



## **Department of Facilities & Environmental Services Project Management Division**

### **Capital Projects Status Report 4th Quarter CY 2015**

**February 3, 2016**

The Project Management (PM) Division of the Department of Facilities & Environmental Services is pleased to present the fourth quarter Capital Projects Status Report for calendar year 2015. The report provides summary level information on all projects managed by the PM Division, including both Capital Projects and Capital Maintenance Projects. The first of this type report was presented to the Board of Supervisors in February 2012 and the Board confirmed the format and contents of the report provided the level of expected detail. Staff would like to assure the report level of detail continues to meet the expectations of the Board.

As background for the new Board members, the purpose of the Quarterly Capital Project Status Report is to establish a means of formal, regular reporting on the status of Capital Projects to key stakeholders, including the Board and County Executive. The PM Division (formerly Office of Facilities Development) tracks its projects using the shared services site (SharePoint). The information contained herein is pulled from information tracked and reported during the monthly project review meetings attended by the Assistant County Executives, Department Heads and Director of Building Services. As part of the project management process, project managers establish a baseline budget at the beginning of a project, typically identified in the Capital Improvement Program (CIP) worksheet, to establish the budget that is used to measure the amount of deviation of performance from the original plan. In the attached detailed project reports, this information is reflected in the Baseline column of the budget. The "Current Estimate at Completion" budget column includes a combination of actual costs paid, remaining work committed (encumbered) and future forecasted (uncommitted) work on the project as determined by the project manager. The variance column allows for tracking of changes in the project cost estimates as compared to the baseline. A "project budget tracker" is provided for the select projects reported individually in the quarterly report in order to provide a history of the budget and assist in explaining the reasons for the variance to baseline. The baseline budget can be changed only by a significant scope event and with the approval of the budget authority.

For purposes of this report, a “Capital Project” has been approved through the CIP process and is a planned expense for a facility or physical item requiring a minimum expenditure of \$20,000 by the County, having a useful life span of 10 years or more, and meets one or more of the following definitions:

- Involves the acquisition or construction of any physical facility for the community;
- Involves the acquisition of land or an interest in land for the community;
- Involves the acquisition or construction of public utilities;
- Involves modifications to facilities, including additions to existing facilities, which increases the square footage, useful life, or value of the facility.

The following sections provide a summary on all projects and more detailed information of select Capital Projects. Following are some notable highlights during the fourth quarter on key projects.

- The Carrsbrook Drive Pipe Replacement project is scheduled for completion in mid-January 2016.
- The Regional Firearms Training Center and Henley Middle School Auxiliary Gym Addition projects continue on schedule.
- The Crozet Avenue North/State Farm Boulevard Sidewalk Improvement project was advertised for construction in December 2015.
- The right-of-way acquisition phase has started on the Hydraulic Road/Barracks Road Sidewalk Improvement project.
- Notices to Proceed with architectural/engineering services were issued for the Pantops Station 16 and Rescue 8 Renovations projects.
- Interior renovations are underway on the second floor the County Office Building to provide offices/space for the Executive and Board staff.
- Several local government and parks maintenance projects are in design.

We hope you continue to find this report useful and informative.

***“Helping to Build a Better Albemarle”***



***Department of Facilities & Environmental Services***  
***Project Management Division***  
***Capital Projects Status Report – 4th Quarter, CY 2015***

**CAPITAL PROJECTS**

<b>Substantially Complete</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
School Security Improvements - 2015	Design and construction of entrance improvements at Western Albemarle High School (WAHS) and Cale Elementary School. The scope at WAHS will be interior work only while Cale will involve a small addition at the front entrance of the building. The projects will be bid individually but are funded as one project.	<ul style="list-style-type: none"> <li>▪ WAHS punch list work is complete and final paperwork processed.</li> <li>▪ Cale Elementary School punch list work is complete and final paperwork is being processed.</li> </ul>	\$619,755	<ul style="list-style-type: none"> <li>▪ Substantial Completion WAHS – Aug 2015 Cale – Oct 2015</li> </ul>
Economic Development Office / Finance Renovations	Interior renovations to create an Economic Development Office and modify Finance Offices to accommodate displaced staff in Human Resources (HR) and Finance. The project will be accomplished in two phases. Phase 1 will include renovations and furnishings for the new Economic Development Office and for displaced HR staff. Phase 2 will include renovations for the Finance Department and Board of Elections Office.	<ul style="list-style-type: none"> <li>▪ Phase 1 construction complete March 2015 (EDO office, HR Benefits Area, Customer Interaction Center).</li> <li>▪ Phase 2 construction: <ul style="list-style-type: none"> <li>○ Area renovations for Finance Department and Electoral Board complete September 2015.</li> <li>○ HR conference room renovations complete November 2015.</li> </ul> </li> </ul>	\$395,976 (includes \$8,861 in HR operating funds)	<ul style="list-style-type: none"> <li>▪ Substantial Completion Ph 1 – March 2015 Ph 2 – Nov 2015</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

<b>In Construction Phase</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
Henley Middle School Auxiliary Gym Addition	Design and construction of an addition (~7,800 square feet) which includes an auxiliary gym, a physical education storage room, mechanical space, and a connection corridor. The 4,000+ square foot multi-purpose space will have a turf floor where a variety of sports and games can be played. Site improvements include a courtyard, ADA improvements and a bio-filter in the bus loop area. New space will include a fitness area and provides a third teaching station for physical education as well as expanded opportunities for shared community use for after-hours events.	<ul style="list-style-type: none"> <li>Construction work approximately 70% complete as of December 2015.</li> <li>Work planned in January 2016 includes drywall finishing, completion of storefronts, painting of walls, completion of ductwork and light fixtures, fitness room flooring, and exterior canopies.</li> <li>Substantial Completion date per current schedule is 2/26/16 (contractual substantial completion 3/9/16).</li> </ul>	\$2,462,716	<ul style="list-style-type: none"> <li>Substantial Completion February 2016</li> </ul>
WAHS Environmental Studies Center	Design and construction of a wood-framed classroom and workroom building with an attached pre-engineered greenhouse. The Center will include 1,045 square feet for classroom work and storage, and the glass greenhouse will be 1,150 square feet.	<ul style="list-style-type: none"> <li>Work procured in two contracts: 1) Greenhouse direct purchase and 2) General Contractor (GC) package.</li> <li>Greenhouse contract completed in December 2015.</li> <li>General Contractor work planned in January includes completing drywall and starting interior painting and storefront glass installation.</li> <li>Greenhouse demonstration is planned for late January.</li> </ul>	\$936,146	<ul style="list-style-type: none"> <li>Substantial Completion February 2016</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

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Regional Firearms Training Center	Design and construction of a regional indoor firearms training facility, which includes a 50-yard qualification range and 50-yard tactical range, 16 shooting lanes (original scope 20-24 shooting lanes), classroom, office, bathrooms and storage areas (control platforms eliminated from original scope). The range will be located on property owned by UVA on Milton Road.	<ul style="list-style-type: none"> <li>▪ Construction work approximately 77% complete as of December 2015.</li> <li>▪ Potential of a minor delay related to administration area corridor fire code requirements.</li> <li>▪ Major mechanical systems and building exterior nearing completion.</li> <li>▪ Interior finishes work underway.</li> <li>▪ Asset Forfeiture Award spending requirement satisfied with contractor's November payment application; Police Chiefs notified.</li> <li>▪ Negotiating change order with contractor to provide police training simulator.</li> </ul>	\$6,041,508	<ul style="list-style-type: none"> <li>▪ Substantial Completion April 2016</li> </ul>
Carrsbrook Pipe Repair	Replacement of a failing underground pipe between the upper and lower lakes along Carrsbrook Drive. The County and VDOT are equally sharing the cost to construct a new underground pipe and associated improvements.	<ul style="list-style-type: none"> <li>▪ Carrsbrook Drive detour complete and the road reopened to through traffic mid-December 2015.</li> <li>▪ Installation of the new pipe, manhole and riprap is complete.</li> <li>▪ VDOT is estimating project completion by mid-January 2016.</li> </ul>	\$175,150	<ul style="list-style-type: none"> <li>▪ Completion January 2016</li> </ul>



***Department of Facilities & Environmental Services***  
***Project Management Division***  
***Capital Projects Status Report – 4th Quarter, CY 2015***

