Hall	Design	30%	\$8,093,351
Transportation - Berkmar Bike Ped Improvements	Rio	Design	15%	\$2,890,026
Transportation - Commonwealth/Dominion	Jack Jouett	Design	50%	\$3,336,224
Transportation - Ivy Road	Multiple	Construction	95%	\$3,078,000
Transportation - Rio Road, Avon Street & Rt. 250 West-Crozet	Multiple	Construction	98%	\$5,005,209
			Total:	\$22,402,810

**Water Resources**

Project Name	Magisterial District	ProjectPhase	% Complete	Budget
Biscuit Run Stream Restoration-North Section	Scottsville	Design	10%	\$356,890
Mint Springs Dam Improvements	White Hall	Design	25%	\$300,000
Woodbrook Lagoon Maintenance and Repairs	Rivanna	Design	49%	\$183,107
			Total:	\$839,997
				\$91,581,998

# Summary - Active Capital Projects

Wednesday, May 3, 2023

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## Jack Jouett

Project Name	Project Type	ProjectPhase	% Complete	Budget
Ivy Creek Natural Area Historic Preservation Study	Local Government	Design	35%	\$132,000
NIFI - Albemarle Jouett Greer SRTS	NIFI	Closeout	99%	\$1,096,390
Transportation - Commonwealth/Dominion	Transportation	Design	50%	\$3,336,224
			Total:	\$4,564,614

## Rio

Project Name	Project Type	ProjectPhase	% Complete	Budget
NSL Electric & Hot Water Piping Review	Local Government	Design	50%	\$20,000
Public Safety Operations Logistics Center	Local Government	Contractor Bid	45%	\$3,100,000
Transportation - Berkmar Bike Ped Improvements	Transportation	Design	15%	\$2,890,026
			Total:	\$6,010,026

## Rivanna

Project Name	Project Type	ProjectPhase	% Complete	Budget
Darden Towe New Restroom-Pickleball Cts	Local Government	Design	40%	\$280,480
Woodbrook Lagoon Maintenance and Repairs	Water Resources	Design	49%	\$183,107
			Total:	\$463,587

## Samuel Miller

Project Name	Project Type	ProjectPhase	% Complete	Budget
DSS Space Programming & Concept Design	Local Government	Design	15%	\$19,160
Southern Convenience Center	Local Government	Construction	80%	\$1,650,000
			Total:	\$1,669,160



## Scottsville

Project Name	Project Type	ProjectPhase	% Complete	Budget
5th St Trailhead Park	Local Government	Design	4%	\$86,108
ACPD COB5 Cubicle Upfits	Local Government	Contractor Bid	40%	\$130,000
Biscuit Run Park Phase 1a-Entrance & Parking	Local Government	Design	47%	\$4,621,755
Biscuit Run Phase 1b-Bridges & Boardwalk	Local Government	Design	2%	\$110,700
Biscuit Run Phase 1b-Greenway Connector	Local Government	Design	4%	\$95,800
Biscuit Run Phase 1b-Maintenance Bldg.	Local Government	Design	5%	\$187,380
COB 5th Roof Replacement	Local Government	Closeout	99%	\$1,937,441
COB5 Voter Registration Upfit	Local Government	Contractor Bid	20%	\$45,000
DSS Gender Inclusive Bathroom	Local Government	Construction	50%	\$80,568
Scottsville Community Ctr Building Upgrades	Local Government	Design	41%	\$315,000
Biscuit Run Stream Restoration-North Section	Water Resources	Design	10%	\$356,890
Total:				\$7,966,642

## White Hall

Project Name	Project Type	ProjectPhase	% Complete	Budget
Byrom Park Electric and Water Upgrade	Local Government	Design	5%	\$73,000
NIFI - The Square	NIFI	Design	20%	\$2,010,000
Transportation - Barnes Lumber	Transportation	Design	30%	\$8,093,351
Mint Springs Dam Improvements	Water Resources	Design	25%	\$300,000
Total:				\$10,476,351

## Multiple

Project Name	Project Type	ProjectPhase	% Complete	Budget
Mechanical Systems Replacement Solutions	Local Government	Design	35%	\$2,733,184
Transportation - Ivy Road	Transportation	Construction	95%	\$3,078,000
Transportation - Rio Road, Avon Street & Rt. 250 West-Crozet	Transportation	Construction	98%	\$5,005,209
Total:				\$10,816,393

NA

Project Name	Project Type	ProjectPhase	% Complete	Budget
COB Basement Elevator Lift	Local Government	Construction	35%	\$122,000
Courts Complex Addition & Renovation	Local Government	Design	30%	\$49,493,225
Street Sweeper Storage Building	Local Government	Initiation	0%	\$0

Total: \$49,615,225

\$91,581,998

Capital Projects Report - Facilities and Environmental Services

Local Government

5th St Trailhead Park

Project Scope

Development of the proffered parcel at 5th Street Station (TMP #76M1-2A1) for public recreational use. This trail head park will serve as public arrival/entry point to 5th Street Trails Hub, Biscuit Run Connector Greenway, and Biscuit Run Park.