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Executive Suite – 2 <sup>nd</sup> Floor Renovations	Interior renovations to the second floor of the Albemarle County Office Building to create offices/space for the County Executive and Board of Supervisors staff. Scope includes minor renovation of prior County Executive spaces on the 4th floor for Department of Facilities & Environmental Services staff.	<ul style="list-style-type: none"> <li>Notice to Proceed issued to contractor 12/4/15 and construction work is underway and on schedule.</li> </ul>	\$170,000	<ul style="list-style-type: none"> <li>Substantial Completion 2<sup>nd</sup> Floor - Feb 2016</li> <li>4<sup>th</sup> Floor - March 2016</li> </ul>
<b>In Bid/Award Phase</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
County Facilities Interim Modifications - Commonwealth Attorney	Interior renovations to provide for a modest expansion of the Commonwealth's Attorney's Office within the footprint of the existing Courts Annex building, including limited reconfiguration of select, existing rooms within the footprint of the current office. The proposed space modifications are essential to maintain necessary staff support to the County's judicial system while the larger Courts Project is being designed for execution.	<ul style="list-style-type: none"> <li>Bids for construction received and opened 11/10/15.</li> <li>Low bidder determined to be "non-responsible" by Purchasing Agent.</li> <li>Notice of Intent to Award issued to second lowest bidder and contract forwarded for execution.</li> <li>Goal is to issue Notice to Proceed late January 2016; approximately 3 months construction.</li> </ul>	\$169,627	<ul style="list-style-type: none"> <li>Substantial Completion 2nd Quarter 2016</li> </ul>
Preddy Creek Park Bridge	Construction of a wire cable and wood suspension bridge, and crushed stone stream ford to provide pedestrian/hiker/biker and equestrian/emergency vehicle access across Preddy Creek to Preddy Creek Park lands.	<ul style="list-style-type: none"> <li>Invitation for Bid issued 1/8/16; bids due 2/25/16.</li> <li>Goal is to issue Notice to Proceed late-March 2016; approximately 4-5 months construction.</li> </ul>	\$126,023	<ul style="list-style-type: none"> <li>Substantial Completion 4th Quarter 2016</li> </ul>



**Department of Facilities & Environmental Services**  
**Project Management Division**  
**Capital Projects Status Report – 4th Quarter, CY 2015**

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Crozet Avenue North, South Pantops Drive and State Farm Boulevard Sidewalk Improvements	<p>VDOT Revenue Sharing project to support pedestrian safety by providing the following sidewalk improvements:</p> <p>a) Crozet Avenue North – replacement/construction of approx. 1100 feet of sidewalk and drainage improvements along the west side from Saint George Avenue to Crozet Elementary School.</p> <p>b) South Pantops Drive and State Farm Boulevard – construction of approx. 1050 feet of curb, gutter and sidewalk along the north side of South Pantops Drive and west side of State Farm Boulevard.</p>	<ul style="list-style-type: none"> <li>▪ Since bids received in August 2015 were over budget, on 11/4/15 Board authorized staff to re-bid the project with the Crozet North Avenue plans as they are currently, the reduction of the scope of the State Farm Boulevard sidewalk to build only the portion of new sidewalk between Route 250 (Richmond Road) and Hickman Road, and with the inclusion of the South Pantops Drive sidewalk as an additive alternate.</li> <li>▪ Invitation for Bid based on the revised scope issued 12/10/15; bids due 1/20/16.</li> <li>▪ Goal is to issue Notice to Proceed late March 2016.</li> </ul>	\$1,894,642	<ul style="list-style-type: none"> <li>▪ Substantial Completion Crozet – 3rd Quarter 2016</li> <li>State Farm/S. Pantops – 4th Quarter 2016</li> </ul>
Fontaine Avenue Sidewalk	<p>Construction of a short sidewalk (~160') from the end of the Fontaine Research Park paved path to the end of the existing sidewalk at the City line. This project closes the walkway gap which may create safety issues if left unconnected.</p>	<ul style="list-style-type: none"> <li>▪ Design and construction documents completed in-house.</li> <li>▪ One response to Request for Quotation received 11/24/15 and over \$50k limit for RFQ; requires issuance of Invitation for Bid.</li> <li>▪ IFB issued 12/11/15; 3 bids received 1/14/16 and are being reviewed.</li> <li>▪ Goal is to issue Notice to Proceed mid-February 2016; approximately 3 months construction.</li> </ul>	\$110,091	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>



**Department of Facilities & Environmental Services**  
**Project Management Division**  
**Capital Projects Status Report – 4th Quarter, CY 2015**

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English Speaking as a Second Language (ESOL) Mezzanine Fit-Out Project at Northside Library	Fit-Out of existing shell space at Northside Library to support the School's ESOL Program. Work includes framing, drywall, electrical, mechanical, plumbing, sprinkler and finishes work.	<ul style="list-style-type: none"> <li>▪ Invitation for Bid issued 1/8/16; bids due 1/28/16.</li> <li>▪ Goal is to issue Notice to Proceed mid-February 2016; approximately 3 months construction.</li> </ul>	\$263,188	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>
<b>In Design/Planning Phase</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
Hydraulic Road and Barracks Road Sidewalk Improvements	<p>VDOT Revenue Sharing project to support pedestrian safety by providing the following sidewalk improvements:</p> <p>a) Hydraulic Road - construct approx. 1700 feet of sidewalk on the north side from the existing sidewalk at the Stonefield Shopping Center to Georgetown Rd.</p> <p>b) Barracks Road</p> <p>1) construct approx. 1000 feet of sidewalk on the north side from Barracks West apartments to existing sidewalk west of Georgetown Rd intersection;</p> <p>2) construction of crosswalks and two segments of sidewalk (650 ft total) on the south side between Georgetown Road intersection &amp; Westminster Road, and between South Bennington Road &amp; 29/250 Bypass ramp.</p>	<ul style="list-style-type: none"> <li>▪ Received VDOT authorization on 11/20/15 to proceed with right-of-way acquisition phase.</li> <li>▪ On 01/06/16 Board authorized the purchase of necessary rights-of-way/easements for amounts not to exceed just compensation and current budget and authorized the County Executive to sign all documents necessary to complete the acquisitions.</li> <li>▪ Meeting with landowners and negotiations commencing.</li> </ul>	\$2,008,698	<ul style="list-style-type: none"> <li>▪ Advertise 3rd Quarter 2016</li> <li>▪ Substantial Completion 2nd Quarter 2017</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

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Ivy Road Sidewalk Improvements	VDOT Revenue Sharing project is to extend approximately 3,000 feet of sidewalk from the City sidewalk at the Ivy Road/Old Ivy Road intersection westward to the Route 29/250 Bypass, and to provide crosswalks, pedestrian signals, bike lanes and/or paved shoulders, curb, and storm drainage improvements, and possibly street trees and pedestrian lighting.	<ul style="list-style-type: none"> <li>Staff presented three design options to the Board on 1/6/16. Based on input from the City, UVA and VDOT, staff recommended proceeding with option 2.</li> <li>Board authorized proceeding with option 2, design from City limits to Stillfried Lane and phasing of construction to maximize the amount of sidewalk that may be built within budget; contingent upon VDOT waiver for 11' lanes to allow for an eastbound bike lane.</li> <li>Based on option 2, the County's consultant is proceeding with preparation of Public Hearing plans and design waiver/exception requests for submittal to VDOT.</li> </ul>	\$1,345,632	<ul style="list-style-type: none"> <li>Public Hearing 1st Quarter 2016</li> </ul>
Old Lynchburg Road Walkway Improvements	VDOT Revenue Sharing project to provide improvements to the existing asphalt walkway (resurfacing or replacement) along Old Lynchburg Road (Fifth Street Extended to Doncaster Lane), painted pedestrian crosswalks (including to Region Ten building), and pedestrian signage.	<ul style="list-style-type: none"> <li>Target obtaining VDOT authorization to post "Willingness to Hold Public Hearing" and post by late February 2016.</li> <li>Bid documents being prepared in-house.</li> </ul>	\$278,980	<ul style="list-style-type: none"> <li>Bid 2nd Quarter 2016</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

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Rio Road – Avon Street – US Route 250 West-Crozet Sidewalk/Crosswalk Improvements	VDOT Revenue Sharing project to support pedestrian safety by providing the following sidewalk/crosswalk improvements: a) Rio Road – sidewalk improvement will connect the Stonehenge residential neighborhood to the John Warner Parkway and Rio Road sidewalk system. b) Avon Street – construction of sidewalk on the east side from Swan Lake Dr. to Mill Creek Dr. and then to Cale Elementary School; and on the east side from Stoney Creek Dr. to Arden Dr. c) US Route 250 West-Crozet – construction of sidewalk, crosswalks and street lighting from Cory Farms to the Cloverlawn commercial area and Blue Ridge Shopping Center.	<ul style="list-style-type: none"> <li>Staff coordinating preparation of request to VDOT to split the project into three separate projects. VDOT is supporting the split and it will facilitate completion of the individual projects.</li> <li>Public Hearing (40%) Plans and requests for design waivers submitted to VDOT. VDOT comments received on design waivers and are under review by the consultant and staff.</li> <li>Anticipate conducting the Public Design Hearings by the end of March 2016.</li> </ul>	\$3,672,916	<ul style="list-style-type: none"> <li>Public Hearing 1st Quarter 2016</li> <li>Complete 60% Design 3rd Quarter 2016</li> <li>Complete Right-of-Way Acquisitions 4th Quarter 2017</li> </ul>
Hollymead-Powell Creek Drive Sidewalk	Completion of the sidewalk connection from Hollymead to Sutherland Schools. The required right-of-way has been donated.	<ul style="list-style-type: none"> <li>Bid documents being prepared in-house.</li> <li>Goal is to issue Invitation for Bid by mid-February 2016.</li> </ul>	\$213,128	<ul style="list-style-type: none"> <li>Bid 1st Quarter 2016</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

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Rescue 8 Station Renovation	Design and construction of renovations to the existing station, including evaluating demolishing existing building and new construction versus renovation/expansion which includes renovation of approximately 2,730 square feet of the existing rescue squad building, an addition of approximately 300 square feet to enlarge the bay for current apparatus, and restoration/ replacement of the existing parking lot.	<ul style="list-style-type: none"> <li>▪ Notice to Proceed with A/E services issued to ZHA Architects on 1/7/16.</li> <li>▪ Design to be complete by June 2016.</li> <li>▪ Working with Seminole Trail Volunteer Fire Department to provide temporary location during renovation.</li> <li>▪ Additional \$50k requested in FY17 CIP. OFD team determined that the consultant's original estimate that was the basis of the FY16 CIP request did not include sufficient funds for HVAC and plumbing activities.</li> </ul>	\$954,137	<ul style="list-style-type: none"> <li>▪ Design Complete 2nd Quarter 2016</li> <li>▪ Bid/Award 3rd Quarter 2016</li> </ul>
Pantops Station 16	Design and construction of an approximately 8000 square foot Public Safety station and 2000 square foot accessory structure on land donated for its use at 656 Peter Jefferson Parkway in the Pantops area. The facility is envisioned to include 2 apparatus bays and support facilities for 6 personnel.	<ul style="list-style-type: none"> <li>▪ Notice to Proceed with A/E services issued to DJG, Inc. on 10/28/15.</li> <li>▪ Design to be complete by early July 2016.</li> <li>▪ Construction funding is in adopted FY16 CIP but additional construction funding, ~\$476,000, has been included in the FY17 CIP request based on cost updates from the consultant.</li> <li>▪ Met with personnel from other stations to gather information about useful aspects of their stations.</li> </ul>	\$3,415,143	<ul style="list-style-type: none"> <li>▪ Complete Design 3rd Quarter 2016</li> </ul>



**Department of Facilities & Environmental Services**  
**Project Management Division**  
*Capital Projects Status Report – 4th Quarter, CY 2015*

**MAINTENANCE PROJECTS**

<b>Substantially Complete</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
COB-McIntire AHU Replacement	Replacement of existing air handling units along with main duct cleaning. Humidity control to be included.	<ul style="list-style-type: none"> <li>Substantial Completion achieved 1/4/16.</li> <li>Punch list work in progress and final completion scheduled for early February 2016.</li> </ul>	\$701,577	<ul style="list-style-type: none"> <li>Substantial Completion January 2016</li> </ul>
Stony Point Elementary School Partial Roof Replacement	<p>Replacement of the existing 1990 and 1997 roofs. The two roof areas together total about 20,000 square feet. Scope will include roof tie-down anchors and as many as seven (7) tubular skylights.</p> <p>Bid additive items for small roofing jobs at Albemarle High School and Burley Middle School.</p>	<ul style="list-style-type: none"> <li>Substantial Completion achieved 9/30/15; contractual Substantial completion date was 8/21/15.</li> <li>Contractor finishing final punch items; contractual Final Completion date was 9/4/15.</li> <li>OFD and Building Services staff to discuss liquidated damages.</li> </ul>	\$364,500	<ul style="list-style-type: none"> <li>Final Completion January 2016</li> </ul>
VMF Mobile Lifts	Purchase of 2-sets of mobile lifts for the Vehicle Maintenance Facility.	<ul style="list-style-type: none"> <li>Mobile lifts delivered and installed in late November 2015.</li> </ul>	\$95,000	<ul style="list-style-type: none"> <li>Delivery/Installation of Lifts – November 2015</li> </ul>
<b>In Bid/Award Phase</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
Burley Middle School – Baseball Field Lighting	Replacement of the existing wood poles and lighting fixtures on the baseball field. The new poles will be cast aluminum on a concrete base with the latest technology in lighting fixtures and reflectors.	<ul style="list-style-type: none"> <li>Invitation for Bid issued 12/10/15; 3 bids received 1/14/16 and are being reviewed.</li> <li>Goal is to issue Notice to Proceed late January 2016; approximately 2 months construction.</li> </ul>	\$312,264	<ul style="list-style-type: none"> <li>Substantial Completion 1st Quarter 2016</li> </ul>



***Department of Facilities & Environmental Services  
Project Management Division  
Capital Projects Status Report – 4th Quarter, CY 2015***

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Crozet Park Parking Lot	Pave existing parking areas and drive lanes. Reconfigure a portion of the existing parking lot to provide better vehicular circulation and improve pedestrian safety. Provide parking lot lighting as an alternate to be installed if funds allow.	<ul style="list-style-type: none"> <li>▪ Invitation for Bid issued 1/21/16; bids due 2/18/16.</li> <li>▪ Construction goal is to complete improvements prior to Crozet Arts &amp; Crafts Festival in May 2016.</li> </ul>	\$253,066	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>
<b>In Design/Planning Phase</b>	<b>Scope</b>	<b>Status</b>	<b>Project Budget</b>	<b>Key Milestone</b>
Walnut Creek Park Step Repairs	Removal and replacement of pavilion/bathhouse concrete stairs that includes excavation of unsuitable soils, waterproofing sub-grade walls, and reinstallation of metal handrails.	<ul style="list-style-type: none"> <li>▪ AMT Engineering procured to provide design and construction phase services.</li> <li>▪ Goal is to complete design by mid-February 2016.</li> </ul>	\$75,500	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>
Totter Creek Park Restroom Renovations	Interior renovation of restrooms to include demolition, new ADA compliant restroom stalls and water closets, new plumbing fixtures, paint, solar powered light fixtures, entry doors and frames, power washing of exterior and installation of unit heaters in pump room.	<ul style="list-style-type: none"> <li>▪ Preparing bid packages for various trades.</li> <li>▪ Coordinating schedule with roof replacement project.</li> </ul>	\$64,259	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>
Darden Towe Park – Sediment Pond Dredging	Project consists of draining the pond which collects stormwater and is used to irrigate the athletic fields, dredging the sediments from the bottom, replacing the overflow drain cover, repairing the main drain control, and resetting the irrigation pumps.	<ul style="list-style-type: none"> <li>▪ Defining scope of work in order to proceed with preparation of bid package.</li> <li>▪ Bid package to be prepared in-house.</li> <li>▪ Anticipate receiving bids in early April 2016.</li> </ul>	\$87,555	<ul style="list-style-type: none"> <li>▪ Substantial Completion 2nd Quarter 2016</li> </ul>



***Department of Facilities & Environmental Services***  
***Project Management Division***  
***Capital Projects Status Report – 4th Quarter, CY 2015***

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Darden Towe Park – Tennis Courts Replacement	Complete overhaul of the existing tennis court facility to provide a combination of new tennis and pickle ball courts; all within a fenced enclosure.	<ul style="list-style-type: none"> <li>Waterstreet Studio procured to provide design and construction phase services.</li> <li>Goal is to complete construction documents by late February 2016.</li> <li>Anticipate receiving bids in early April 2016.</li> </ul>	\$257,732	Substantial Completion 2nd Quarter 2016
Department of Social Services (DSS) Office Renovations	Interior renovations to provide additional offices for DSS at the County Office Building 5th Street. Four offices will be located in sets of two in the location of three existing cubicle work areas. A fifth office will be located either by the existing work area or near the entry door.	<ul style="list-style-type: none"> <li>FPW Architects procured to provide design and construction phase services.</li> <li>Goal is to complete design by end of February 2016.</li> </ul>	\$95,040	Substantial Completion 3rd Quarter 2016
Fire/Rescue Administrative Offices Space Planning and Renovation	Provide a study for efficient use of the existing Fire/Rescue administration offices at the County Office Building 5th Street, with particular attention to the storage for the quarter master. Construct first phase of renovations as budget allows.	<ul style="list-style-type: none"> <li>Negotiations underway with A/E to provide study.</li> </ul>	\$79,960	Phase 1 Planned Completion 2nd Quarter 2016
Scottsville Library ADA Upgrades and Restroom Renovations	Demolition and upgrades to make entrance and bathrooms ADA compliant.	<ul style="list-style-type: none"> <li>Negotiations underway with A/E to provide design services.</li> </ul>	\$111,451	Substantial Completion 4th Quarter 2016