Project Update

Staff met with Parks & Recreation and the planner, LPDA, on April 4th to review design concepts. These design concepts will be presented to the public at a VDOT led 5th St. Trail Hub project public engagement meeting on May 3rd. Due to performing public engagement and coordination with both the 5th St. Station property owner and VDOT Smart Scale 5th St. Hub project, it is expected for the concept development to take nine months to complete. Staff anticipates not being able to start the full design until after we received the final design from VDOT on the smart scale project in February of 2025. If construction is funded then Staff anticipates not being able to start construction until after the VDOT Smart Scale project is completed in 2026.

Current Phase:	Design	Budget:	\$86,108.00
% Complete:	4%	PO Balance:	\$17,405.00
Design % Complete:	8%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$68,703.00
Updated:	4/19/2023	Contingency:	\$68,703.00
Managed By:	Tyler Gifford		
Substantial			
Completion Date:	11/30/2026		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### ACPD COB5 Cubicle Upfits

#### Project Scope

Uplift project for ACPD Detectives Cubicles at COB 5th street. The project would provide much needed privacy for the detective work between employees and department common spaces. Scope of work includes removal of existing cubicle systems for the installation of new systems that include doors and noise protection, and converting all double occupancy cubicles into single occupancy.

#### Project Update

Police requested complete replacement of existing cubicles with new ones. Both FP&C and ACPD staff solicited quotes from various vendors. Quotes for cubicles have been submitted and costs exceed funding. Staff are seeking options for additional funding while at the same time finalizing other, project-related costs. A Request for Quotes for carpet replacement was issued on 03-24-23. Quotes are due on 04-07-23. Police staff confirmed sound masking is a low priority so that work will not advance forward at this point in time. This is the prudent course of action as the specifics of that system must be "tuned" to the environment and it is best to have any new furnishings and carpet installed first. Once funding is resolved, contracts will be executed. Installation of new carpet and cubicles is anticipated by late-July '23.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$130,000.00
<b>% Complete:</b>	40%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	95%	<b>Paid to Date:</b>	\$0.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$130,000.00
<b>Updated:</b>	3/30/2023	<b>Contingency:</b>	\$130,000.00
<b>Managed By:</b>	Montie Breeden		
<b>Substantial Completion Date:</b>	7/31/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Biscuit Run Park Phase 1a-Entrance & Parking

#### 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

Tree clearing operations were completed on site prior to disturbance restrictions going into effect 4/1/23. The park design consultant submitted Final Site Plan and updated WPO plans for review by Community Development on 3/24/23. At the same time the road design consultant submitted the entrance road plans for VDOT and County review. The design team continues to work on the utility easement relocation as well as the joint permit application for any wetlands impacts on site. Staff anticipates construction of the parking lot and entry road to begin in early summer 2023 and to achieve substantial completion of the new park entrance in the fall of 2023.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$4,621,755.00
<b>% Complete:</b>	45%	<b>PO Balance:</b>	\$588,238.92
<b>Design % Complete:</b>	88%	<b>Paid to Date:</b>	\$624,577.56
<b>Construction % Complete:</b>	5%	<b>Balance:</b>	\$3,408,938.52
<b>Updated:</b>	4/3/2023	<b>Contingency:</b>	
<b>Managed By:</b>	Steve Hoffmann		
<b>Substantial Completion Date:</b>	11/21/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Biscuit Run Phase 1b-Bridges & Boardwalk

#### Project Scope

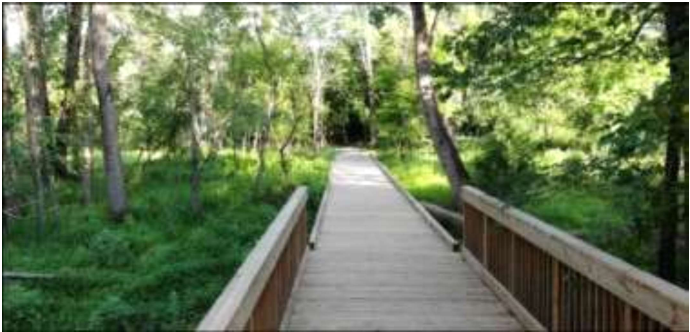
Design and construction of three bridges and approximately 300 ft of boardwalk within Biscuit Run Park to provide a complete trail system for public use and adjacent neighborhood connectivity.

#### Project Update

The design firm, Line+Grade, provided a preliminary concept and budgeting document for the boardwalks on Friday, March 31st. This full design and site plan permitting will continue to occur over the next six months. If construction is funded in FY24, then construction of the boardwalks are expected to begin in the fall of 2023 and be complete by the end of the calendar year.

It is anticipated only one of the three bridges can be constructed with the appropriated funding so ACPR is looking at grant opportunities for funding the other two bridges. Staff is starting the concept designs for all three bridges and anticipates design to occur over the next eight months. Construction for the one bridge will be solicited and constructed in calendar year 2024.

Current Phase:	Design	Budget:	\$110,700.00
% Complete:	2%	PO Balance:	\$20,000.00
Design % Complete:	5%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$90,700.00
Updated:	4/19/2023	Contingency:	\$90,700.00
Managed By:	Tyler Gifford		
Substantial Completion Date:	11/1/2024		





# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Biscuit Run Phase 1b-Greenway Connector

#### Project Scope

Design and construction of a 2.3 mile Biscuit Run Connector Greenway Trail from 5th Street Station to the Main Loop Trail in Biscuit Run Park. This Greenway will also provide trail access with adjacent neighborhoods to the 5th St. trail system.

#### Project Update

The design firm, LPDA, provided the first design deliverable with the opportunities and constraints mapping. LPDA is continuing to develop presentations to begin public engagement of the proposed trail during the VDOT 5th St. Trail Hub meeting on May 3rd. The concept design and negotiations for required easements are expected to take nine months. Once easement agreements are executed, then design and site plan approval are expected to take another six months. If the required easements can be obtained and the construction funding is appropriated, the project is expected to start construction in FY25.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$95,800.00
<b>% Complete:</b>	4%	<b>PO Balance:</b>	\$17,653.40
<b>Design % Complete:</b>	8%	<b>Paid to Date:</b>	\$1,908.60
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$76,238.00
<b>Updated:</b>	4/19/2023	<b>Contingency:</b>	\$76,238.00
<b>Managed By:</b>	Tyler Gifford		
<b>Substantial</b>			
<b>Completion Date:</b>	5/30/2026		

# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Biscuit Run Phase 1b-Maintenance Bldg.

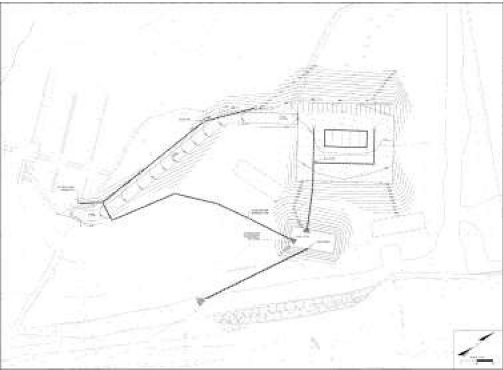
#### Project Scope

The Biscuit Run Phase 1b-Maintenance Building project will consist of the Study, Design and construction of a Maintenance Facility for Albemarle County's Biscuit Run Park. FP&C will work with a design consultant to provide architectural and site planning design services to investigate feasibility, schedule and total project costs for a Maintenance Building at Biscuit Run Park. Design work will continue into bidding and Construction of the facility.

#### Project Update

Staff worked with the design consultant to Value Engineer aspects of the desired scope to bring the construction estimate into alignment with the project budget. Staff has requested a proposal from the design consultant for full architectural and site planning design services. Design is expected to take 7 months followed by 6 months of construction with substantial completion of the new maintenance facility early summer 2024.

Current Phase:	Design	Budget:	\$187,380.00
% Complete:	3%	PO Balance:	\$10,720.00
Design % Complete:	5%	Paid to Date:	
Construction % Complete:	0%	Balance:	\$176,660.00
Updated:	4/3/2023	Contingency:	\$176,660.00
Managed By:	Steve Hoffmann		
Substantial			
Completion Date:	7/3/2024		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Byrom Park Electric and Water Upgrade

#### Project Scope

Byrom Park project objective is to provide a new power service from Central Virginia Electric Cooperative (CVEC), installation of a new non-potable water well and installation of an electric gate to the entrance to the park.

#### Project Update

Staff have received quotes from Central Virginia Electric Cooperative (CVEC) for boring under the road and installing wire to park from the pole to the parking area. Staff is preparing an RFQ for an approved list of contractors from CVEC on trenching from Blackwells Hollow Road to the upper lot to a power pole. ACPR is working to secure potential easements for the new power system. Staff is communicating with the Health Department on the location of the well and what permits will be needed. Staff is working on easement with adjoining property owner to begin work. It is anticipated the electric and well will be installed by June 2023.

Current Phase:	Design	Budget:	\$73,000.00
% Complete:	5%	PO Balance:	\$0.00
Design % Complete:	45%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$73,000.00
Updated:	4/14/2023	Contingency:	\$7,000.00
Managed By:	Scott Reuschling		
Substantial			
Completion Date:	5/31/2023		





## 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 entails 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

The contractor is 100% complete with installation of roof membrane, metal trim and lightning arrest system. All skylight and window installation was completed 3/31/23. In the coming week the design consultant will execute a Punch List walkthrough and this project is slated to be closed out before the end of April 2023.

<b>Current Phase:</b>	Construction	<b>Budget:</b>	\$1,937,441.00
<b>% Complete:</b>	98%	<b>PO Balance:</b>	\$307,919.65
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$1,585,195.95
<b>Construction % Complete:</b>	95%	<b>Balance:</b>	\$44,325.40
<b>Updated:</b>	4/3/2023	<b>Contingency:</b>	\$2,749.24
<b>Managed By:</b>	Steve Hoffmann		
<b>Substantial</b>			
<b>Completion Date:</b>	3/31/2023		



Capital Projects Report - Facilities and Environmental Services

Local Government

COB Basement Elevator Lift

**Project Scope**

The existing 50 year old lift at the basement has failed and needs to be rebuilt or replaced in order to continue providing maintenance to HVAC equipment.