## Project: Henley Middle School Auxiliary Gym Addition

### Description:

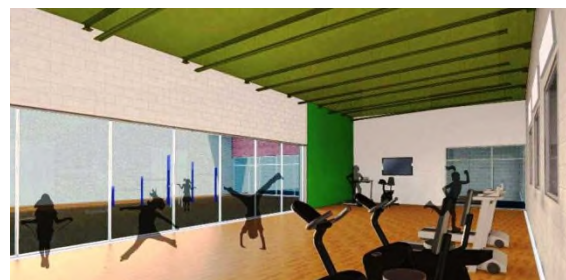
This project consists of design and construction of an addition of approximately 7,800 square feet that includes an auxiliary gym, a physical education storage room, mechanical space, and a connection corridor. The 4,000+ square foot multi-purpose space will have a turf floor where a variety of sports and games can be played. Site improvements include a courtyard, ADA improvements and a bio-filter in the bus loop area. The new space will include a fitness area and provides a third teaching station for physical education as well as expanded opportunities for shared community use for after-hours events.

### Status:

Construction work is in progress and approximately 70% complete as of December 2015. Based on the current schedule, substantial completion date is February 26, 2016, which is 12 days ahead of the contractual completion date. Work planned in January 2016 includes drywall finishing, completion of storefronts, painting of walls, completion of ductwork and light fixtures, fitness room flooring, and exterior canopies. Fitness equipment procurement is being finalized. Staff is analyzing exterior change order work (basketball hoops and concrete pad). Project budget below forecasts fitness equipment purchases and change order work.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Design Complete	01/30/15	02/06/15	7
Bid Opening Date	03/03/15	03/03/15	0
Notice to Proceed	03/30/15	05/09/15	40
Excavation Complete	07/15/15	07/15/15	0
Structural Elements Complete	09/18/15	09/25/15	7
Building Dried-In	11/19/15	12/09/15	20
Finishes Complete	02/24/16	02/22/16	-2
Site Work Complete	02/15/16	02/15/16	0
Substantial Completion	01/29/16	02/26/16	28



## Project Budget:

	Baseline [January 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 2,247,366	\$ 2,406,818	\$ (159,452)
Future Appropriations *	\$ 15,350	\$ 55,898	\$ (40,548)
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 2,262,716</b>	<b>\$ 2,462,716</b>	<b>\$ (200,000)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 238,725	\$ 262,466	\$ (23,741)
Hard Costs	\$ 1,856,719	\$ 2,180,014	\$ (323,295)
Contingency	\$ 167,272	\$ 20,235	\$ 147,037
<b>Total</b>	<b>\$ 2,262,716</b>	<b>\$ 2,462,716</b>	<b>\$ (200,000)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 658,825	
Paid to Date:		\$ 1,539,183	

\* Project Management Services

### A/E Contract (BCWH)

Original Agreement	\$171,000
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$171,000</b>

### Construction Contract (Artisan Construction)

Bid Award	\$1,981,293
Approved Changes	\$
Pending Changes	\$ 3,000
<b>TOTAL</b>	<b>\$1,984,293</b>

### A/E Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
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### Construction Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
<b>PENDING</b> – Basketball hoops and concrete pad	\$3,000

## HENLEY MIDDLE SCHOOL AUXILIARY GYM ADDITION PROJECT BUDGET TRACKER

	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate	Jul-15	\$ 156,399	\$ 82,326	\$ 2,023,991	\$ 2,262,716		Addition of ~7,800 s.f. will include an auxiliary gym, a physical education storage room, mechanical space, and a connection corridor. The 4,000+ s.f. multi-purpose space will have a turf floor where a variety of sports and games can be played. Site improvements include a courtyard, ADA improvements and a bio-filter in the bus loop area. New space will include a fitness area and provides a third teaching station for physical education.	Approved CIP
Additional Appropriation	Apr-15			\$ 200,000	\$ 2,462,716	\$ 200,000	Bids received were over budget. Additional appropriation approved to fully fund construction contract.	Appropriation 2015-091

## Project: WAHS Environmental Studies Center

### Description:

The project consists of design and construction of a wood-framed classroom and workroom building with an attached pre-engineered greenhouse. The Center will include 1,045 square feet for classroom work and storage, and the glass greenhouse will be 1,150 square feet.

### Status:

This project was procured in two contracts – greenhouse direct purchase and General Contractor (GC) package. The greenhouse contract was completed in December 2015. The general contractor is behind schedule approximately 40 days due to ordering and delivery delays. The current schedule shows substantial completion February 1, 2016; contractual substantial completion was December 21, 2015. Work planned by the contractor in January 2016 includes completing drywall and starting interior painting and storefront glass installation. A greenhouse demonstration is being planned for late January.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Design Complete	04/01/15	06/03/15	63
Bid Opening Date	04/30/15	08/13/15	105
Notice to Proceed	09/10/15	09/10/15	0
Excavation Complete	10/06/15	10/16/15	10
Structural Elements Complete	11/07/15	12/08/15	31
Building Dried-In	11/30/15	01/08/16	39
Finishes Complete	12/20/15	01/22/16	33
Site Work Complete	12/21/15	01/22/16	32
Substantial Completion	12/21/15	02/01/16	42



## Project Budget:

	Baseline [June 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 643,397	\$ 936,146	\$ (292,749)
Future Appropriations	\$ -	\$ -	\$ -
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 643,397</b>	<b>\$ 936,146</b>	<b>\$ (292,749)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 66,107	\$ 27,277	\$ 38,830
Hard Costs	\$ 505,725	\$ 826,424	\$ (320,699)
Contingency	\$ 71,565	\$ 82,445	\$ (10,880)
<b>Total</b>	<b>\$ 643,397</b>	<b>\$ 936,146</b>	<b>\$ (292,749)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 231,248	
Paid to Date:		\$ 583,068	

*Design contract funded in School Maintenance Account and not accounted for in above budget.*

### Construction Contract (Winandy Greenhouse)

Bid Award	\$153,190
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$153,190</b>

### Construction Contract (Mathers Construction)

Bid Award	\$640,000
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$640,000</b>

### Construction Change Orders:

No. & Brief Description      Amount

### Construction Change Orders:

No. & Brief Description      Amount

# WAHS ENVIRONMENTAL STUDIES CENTER PROJECT BUDGET TRACKER

	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate	Jul-15	\$ 47,710	\$ 18,397	\$ 577,290	\$ 643,397		Wood-framed classroom and workroom building with an attached pre-engineered greenhouse. The Center will include 1,045 square feet for classroom work and storage, and the glass greenhouse will be 1,150 square feet. Note: Design contract funded in School Maintenance account.	Adopted CIP
Project Management Services Adjustment	Jun-15		\$ 4,324		\$ 647,721	\$ 4,324	OFD Project Management Services - FY15 reconciliation	FY15 Year End Adjustment
Additional Appropriation	Sep-15			\$ 288,425	\$ 936,146	\$ 292,749	Bids received were over budget. Design changes made (i.e. remove basement) and project re-bid. Additional appropriation approved to fully fund construction.	Appropriation 2015-023

## Project: Regional Firearms Training Center

### Description:

This project consists of design and construction of a regional indoor firearms training facility, which includes an 8 lane 50-yard qualification range and an 8 lane 50-yard tactical range, 16 total shooting lanes (original scope 20-24 shooting lanes), classroom, office, bathrooms and storage areas (control platforms eliminated from original scope). The range is located on property owned by UVA on Milton Road.

### Status:

Construction work is in progress and approximately 77% complete as of December 2015. There is a potential for a minor schedule delay related to fire code requirements in the administration area corridor. Major mechanical systems are nearing completion as is the exterior of the building. Work planned by the contractor in January 2016 includes: start preparing the site for final grading; start pouring exterior concrete; begin interior finishes; and begin painting the interior. Currently negotiating change order with contractor to provide the police training simulator. An environmental team will be established to meet and discuss range lead safety and remediation standard operating procedures.