**Project Update**

Production of the new lift has been verified by the manufacturer; production is estimated to take 3 months. The required electrical service for the lift is scheduled to start by the middle of April. Demolition of the old lift and installation of the new lift is estimated to take an additional three (3) weeks. Completion of the lift is scheduled for late July.

<b>Current Phase:</b>	Construction	<b>Budget:</b>	\$122,000.00
<b>% Complete:</b>	35%	<b>PO Balance:</b>	\$71,288.00
<b>Design % Complete:</b>	90%	<b>Paid to Date:</b>	\$41,000.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$9,712.00
<b>Updated:</b>	4/3/2023	<b>Contingency:</b>	\$9,712.00
<b>Managed By:</b>	Scott Reuschling		
<b>Substantial Completion Date:</b>	7/30/2023		

## Capital Projects Report - Facilities and Environmental Services

### Local Government

#### COB5 Voter Registration Upfit

##### Project Scope

Upfit to the Voter Registration at COB 5th Street. County staff is working on renovation of existing office space to add a conference room and additional work stations with limited interruption to adjacent spaces.

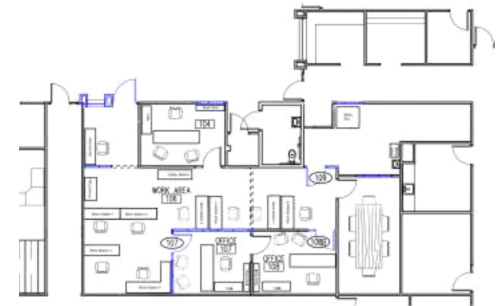
##### Project Update

County Staff has revised previous concept to minimize construction outside the existing office space. The new design relocates 15 square feet of lobby space inside the office allowing for the creation of a new transaction window similar in design to the adjacent HR department.

By relocating the service area and waiting space to the lobby, the Voter Registration Office gains use of approximately 325 square feet of space for staff use. Reconfiguration of the existing space will allow for the addition of a conference room, three additional workstations, improved circulation, and better defined secure storage.

The initial review with Voter Registration on April 5, 2023 was positive. Staff is finalizing plans and preparing an RFQ for solicitation this month with construction work to occur during summer 2023 and be completed prior to November election cycle.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$45,000.00
<b>% Complete:</b>	0%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	99%	<b>Paid to Date:</b>	\$0.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$45,000.00
<b>Updated:</b>	4/6/2023	<b>Contingency:</b>	\$0.00
<b>Managed By:</b>	Audrey Storm		
<b>Substantial Completion Date:</b>	9/29/2023		





# 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

The archaeological survey work is complete, pending the final report. On 3/10/23 the Contractor provided the guaranteed maximum price (GMP) for the General District Court along with a list of potential Value Engineering items for the project team to review. The project team has held several meetings to review the potential cost savings and are nearing a final decision on the accepted items. We anticipate issuing a Notice of Intent to Award by mid-April. After approval of the guaranteed maximum price (GMP) for the East Site, the design team will begin working on the construction documents for the West site.

Current Phase:	Design	Budget:	\$49,493,225.00
% Complete:	30%	PO Balance:	\$1,860,237.81
Design % Complete:	75%	Paid to Date:	\$3,902,488.60
Construction % Complete:	0%	Balance:	\$43,730,498.59
Updated:	4/3/2023	Contingency:	\$1,521,572.70
Managed By:	Walter Harris		
Substantial Completion Date:	4/30/2026		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Darden Towe New Restroom-Pickleball Cts

#### Project Scope

Design and construction of a new ADA-compliant toilet facility, that is gender-neutral, with integral covered shelter and adjacent parking; all near the existing tennis / pickleball courts.

#### Project Update

The A/E continues work on the preparation of the construction documents. A review set will be delivered to the Owner for review in mid-April '23. Bidding is anticipated to occur during the April '23 - May '23 timeframe. Staff submitted the Letter of Revision, of the proposed site work, on 03-15-23. Construction is anticipated to occur between early-Summer '23 with Final Completion by the end of the calendar year.

Current Phase:	Design	Budget:	\$280,480.23
% Complete:	40%	PO Balance:	\$86,414.50
Design % Complete:	75%	Paid to Date:	\$7,090.50
Construction % Complete:	0%	Balance:	\$186,975.23
Updated:	3/30/2023	Contingency:	\$4,475.23
Managed By:	Montie Breeden		
Substantial Completion Date:	12/20/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### DSS Gender Inclusive Bathroom

#### Project Scope

Provide construction documents and a cost opinion to convert women's bathroom A220 at the Department of Social Services in COB 5th St. from a traditional restroom to a Gender-neutral restroom under the 2021 International Plumbing code.

#### Project Update

Two quotes were received on Tuesday, March 28, 2023 with just over a \$3500 spread. Staff is proceeding with procurement via Purchase Order and working with the low bidder to finalize a start date pending permits and lead time for toilet partitions.

<b>Current Phase:</b>		<b>Budget:</b>	\$80,568.00
<b>% Complete:</b>	0%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	0%	<b>Paid to Date:</b>	\$13,404.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$67,164.00
<b>Updated:</b>	4/6/2023	<b>Contingency:</b>	\$35,904.00
<b>Managed By:</b>	Audrey Storm		
<b>Substantial Completion Date:</b>	6/21/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### DSS Space Programming & Concept Design

#### Project Scope

Review results of Spring 2022 interview with Department of Social Services (DSS) to develop a draft 20 year Program of Requirements to incorporate agile and hybrid office spaces including an optimized mix of collaboration and focused spaces. Two concepts representing minimal vs extensive changes will be presented that identify opportunities and constraints of each design for further comment to prepare a preliminary concept for review and approval by DSS.

#### Project Update

FES Staff and space planner met with Department of Social Services (DSS) on Friday, March 17th to review results of space analysis from Spring 2022 survey and share general concepts of what shared workstations may look like. DSS acknowledged opportunities to improve efficiency by allowing for team growth within each division through shared workspaces. A follow-up meeting is being scheduled for the week of April 17th to better understand the department needs for each team and plan for next steps. A tour of the existing space and preliminary review of conceptual designs is expected in early May.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$19,160.00
<b>% Complete:</b>	2%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	10%	<b>Paid to Date:</b>	\$0.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$19,160.00
<b>Updated:</b>	4/6/2023	<b>Contingency:</b>	\$0.00
<b>Managed By:</b>	Audrey Storm		
<b>Substantial Completion Date:</b>			

Space Scenario for Social Services





# 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 two restrooms 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 and if necessary delineate options for modifications or replacement.

#### Project Update

Bids were received on March 30th. The lowest bid was over budget and Parks & Rec staff are working to secure an additional \$75,000 in funding. Issuance of Notice of Intent to Award and execution of Construction Contract are pending. Applications were submitted for the Building Permit on February 2nd and for the Health Department Permit (a Safe, Adequate and Proper Application) on March 23rd. Permit approvals are pending. Construction is anticipated to begin in May '23 and be substantially complete in August '23.

<b>Current Phase:</b>	Contractor Bid	<b>Budget:</b>	\$300,000.00
<b>% Complete:</b>	60%	<b>PO Balance:</b>	\$23,962.80
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$35,868.20
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$240,169.00
<b>Updated:</b>	4/14/2023	<b>Contingency:</b>	\$0.00
<b>Managed By:</b>	Montie Breeden		
<b>Substantial Completion Date:</b>	8/29/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Ivy Creek Natural Area Historic Preservation Study

#### Project Scope

As recommended by previous Ivy Creek Farmhouse Complex studies this Historic Structures Report - Level 1 Study will provide: 1. 3D Building Information Modeling (BIM), 2. Additional measured drawings including a site plan, 3. Archival and physical research of building and grounds features to produce a written history, 4. Analysis of the building systems (HVAC, electrical, plumbing, fire detection and fire prevention), 5. Building code and ADA compliance analysis, and 6. Final report including an executive level summary. The approximate cost range for the Level 1 study is \$80,000 - \$120,000 & is expected to take 6-8 months to complete.

#### Project Update

The Ivy Creek Natural Area Foundation has decided to limit the input of their consultant with whom they had been working for the last several months on the Level 1 Study of the Historic Structure Report. The County will now take the lead to solicit a consultant familiar with archeology and historic surveys to complete unfinished portions of the report. After procuring a consultant, Staff will use any remaining funds to excavate a portion of the crawlspace to afford easier access to building components for evaluation and/or stabilize flooring and walls of the farmhouse. Work associated with the study is expected to occur throughout the Spring and Summer and conclude in late-October of 2023.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$132,000.00
<b>% Complete:</b>	35%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	45%	<b>Paid to Date:</b>	\$0.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$132,000.00
<b>Updated:</b>	3/30/2023	<b>Contingency:</b>	\$12,000.00
<b>Managed By:</b>	Montie Breeden		
<b>Substantial</b>			
<b>Completion Date:</b>	10/31/2023		



# Capital Projects Report - Facilities and Environmental Services

## Local Government

### NSL Electric & Hot Water Piping Review

#### Project Scope

The Northside Library is experiencing electrical issues causing the elevator to be out of operation and there appears to be inefficiencies with how the hot water piping is tied into the mechanical systems.

#### Project Update

The original Engineer from the library renovation 2RW, has provided a fee proposal to review issues and provide recommendations. Staff anticipates having a design solution and being able to perform corrective work by Spring 2023

Current Phase:	Design	Budget:	\$20,000.00
% Complete:	50%	PO Balance:	\$0.00
Design % Complete:	45%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$20,000.00
Updated:	4/14/2023	Contingency:	\$0.00
Managed By:	Scott Reuschling		
Substantial Completion Date:	6/1/2023		

# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Public Safety Operations Logistics Center

#### Project Scope

Retrofit of old JC Penney's at Fashion Square Mall to provide spaces for ACFR and ACPD non-emergency use. This project will provide office spaces for specific ACPD units, a conference room, evidence storage facilities, general storage facilities, and vehicle storage. It will also provide vehicle maintenance and storage areas for ACFR by installing a new concrete floor and garage door. Moseley Architects will be providing programming and full design for the renovations which will be bid as two packages to prioritize work and expedite portions of work to be functional as soon as possible. The County intends to hire contractors directly to expedite work and material orders.

#### Project Update

Three bids were received, and the lowest bid was within budget and a Notice of Intent to Award has been issued. County Staff is currently working on executing the construction contract for the project. Construction is anticipated to start at the beginning of May.