The Asset Forfeiture Award spending requirement was met with the contractor's November payment application. The Police Chiefs were forwarded a memorandum dated December 23, 2015, advising the spending requirement had been satisfied. Monthly construction progress updates continue to be provided to stakeholders in accordance with the RFTC Operational Agreement.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
A/E Procurement Complete	04/07/14	04/21/14	14
Pre-design Complete	05/26/14	07/10/14	45
Design Complete	09/29/14	01/30/15	123
Bid Opening Date	10/30/14	03/18/15	139
Notice to Proceed	11/27/14	06/08/15	193
Building Pad Complete	07/06/15	07/06/15	0
Building dried in	11/15/15	11/15/15	0
Substantial Completion	04/03/16	04/03/16	0



## Project Budget:

	Baseline [January 2014]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 4,865,422	\$ 6,041,508	\$ (1,176,086)
Future Appropriations	\$ -	\$ -	\$ -
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 4,865,422</b>	<b>\$ 6,041,508</b>	<b>\$ (1,176,086)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 509,191	\$ 785,719	\$ (276,528)
Hard Costs	\$ 4,024,824	\$ 4,889,841	\$ (865,017)
Contingency	\$ 331,407	\$ 365,948	\$ (34,541)
<b>Total</b>	<b>\$ 4,865,422</b>	<b>\$ 6,041,508</b>	<b>\$ (1,176,086)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 1,269,095	
Paid to Date:		\$ 4,076,595	

### A/E Contract (Clark Nexsen)

Original Agreement	\$514,137
Approved Changes	\$ 74,693
Pending Changes	\$
<b>TOTAL</b>	<b>\$588,830</b>

### Construction Contract (Jamerson-Lewis)

Bid Award	\$4,482,200
Approved Changes	\$ 32,309
Pending Changes	\$ 123,290
<b>TOTAL</b>	<b>\$4,637,799</b>

### A/E Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
1 – Well and septic design and analysis	\$42,276
2 – Tier 3 groundwater assessment	
3 – Cultural Resource Study by Rivanna Archaeological Services	\$4,686
4 – Credit for revision to the scope and services for water well drilling and testing, and access road and well site clearing	\$2,178
5 – Photographic documentation during construction	\$(15,322)
6 – Additional CA services by sub WW Associates	\$9,075
7 – Clark Nexsen additional CA services	\$6,930
	\$24,870

### Construction Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
1 – Range lighting control	\$32,309
changes to provide remote control capability	
<b>PENDING</b> – Eyewash unit, road signs, portable sidewall bullet traps, weapons cleaning casework, classroom furniture, armorer work benches, changes to resolve fire code issues, police training simulator	\$123,290
<b>\$50k Owner's Allowance</b>	\$34,084
<b>Usage:</b> Revisions to address UVA building official comments; fees associated w/ cancelling trailer; install conduits; relocate lead-contaminated soil; changes in casework, access ladders, door hardware; overhead doors, HVAC controls; omit simulator screen; mark fire-resistant rated walls; acoustical wall modifications	

REGIONAL FIREARMS RANGE TRAINING CENTER PROJECT BUDGET TRACKER								
	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope Changes	Project Budget Information Source
<b>OUTDOOR RANGE</b>								
Baseline Estimate Outdoor Range (Original CIP Budget)	Feb-12	\$ 127,356	\$ 36,548	\$ 976,396	\$ 1,140,300		Original CIP for Outdoor Range at old (closed) Keene Landfill, two 18 lane, 50 yd. ranges	Original CIP
Revised Estimate Outdoor Range	Nov-12	\$ 150,079	\$ 36,548	\$ 1,427,579	\$ 1,614,206	\$ 473,906	Estimate revised to account for additional cost of road, further sound study, wetlands, additional 100 yd. range. <b>Note:</b> Board stopped outdoor range project at 6 Feb 2013 meeting.	Revised CIP
<b>INDOOR RANGE</b>								
Indoor Range (Regional Firearms Training Center) Baseline CIP Estimate	Jan-14	\$ 425,000	\$ 84,191	\$ 4,356,231	\$ 4,865,422		Re-start of Indoor Range Project, formally titled Regional Firearms Range Training Center. Joint partnership with the City of Charlottesville and UVA to build and run an indoor Firing Range at UVA's Milton Site. Project assumed 20-24 lanes, an administrative area for training, storage and weapons cleaning and the site development. CIP estimates were based upon Concrete Masonry Wall construction, concrete ceiling and meeting noise ordinance at property line.	Revised CIP
Additional Appropriation	Jan-15	\$ 577,809	\$ 84,191	\$ 5,338,000	\$ 6,000,000	\$ 1,134,578	Post Schematic design estimate showed anticipated cost increases related primarily to market costs increasing for construction and material, change of construction material from CMU block to Concrete Panels and a decision to fully enclose the HVAC units. In order to moderate the cost increases the scope of ranges was reduced to 2, 8 lane ranges with independent HVAC systems and a smaller attached Admin building. Conclusion of an 8/15/14 executive meeting with fiscal management staff from the County, City, and UVA was an agreement to establish a not to exceed (NTE) total project budget of \$6 Million. Construction Budget is ~ \$5Mil. Direction to staff to return to Board if bids exceed budget.	Appropriation
Construction Drawings Estimate	Jan-15	\$ 576,099	\$ 84,191	\$ 6,631,272	\$ 7,291,562	\$ 2,426,140	Construction Drawings cost estimate from A/E. Project advertised with bid deducts included in Bid Form due to \$6M cap.	Construction Drawings Estimate
Current Estimate based on Bid Results	Mar-15	\$ 617,394	\$ 84,191	\$ 5,298,415	\$ 6,000,000	\$ 1,134,578	Current appropriation supports low bid so no bid deducts were necessary.	Bid Results
Project Management Services Adjustment	Jul-15		\$ 41,508		\$ 6,041,508	\$ 1,176,086	OFD Project Management Services - FY15 reconciliation and FY16 appropriation	Appropriation

## Project: Rescue 8 Station Renovations

### Description:

This project consists of planning, design, and construction of renovations to the existing station, including evaluating demolishing existing building and new construction versus renovation/expansion that includes renovation of approximately 2,730 square feet of the existing rescue squad building, an addition of approximately 300 square feet to enlarge the bay for current apparatus, and restoration/replacement of the existing parking lot.

### Status:

A Notice to Proceed with architectural/engineering (A/E) services was issued to ZHA Architects on January 7, 2016. Current schedule shows design to be complete by June 2016. Staff is working with Seminole Trail Volunteer Fire Department to possibly provide a temporary location for the rescue squad during renovations.

An additional \$50,000 is requested in the FY17 CIP to supplement the construction budget. The OFD team determined that the consultant's original estimate that was the basis of the FY16 CIP request did not include sufficient funds for HVAC and plumbing activities. The project budget below represents the FY17 CIP request.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Pre-design Complete	12/01/15	02/29/16	90
Design Complete	01/13/16	06/15/16	154
Bid Opening Date	02/20/16	07/15/16	146
Notice to Proceed	03/10/16	08/15/16	158
Substantial Completion	TBD based on final design option		



## Project Budget:

	Baseline [July 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 886,589	\$ 886,589	\$ -
Future Appropriations *	\$ 8,108	\$ 67,548	\$ (59,440)
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 894,697</b>	<b>\$ 954,137</b>	<b>\$ (59,440)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 154,557	\$ 171,388	\$ (16,831)
Hard Costs	\$ 654,925	\$ 704,925	\$ (50,000)
Contingency	\$ 85,215	\$ 77,824	\$ 7,391
<b>Total</b>	<b>\$ 894,697</b>	<b>\$ 954,137</b>	<b>\$ (59,440)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 113,774	
Paid to Date:		\$ 2,863	

*\*Future Project Management services and additional \$50k to supplement construction budget.*

### A/E Contract (ZHA Architects)

Original Agreement	\$113,774
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$113,774</b>

### Construction Contract

Bid Award	\$
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$</b>

### A/E Change Orders:

No. & Brief Description      Amount

### Construction Change Orders:

No. & Brief Description      Amount

RESCUE 8 STATION RENOVATIONS PROJECT BUDGET TRACKER								
	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate	Jul-15	\$ 106,521	\$ 33,036	\$ 755,140	\$ 894,697		Renovation of approximately 2,730 square feet of the existing rescue squad building, an addition of approximately 300 square feet to enlarge the bay for current apparatus, and restoration/ replacement of the existing parking lot. Will evaluate complete demolishing of existing building and new construction versus renovate/expansion.	Adopted CIP
Current Estimate at Completion	Dec-15	\$ 128,912	\$ 42,476	\$ 782,749	\$ 954,137	\$ 59,440	Original construction estimate did not include sufficient funds for HVAC and plumbing activities.	FY17 CIP Request

## Project: Pantops Station 16

### Description:

This project consists of design and construction of an approximately 8,000 square foot Public Safety Station and 2,000 square foot accessory structure on land donated for its use at 656 Peter Jefferson Parkway (PJP) in the Pantops area to serve the Pantops Mountain Urban Area (Neighborhood 3) and indirectly service the rest of the County. The facility is envisioned to include 2 apparatus bays and support facilities for 6 personnel.