<b>Current Phase:</b>	Contractor Bid	<b>Budget:</b>	\$3,100,000.00
<b>% Complete:</b>	45%	<b>PO Balance:</b>	\$154,905.00
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$250,981.00
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$2,694,114.00
<b>Updated:</b>	4/3/2023	<b>Contingency:</b>	\$99,394.00
<b>Managed By:</b>	Scott Reuschling		
<b>Substantial Completion Date:</b>	9/22/2023		





# Capital Projects Report - Facilities and Environmental Services

## Local Government

### Scottsville Community Ctr Building Upgrades

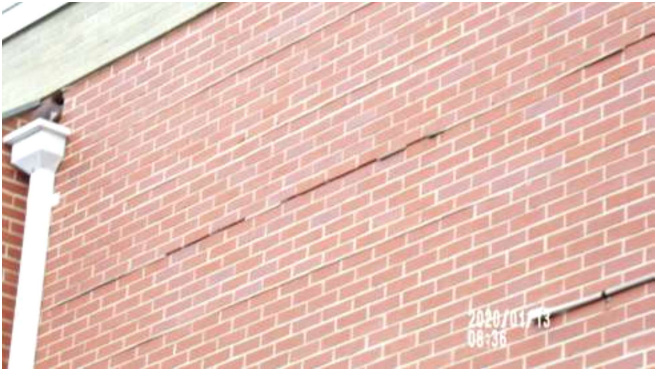
#### Project Scope

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

Notice of Intent to Award was awarded to Wall Construction. County staff is working with Purchasing on finalizing the contract so that the Noticed to Procced can be issued. Construction is scheduled to start by the end of April. Completion of renovation is scheduled to be completed by Mid-June 2023

Current Phase:	Contractor Bid	Budget:	\$315,000.00
% Complete:	41%	PO Balance:	\$5,513.17
Design % Complete:	91%	Paid to Date:	\$21,405.83
Construction % Complete:	0%	Balance:	\$315,000.00
Updated:	4/19/2023	Contingency:	\$24,281.00
Managed By:	Scott Reuschling		
Substantial Completion Date:	7/28/2023		



# 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

Owner generated redesign and some weather constraints resulted in the contractor temporarily pulling off the site. They remobilized in late February and continued work on conduit and concrete installation. Project substantial completion is currently anticipated to be achieved in May of 2023.

<b>Current Phase:</b>	Construction	<b>Budget:</b>	\$1,650,000.00
<b>% Complete:</b>	80%	<b>PO Balance:</b>	\$0.00
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$60,137.34
<b>Construction % Complete:</b>	60%	<b>Balance:</b>	\$1,650,000.00
<b>Updated:</b>	4/10/2023	<b>Contingency:</b>	\$1,589,862.66
<b>Managed By:</b>	Blake Abplanalp		
<b>Substantial Completion Date:</b>	5/15/2023		



Capital Projects Report - Facilities and Environmental Services

Local Government

Street Sweeper Storage Building

Project Scope

Provide a storage facility for the new Public Works street sweeper. Request is for an approximate 30 ft x 40 ft metal building with three doors, concrete slab and electrical service.

Project Update

FES staff met on March 24 to review constraints and opportunities for potential locations. Staff is investigating location options. Staff will meet to discuss findings and develop a plan to move forward.

Current Phase:	Initiation	Budget:	\$0.00
% Complete:	0%	PO Balance:	\$0.00
Design % Complete:	0%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$0.00
Updated:	4/4/2023	Contingency:	\$0.00
Managed By:	Audrey Storm		
Substantial Completion Date:			

# 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

With the arrival of warmer spring time temperatures the contractor is currently working on the final Punch List work that was identified at Substantial Completion in December 2022. The contractor is working on a close out schedule to reach final stabilization of the site and achieve mature grass growth ahead of County site permit closure. Safety fence and erosion control measures will remain partially in place until project final completion.

<b>Current Phase:</b>	Closeout	<b>Budget:</b>	\$1,096,390.48
<b>% Complete:</b>	99%	<b>PO Balance:</b>	\$176,102.42
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$882,209.22
<b>Construction % Complete:</b>	99%	<b>Balance:</b>	\$37,000.19
<b>Updated:</b>	4/14/2023	<b>Contingency:</b>	\$66,943.19
<b>Managed By:</b>	Steve Hoffmann		
<b>Substantial Completion Date:</b>	12/16/2022		



# 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

The Design Engineer (Kimley-Horn Associates) submitted revised 60% plans, addressing VDOT’s latest comments. the Design Engineer will revised engineer's opinion of probable cost and schedule once the 60% documents are approved. The Design Engineer Sub-Consultant (ERM) is actively engaged with the land owners for acquisition of Right of Way (ROW) necessary for this project. Negotiations with the Virginia Passenger Rail Authority (VPRA) will require diligence. Consideration is being given to combining The Square project and the Barnes Lumber project for a single bid package with two distinct parts for VDOT accounting.

Current Phase:	Design	Budget:	\$2,010,000.00
% Complete:	18%	PO Balance:	\$65,409.52
Design % Complete:	55%	Paid to Date:	\$211,605.88
Construction % Complete:	0%	Balance:	\$1,726,184.60
Updated:	3/30/2023	Contingency:	\$252,133.60
Managed By:	Mike Stumbaugh		
Substantial Completion Date:	6/23/2024		





# Capital Projects Report - Facilities and Environmental Services

## Transportation

### Transportation - Barnes Lumber

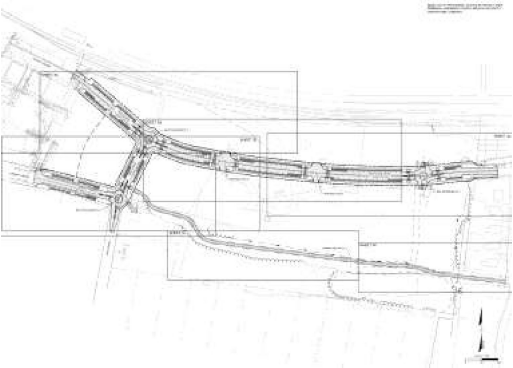
#### Project Scope

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

The Design Engineer (Timmons Group) submitted to VDOT 60% plans, Basis of Design, County Utility Plans and WPO Plans on 2/1/23. Comments have been provided by VDOT. The Design Engineer is preparing responses. Also, the Design Engineer is coordinating with the necessary utility vendors. Once approved, Right of Way (ROW) acquisition will be authorized and the Design Engineer will revise engineer's opinion of probable cost and schedule. Consideration is being given to combining The Square project and the Barnes Lumber project for a single bid package with two distinct parts for VDOT accounting.

Current Phase:	Design	Budget:	\$8,093,351.00
% Complete:	28%	PO Balance:	\$0.00
Design % Complete:	70%	Paid to Date:	\$0.00
Construction % Complete:	0%	Balance:	\$8,093,351.00
Updated:	3/30/2023	Contingency:	\$0.00
Managed By:	Blake Abplanalp		
Substantial Completion Date:	9/30/2025		



# Capital Projects Report - Facilities and Environmental Services

## Transportation

### Transportation - Berkmar Bike Ped Improvements

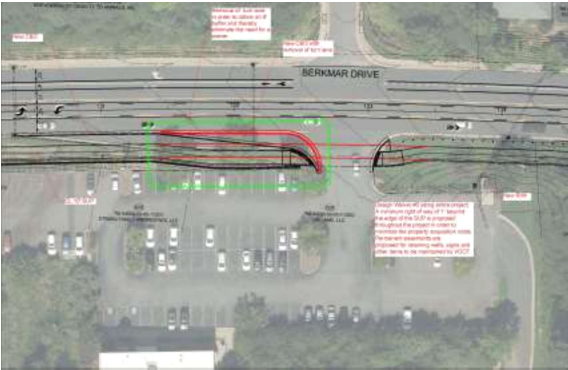
#### Project Scope

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

The Design Engineer (AMT) submitted the segment 2 design waiver package into the VDOT software system for review and analysis. Discussions with VDOT Culpeper District Staff, County Staff, and the Design Engineer resulted in pathway options that will augment the waiver request comments. Discussions with property owners are necessary to determine the final design waiver package. Discussions continue with the Property Manager of the UVA Community Credit Union (UVA CCU) to discuss their unique frontage. An engineer's opinion of probable cost and revised schedule will be provided by the Design Engineer based on the selected shared use path routing for the 30% design milestone.

Current Phase:	Design	Budget:	\$2,890,026.00
% Complete:	15%	PO Balance:	\$275,400.00
Design % Complete:	29%	Paid to Date:	\$224,286.86
Construction % Complete:	0%	Balance:	\$2,390,338.94
Updated:	3/30/2023	Contingency:	
Managed By:	Mike Stumbaugh		
Substantial Completion Date:	8/13/2025		



# Capital Projects Report - Facilities and Environmental Services

## Transportation

### Transportation - Commonwealth/Dominion

#### Project Scope

Design and construct approximately 2,500 feet of sidewalk on Commonwealth Drive from Hydraulic Road to Peyton Drive (east side); 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 40 easements or temporary easements required for this project.

#### Project Update

The Design Engineer (Kimley-Horn) submitted the 60% design package, including the drawing set and Basis of Design (BOD) document to VDOT for review. VDOT provided comments to these documents. The Design Engineer assessed the comments and uploaded responses. VDOT is using the 60% design submission to provide estimated costs associated with Right of Way (ROW) acquisition services for the project. A Public Meeting was held Thursday 3/9/23 to inform the public as to the status of the project. The current schedule shows entering the ROW phase by November 2023.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$3,336,224.00
<b>% Complete:</b>	50%	<b>PO Balance:</b>	\$251,446.48
<b>Design % Complete:</b>	65%	<b>Paid to Date:</b>	\$250,338.48
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$2,834,439.04
<b>Updated:</b>	3/30/2023	<b>Contingency:</b>	\$276,151.79
<b>Managed By:</b>	Mike Stumbaugh		
<b>Substantial Completion Date:</b>	12/31/2026		



# Capital Projects Report - Facilities and Environmental Services

## Transportation

### Transportation - 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

Contractors completed installation of storm system, concrete work, and asphalt work. Significant issues were determined to be out of compliance for asphalt profiles and pavement markings in relation to the drawings and specifications. Staff is reviewing Corrective Action Plans (CAPs) that were submitted. VDOT is informed and will be involved in CAP evaluations. The County Attorney's Office has been informed. Discussions continue in order to determine the final resolution. A meeting will be scheduled with essential active parties to finalize appropriate overall CAPs and the process to take the project to completion.