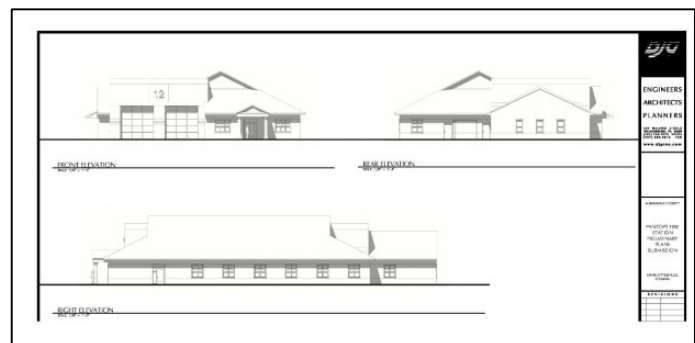
### Status:

A Notice to Proceed with architectural/engineering (A/E) services was issued to DJG, Inc., on October 28, 2015. Current schedule shows design to be complete by July 2016. Funding for construction is in the adopted FY16 CIP but additional construction funding, approximately \$476,000, has been included in the FY17 CIP request based on cost updates from the consultant using the final schematic design footprint and including additional costs related to new stormwater requirements and additional A/E services for the bid and construction phase. The project budget below represents the FY17 CIP request.

Meetings have been held with the project team, fire/rescue personnel, and volunteer fire chiefs to discuss the design and schedule. Staff has been in contact with Worrell Land & Cattle Company and a meeting will be scheduled to discuss the PJP Covenants and expectations.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Pre-design Complete	03/06/16	04/02/16	27
Design Complete	06/02/16	07/03/16	31
Bid Opening Date	08/03/16	08/03/16	0
Notice to Proceed	08/22/16	08/22/16	0
Excavation Complete	TBD		0
Structural Elements Complete	TBD		0
Building Dried-In	TBD		0
Finishes Complete	TBD		0
Site Work Complete	TBD		0
Substantial Completion	09/02/17	09/02/17	0



## Project Budget:

	Baseline [July 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 256,488	\$ 256,488	\$ -
Future Appropriations *	\$ 2,682,173	\$ 3,158,655	\$ (476,482)
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 2,938,661</b>	<b>\$ 3,415,143</b>	<b>\$ (476,482)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 327,611	\$ 416,272	\$ (88,661)
Hard Costs	\$ 2,410,200	\$ 2,755,958	\$ (345,758)
Contingency	\$ 200,850	\$ 242,913	\$ (42,063)
<b>Total</b>	<b>\$ 2,938,661</b>	<b>\$ 3,415,143</b>	<b>\$ (476,482)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 215,228	
Paid to Date:		\$ 7,039	

\*Future appropriation for construction, furniture, equipment (excluding apparatus) - adopted FY16 CIP.  
Current estimate for costs based on FY17 CIP request.

### A/E Contract (DJG, Inc.)

Original Agreement	\$220,223
Approved Changes	\$
Pending Changes	\$ 83,490
<b>TOTAL</b>	<b>\$303,713</b>

### Construction Contract

Bid Award	\$
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$</b>

### A/E Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
<b>PENDING</b> – Bid and construction phase services	\$83,490

### Construction Change Orders:

<u>No. &amp; Brief Description</u>	<u>Amount</u>
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PANTOPS STATION 16 PROJECT BUDGET TRACKER								
	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate	Jul-15	\$ 225,000	\$ 102,611	\$ 2,611,050	\$ 2,938,661		Design and construction of an approximately 8,000 square foot fire/rescue station. Envisioned to include 2 apparatus bays (1 Engine and 1 Ambulance) and support facilities for 6 personnel.	Adopted FY16 CIP
Current Estimate at Completion	Sep-15	\$ 315,713	\$ 100,559	\$ 2,998,871	\$ 3,415,143	\$ 476,482	Updated costs from consultant using final schematic design footprint and including additional costs related to new stormwater requirements; additional A/E services for bid and construction phase.	FY17 CIP Request

## Project: Crozet Avenue North, South Pantops Drive and State Farm Boulevard Sidewalk Improvements

### Description:

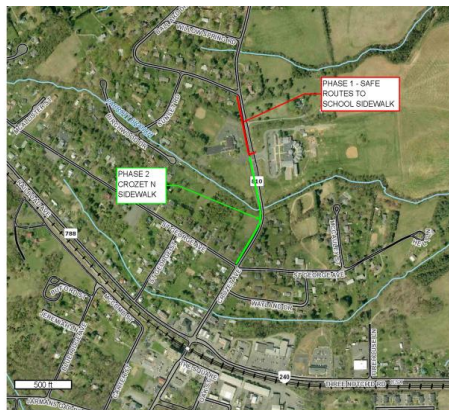
This Virginia Department of Transportation (VDOT) Revenue Sharing project supports pedestrian safety by providing sidewalk improvements along Crozet Avenue North, South Pantops Drive and State Farm Boulevard. The Crozet Avenue North improvements involve replacing or constructing approximately 1100 feet of sidewalk and drainage improvements along the west side of Crozet Avenue from St. George Avenue to Crozet Elementary School. The South Pantops Drive and State Farm Boulevard improvements involve constructing 3500 feet of curb, gutter and sidewalk along the north side of South Pantops Drive and the west side of State Farm Boulevard from Hickman Road to Route 250 to serve residential, business, and commercial establishments.

### Status:

On November 4, 2015, staff presented the Board with four options to move the project forward since bids received in August were over budget. The Board authorized staff to proceed with Option 4 for the State Farm Boulevard sidewalk and the original Crozet Avenue North plans (i.e. no changes to Crozet North). Option 4 reduced the scope for the State Farm Boulevard sidewalk to include the portion of new sidewalk between Rte 250 (Richmond Road) and Hickman Rd, and with the inclusion of the South Pantops Drive sidewalk as an additive alternate (1050 LF total). An Invitation for Bid based on the revised scope was issued on December 10, 2015, and bids are due on January 20, 2016. Assuming bids are favorable, staff anticipates issuing a Notice to Proceed in mid to late March 2016 with substantial completion of the Crozet Avenue North portion in August 2016, the State Farm Boulevard portion in November 2016, and the South Pantops Drive additive alternate, if awarded, in December 2016.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Design Complete	02/14/13	02/28/14	379
Right-of-Way / Easements Complete	03/15/13	11/12/14	607
VDOT Approval to Advertise	04/15/13	06/12/15	788
Readvertise	12/20/15	12/10/15	-10
Bid Opening Date	05/31/13	01/20/16	964
Notice to Proceed / VDOT Approval of Contract	06/30/13	03/25/16	999
Curb & Drainage Complete	08/31/13	06/07/16	1011
Sidewalks Complete	09/30/13	06/30/16	1004
Paving Complete	10/15/13	08/01/16	1021
Substantial Completion	10/15/13	12/01/16	1143



## Project Budget:

	Baseline [August 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 1,894,642	\$ 1,894,642	\$ -
Future Appropriations	\$ -	\$ -	\$ -
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 1,894,642</b>	<b>\$ 1,894,642</b>	<b>\$ -</b>
<b>Use of Funds</b>			
Soft Costs	\$ 623,223	\$ 618,600	\$ 4,623
Hard Costs	\$ 1,155,419	\$ 1,176,493	\$ (21,074)
Contingency	\$ 116,000	\$ 99,549	\$ 16,451
<b>Total</b>	<b>\$ 1,894,642</b>	<b>\$ 1,894,642</b>	<b>\$ -</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 8,232	
Paid to Date:		\$ 499,579	

### A/E Contract (Kimley-Horn & Assoc.)

Combined Agreements \$255,716  
(includes COs thru Aug 2015)

Approved Changes \$

Pending Changes \$

**TOTAL \$**

### Construction Contract

Bid Award \$

Approved Changes \$

Pending Changes \$

**TOTAL \$**

## CROZET AVENUE NORTH, SOUTH PANTOPS DRIVE AND STATE FARM BOULEVARD SIDEWALKS PROJECT BUDGET TRACKER

	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate (COMBINED PROJECTS)	Aug-15	\$ 434,260	\$ 189,070	\$ 1,271,312	\$ 1,894,642		Board approved appropriation in August 2015 combining the project budgets to align with the Revenue Sharing Program award. a) Crozet Avenue North - replacing or constructing approximately 1100 feet of sidewalk and drainage improvements along the west side from Saint George Avenue to Crozet Elementary School. b) South Pantops Drive and State Farm Boulevard - constructing 3500 feet of curb, gutter and sidewalk along the north side of South Pantops Drive and west side of State Farm Boulevard.	Appropriation 2016-011
Current Estimate at Completion (reduced scope)	Nov-15	\$ 429,530	\$ 189,070	\$ 1,276,042	\$ 1,894,642	\$ -	Since bids received in August 2015 were over budget, on 11/4/15 Board authorized staff to re-bid the project with the Crozet North Avenue plans as they are currently, the reduction of the scope of the State Farm Boulevard sidewalk to build only the portion of new sidewalk between Route 250 (Richmond Road) and Hickman Road, and with the inclusion of the South Pantops Drive sidewalk as an additive alternate (1050 total LF).	No change in budget; scope reduction