Current Phase:	Construction	Budget:	\$3,078,000.00
% Complete:	95%	PO Balance:	\$537,598.36
Design % Complete:	100%	Paid to Date:	\$2,481,430.92
Construction % Complete:	95%	Balance:	\$58,970.72
Updated:	3/31/2023	Contingency:	\$9,229.81
Managed By:	Walter Harris		
Substantial Completion Date:	4/28/2023		



## Capital Projects Report - Facilities and Environmental Services

### Transportation

#### Transportation - 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 Mountain View 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, Avon Street and Route 250 sections of this project are substantially completed. Sidewalks, paths and crossings are fully accessible. The Contractor is addressing the substantial completion items. VDOT has reviewed the stormwater and underdrain structure videos for acceptability and provided a report with items for the Contractor to correct. The Project Team is working on the Albemarle County Service Authority (ACSA) Deed of Easement for the water line relocation on the south end of Avon Street Extended. Vegetation must be stable before the County of Albemarle will provide final approvals. A date for final completion is forthcoming.

<b>Current Phase:</b>	Construction	<b>Budget:</b>	\$5,005,208.72
<b>% Complete:</b>	98%	<b>PO Balance:</b>	\$262,961.13
<b>Design % Complete:</b>	100%	<b>Paid to Date:</b>	\$4,494,895.10
<b>Construction % Complete:</b>	98%	<b>Balance:</b>	\$248,352.49
<b>Updated:</b>	3/30/2023	<b>Contingency:</b>	\$45,962.93
<b>Managed By:</b>	Mike Stumbaugh		
<b>Substantial Completion Date:</b>	1/31/2023		





# Capital Projects Report - Facilities and Environmental Services

## Water Resources

### Biscuit Run Stream Restoration-North Section

#### Project Scope

This project provided a restoration master plan for Biscuit Run stream. An environmental consultant, Ecosystem Services, conducted an assessment of the entire stream and is working on the first phase of restoration design which is approximately 1 mile of the stream. The project has been awarded an \$860,000 grant for the stream restoration work to occur through a stormwater local assistance fund. Construction is expected to occur in 2024.

#### Project Update

Surveying work continues and is expected to be complete by the end of March 2023. In April, the environmental consultant will use the surveying information to begin working on the design documents. The design is anticipated to continue until the end of the 2023 calendar year. Construction work is anticipated to begin before April 1, 2024, and be substantially complete by the end of the 2024 calendar year. The FES Environmental Services division was recently ranked the highest submission by DEQ for a stormwater local assistance fund and awarded an \$860,000 grant for the stream restoration work to occur.

Current Phase:	Design	Budget:	\$356,890.00
% Complete:	6%	PO Balance:	\$280,270.00
Design % Complete:	12%	Paid to Date:	\$61,890.00
Construction % Complete:	0%	Balance:	\$19,730.00
Updated:	3/13/2023	Contingency:	\$14,730.00
Managed By:	Audrey Storm		
Substantial Completion Date:	1/30/2025		



# 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

On March 27th The Engineering Consultant completed the existing conditions survey, dam break inundation studies, and geotechnical studies. There were some delays completing the study due to the installation of the new low flow drain at the upper lake. With that being said, the Engineering Consultants are just starting the preliminary engineering report and it is anticipated to be complete within 30 days.

<b>Current Phase:</b>	Design	<b>Budget:</b>	\$300,000.00
<b>% Complete:</b>	30%	<b>PO Balance:</b>	\$99,258.45
<b>Design % Complete:</b>	30%	<b>Paid to Date:</b>	\$78,627.55
<b>Construction % Complete:</b>	0%	<b>Balance:</b>	\$122,114.00
<b>Updated:</b>	4/3/2023	<b>Contingency:</b>	\$122,114.00
<b>Managed By:</b>	Walter Harris		
<b>Substantial</b>			
<b>Completion Date:</b>	7/31/2024		



# 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

In finalizing the scope of maintenance repair work it was determined an erosion and sediment control (E&S) plan is required. The environmental consultant is preparing the E&S plan and wetlands permits. The environmental consultant will spend the next month preparing the permit applications, submit them by May and expect approval for construction by September. Work will likely need to adhere to tree removal restrictions and cannot start until November 15th. Maintenance and repair work is expect to take four (4) weeks to complete. Access to the trail through the lagoon will be impacted during construction, however the project will ultimately provide a safer, more accessible and healthier trail.

Current Phase:	Design	Budget:	\$183,107.00
% Complete:	49%	PO Balance:	\$43,620.00
Design % Complete:	98%	Paid to Date:	\$29,487.00
Construction % Complete:	0%	Balance:	\$110,000.00
Updated:	4/4/2023	Contingency:	\$18,457.30
Managed By:	Tyler Gifford		
Substantial Completion Date:	12/22/2023		