### Funding Summary

	Date	Amount	Source
Crozet Avenue North	Thru FY07	\$ 19,382	Sidewalk Program
	10/03/07	\$ 104,617	Appropriation #2008-28 (reappropriation process)
	07/11/12	\$ 239,951	Appropriation#2012-085 - "deallocated" Revenue Sharing Program funds
	07/03/13	\$ 383,700	Appropriation #2014-005 - FY13 Revenue Sharing
South Pantops Dr/State Farm Blvd	10/03/07	\$ 512,000	Appropriation #2008-28 (reappropriation process)
	07/03/13	\$ 395,000	Appropriation #2014-005- FY13 Revenue Sharing
Combined Project	8/5/2015	\$ 61,261	Appropriation #2016-011 - MJH at PJP Proffer
	FY13-FY16	\$ 178,730	Project Management Services - appropriations (In FY10, prior to ISF, \$10,340 was paid from project accounts)
		<b>\$ 1,894,641</b>	

## Project: Hydraulic Road and Barracks Road Sidewalk Improvements

### Description:

This Virginia Department of Transportation (VDOT) Revenue Sharing project supports pedestrian safety by providing sidewalk improvements along Hydraulic Road and Barracks Road. The Hydraulic Road sidewalk improvement involves the construction of approximately 1,700 feet of sidewalk on the north side of Hydraulic Road from the existing sidewalk at the Stonefield Shopping Center to Georgetown Road. The Barracks Road sidewalk improvement involves: 1) the construction of approximately 1,000 feet of sidewalk from the Barracks West apartments on the north side of Barracks Road to the existing sidewalk west of the Georgetown Road intersection; and 2) the construction of crosswalks and two segments of sidewalk (650 ft total) on the south side of Barracks Road between the Georgetown Road intersection and Westminster Road, and between S. Bennington Road and the 29/250 Bypass ramps.

### Status:

VDOT authorization to proceed with the right-of-way acquisition phase was received on November 20, 2015. This phase will involve working with 21 property owners to obtain necessary rights-of-way/easements to construct the project. On January 6, 2016, the Board authorized the purchase of necessary rights-of-way/easements for amounts not to exceed just compensation and current budget and authorized the County Executive to sign all documents necessary to complete the acquisitions. Staff and the consultant are proceeding with contacting property owners to meet and begin negotiations. The current schedule shows completing the right-of-way acquisition phase and advertising for bids by the 3rd quarter of calendar year 2016.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Pre-design Complete	10/01/14	01/28/15	119
Design Complete	05/01/15	06/28/16	424
Right-of-Way/Easements and Utilities Complete	04/01/15	07/01/16	457
Advertise Date	05/01/15	07/08/16	434
Bid Opening	06/01/15	07/29/16	424
Notice to Proceed	07/01/15	09/08/16	435
Substantial Completion	12/01/15	06/01/17	548



## Project Budget:

	Baseline [January 2014]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 1,588,600	\$ 2,008,698	\$ (420,098)
Future Appropriations	\$ -	\$ -	\$ -
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 1,588,600</b>	<b>\$ 2,008,698</b>	<b>\$ (420,098)</b>
<b>Use of Funds</b>			
Soft Costs	\$ 617,600	\$ 838,733	\$ (221,133)
Hard Costs	\$ 873,900	\$ 1,095,968	\$ (222,068)
Contingency	\$ 97,100	\$ 73,997	\$ 23,103
<b>Total</b>	<b>\$ 1,588,600</b>	<b>\$ 2,008,698</b>	<b>\$ (420,098)</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 196,951	
Paid to Date:		\$ 382,542	

### A/E Contract (Kimley-Horn)

Original Agreement	\$323,256
Approved Changes	\$ 42,017
Pending Changes	\$
<b>TOTAL</b>	<b>\$365,273</b>

### Construction Contract

Bid Award	\$
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$</b>

### A/E Change Orders:

<b><u>No. &amp; Brief Description</u></b>	<b><u>Amount</u></b>
<u>Hydraulic:</u>	
1 – Support public meeting process	\$13,164
<u>Barracks:</u>	
1 – Cemetery investigation	\$12,736
2 – Utility location services	\$12,844
3 – Additional surveying services	\$ 3,273

## HYDRAULIC ROAD AND BARRACKS ROAD SIDEWALK IMPROVEMENTS PROJECT BUDGET TRACKER

	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Baseline Estimate	May-13	\$ 560,000	\$ 57,600	\$ 971,000	\$ 1,588,600		Supports pedestrian safety by making sidewalk improvements along Hydraulic Road and Barracks Road. Hydraulic Road - construction of approx. 1700 feet of sidewalk on the north side between Commonwealth Drive and Georgetown Road. Barracks Road - 1) construction of approx. 1000 feet of sidewalk on the north side from Barracks West apartments to existing sidewalk west of Georgetown Road intersection; 2) construction of crosswalks and two segments of sidewalk (650 ft total) on the south side between Georgetown Road intersection & Westminster Road, and between South Bennington Road & 29/250 Bypass ramps.	Appropriations
Additional Appropriation to fully fund project	May-15			\$ 400,000	\$ 1,988,600	\$ 400,000	Budget insufficient to support completion of all Barracks Road sidewalk improvements based on current estimates. Appropriation request for additional \$400k approved at 5/6/15 Board meeting.	Appropriation
Project Management Services Adjustment	Jul-15		\$ 20,098		\$ 2,008,698	\$ 420,098	OFD Project Management Services - FY15 reconciliation and FY16 appropriation.	Appropriation
Current Estimate at Completion	Dec-15	\$ 761,035	\$ 77,698	\$ 1,169,965	\$ 2,008,698	\$ -	Right-of-way costs (consultant, purchase) and testing/inspection services included with soft costs.	Current Estimate

Funding Summary			
Date	Amount	Source	
07/03/13	\$ 837,000	Appropriation #2014-005 - FY13 Revenue Sharing & proffer	
10/01/14	\$ 694,000	Appropriation #2015-042 - FY15 Revenue Sharing	
05/06/15	\$ 400,000	Appropriation #2015-092 - Proffer	
FY13-FY16	\$ 77,698	Project Management Services	
<b>TOTAL</b>	<b>\$ 2,008,698</b>		

## Project: Ivy Road Sidewalk Improvements

### Description:

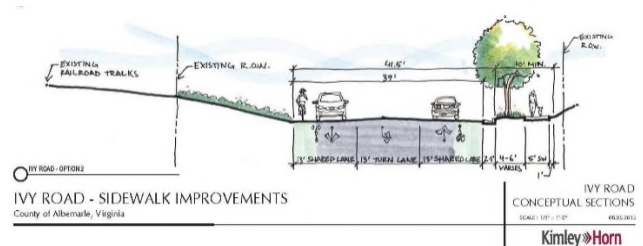
This Virginia Department of Transportation (VDOT) Revenue Sharing project supports pedestrian safety by extending approximately 3,000 feet of sidewalk from the City sidewalk at the Ivy Road/Old Ivy Road intersection westward to the Route 29/250 Bypass, and providing crosswalks, pedestrian signals, bike lanes and/or paved shoulders, curb, and storm drainage improvements, and possibly street trees and pedestrian lighting.

### Status:

The County's consultant, Kimley-Horn & Associates, completed topographic and utility surveys, collected detailed field data for analysis and design, and generated initial design concepts for the road typical cross section. The design concepts were refined into three design options after several agency stakeholder meetings were conducted with County staff and representatives from the City, UVA, and VDOT. The 3 options were presented to the Board on January 6, 2016. Staff recommended proceeding with option 2 after evaluating the options and based on input from the stakeholder meetings. The Board authorized staff to proceed with option 2, design from City limits to Stillfried Lane and phasing of construction to maximize the amount of sidewalk that may be built within budget, contingent upon VDOT approval of a waiver for 11' lanes to allow for an eastbound bike lane. If VDOT does not approve the waiver, staff is to bring the matter back to the Board. Kimley-Horn is proceeding with preparation of the Public Hearing plans and design waiver/exception requests based on option 2.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Pre-design Complete	09/01/15	09/01/15	0
Public Hearing	11/01/15	03/15/16	135
Design Complete	05/01/17	05/01/17	0
Right-of-Way / Easements Complete	01/30/17	02/15/17	16
Utility Relocation Complete	04/30/17	04/30/17	0
Bid Opening Date	08/01/17	08/01/17	0
Notice to Proceed	11/01/17	11/01/17	0
Substantial Completion	09/01/18	09/01/18	0



## Project Budget:

	Baseline [January 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 1,200,000	\$ 1,241,668	\$ (41,668)
Future Appropriations	\$ 145,623	\$ 103,955	\$ 41,668
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 1,345,623</b>	<b>\$ 1,345,623</b>	<b>\$ -</b>
<b>Use of Funds</b>			
Soft Costs	\$ 535,623	\$ 535,623	\$ -
Hard Costs	\$ 720,000	\$ 720,000	\$ -
Contingency	\$ 90,000	\$ 90,000	\$ -
<b>Total</b>	<b>\$ 1,345,623</b>	<b>\$ 1,345,623</b>	<b>\$ -</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 36,368	
Paid to Date:		\$ 106,457	

*\*Future Project Management services.*

### A/E Contract (Kimley-Horn & Associates)

Original Agreement	\$133,956
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$133,956</b>

### Construction Contract

Bid Award	\$
Approved Changes	\$
Pending Changes	\$
<b>TOTAL</b>	<b>\$</b>

### A/E Change Orders:

No. & Brief Description                      Amount

### Construction Change Orders:

No. & Brief Description                      Amount

IVY ROAD SIDEWALK IMPROVEMENTS PROJECT BUDGET TRACKER								
	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Appropriated Budget (Baseline)	Jun-15	\$ 390,000		\$ 810,000	\$ 1,200,000		Extend approximately 3,000 feet of sidewalk from the City sidewalk at the Ivy Road/Old Ivy Road intersection westward to the Route 29/250 Bypass, and providing crosswalks, pedestrian signals, bike lanes and/or paved shoulders, curb, and storm drainage improvements, and possibly street trees and pedestrian lighting	Appropriation 2015-042
Future Project Management Services	Jun-15		\$ 145,623		\$ 1,345,623	\$ 145,623	Estimated OFD Project Management Services cost to manage project	Future ISF Appropriations

## Project: Rio Road, Avon Street, and Route 250W-Crozet Sidewalk Improvements

### Description:

This Virginia Department of Transportation (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 sidewalk on the east side from Swan Lake Drive to Mill Creek Drive and then to Cale Elementary School; and on the east side from Stoney Creek Drive to Arden Drive. The US 250 West-Crozet project will consist of the construction of sidewalk, crosswalks and street lighting from Cory Farms to the Cloverlawn commercial area and Blue Ridge Shopping Center.

### Status:

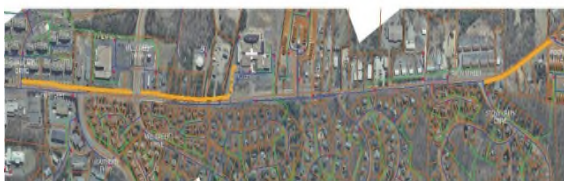
Staff is coordinating preparation of a request to VDOT to split this project into three separate projects. VDOT is supporting the split and separation of the projects will facilitate completion of the individual projects. Public Hearing (40%) Plans and requests for design waivers/exceptions were submitted to VDOT and comments have been received from VDOT on the design waivers. Staff and the consultant are meeting to discuss address of VDOT design waiver comments and strategy moving forward to the public hearings. Current schedule anticipates advertising and conducting the public design hearings by the end of March 2016.

### Project Schedule:

Phase	Baseline Schedule	Actual/Forecast	Variance (days)
Pre-design Complete	03/30/15	03/30/15	0
Public Hearing	05/30/15	03/31/16	306
RW (60%) Design Complete	11/30/15	07/01/16	214
Right-of-Way / Easements Complete	06/30/16	11/01/17	489
Utility Relocation Complete	06/30/16	11/01/17	489
Bid Opening Date	03/01/17	02/15/18	351
Notice to Proceed	04/01/17	04/01/18	365
Substantial Completion	08/01/17	09/15/18	410



**Rio Road**



**Avon Street**



**Route 250 West - Crozet**

## Project Budget:

	Baseline [January 2015]	Current Estimate At Completion	Variance
<b>Funding</b>			
Appropriated to Date	\$ 3,539,272	\$ 3,588,010	\$ (48,738)
Future Appropriations *	\$ 133,644	\$ 84,906	\$ 48,738
Additional Source	\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 3,672,916</b>	<b>\$ 3,672,916</b>	<b>\$ -</b>
<b>Use of Funds</b>			
Soft Costs	\$ 1,206,417	\$ 1,206,469	\$ (53)
Hard Costs	\$ 2,032,069	\$ 2,078,869	\$ (46,800)
Contingency	\$ 434,431	\$ 387,578	\$ 46,853
<b>Total</b>	<b>\$ 3,672,916</b>	<b>\$ 3,672,916</b>	<b>\$ -</b>
<b>Balance = Funding - Costs</b>	<b>\$ -</b>	<b>\$ -</b>	
Encumbered:		\$ 334,362	
Paid to Date:		\$ 175,118	

\*Future Project Management services.

### A/E Contract (Timmons Group)

Original Agreement \$386,800

Approved Changes \$ 14,300

Pending Changes \$

**TOTAL \$401,100**

### Construction Contract

Bid Award \$

Approved Changes \$

Pending Changes \$

**TOTAL \$**

### A/E Change Orders:

**No. & Brief Description** **Amount**

1 – Additional topographic survey \$14,300

### Construction Change Orders:

**No. & Brief Description** **Amount**

# RIO ROAD, AVON STREET, ROUTE 250W-CROZET SIDEWALKS PROJECT BUDGET TRACKER

	Date	Design / Soft Costs	Project Management	Construction (including contingency)	Total	Changes (Baseline vs. Current Estimate)	Scope and Changes	Project Budget Information Source
Appropriated Budget	Jun-15	\$ 1,072,773		\$ 2,466,499	\$ 3,539,272		Support pedestrian safety by providing the following sidewalk/crosswalk improvements: a) Rio Road – sidewalk improvement will connect the Stonehenge residential neighborhood to the John Warner Parkway and Rio Road sidewalk system. b) Avon Street – construction of sidewalk on the east side from Swan Lake Dr. to Mill Creek Dr. and then to Cale Elementary School; and on the east side from Stoney Creek Dr. to Arden Dr. c) US Route 250 West-Crozet – construction of sidewalk, crosswalks and street lighting from Cory Farms to the Cloverlawn commercial area and Blue Ridge Shopping Center.	Appropriation 2015-042 Appropriation 2015-099
Future Project Management Services	Jun-15		\$ 133,644		\$ 3,672,916	\$ 133,644	Estimated OFD Project Management Services cost to manage project	Future ISF Appropriations

**Change Orders Requiring County Executive Office Approval  
January 2015 - December 2015**

Project	Vendor	Contract Type	Amount	CO No.	Scope	Date Approved by CE Office	Reason: >25% or >\$50K
Crozet Avenue North Sidewalk	Kimley-Horn & Associates	Design	\$18,920.00	1	Additional services required to revise the project drawings to account for several design iterations to the SRTS project drawings.	02/20/15	>25%
Four Seasons Forebay - Channel Improvements	Timmons Group	Design	\$4,800.00	2	Additional services required to (1) provide construction stakeout to ensure contractor builds project per design; and (2) provide record survey to ensure project was constructed in accordance with design documents.	02/23/15	>25%
State Farm Boulevard and South Pantops Drive Sidewalk	Kimley-Horn & Associates	Design	\$14,025.00	3	Additional services required to secure right-of-way and temporary construction easements.	02/25/15	>25%
Crozet Avenue North Sidewalk	Kimley-Horn & Associates	Design	\$5,985.00	2	Additional services required to reflect warline relocation required by ACSA.	06/17/15	>25%
State Farm Boulevard and South Pantops Drive Sidewalk	Kimley-Horn & Associates	Design	\$6,465.00	4	Additional right-of-way and easement plat revisions and design revisions changes to accommodate landowner requests.	06/17/15	>25%
Crozet Elementary School Safe Routes to School	Anhold Asscoaites	Design	\$1,710.00	3	Additional stormwater management analysis for the sidewalk to confirm channel adequacy beyond the limits of the project.	07/28/15	>25%
Walton Middle School Masonry Repairs	Eastern Waterproofing & Restoration of Virginia	Construction	\$9,421.00	1	Corrections to unforeseen, in-wall condition	07/31/15	>25%