

FY2018-2023

CAPITAL

Improvement Program

Capital Improvement Program

Total Projected Expenditures by Project Category							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Community Development	\$26,035,083	\$8,925,106	\$9,081,000	\$5,481,400	\$11,377,800	\$11,256,000	\$72,156,389
Education	\$105,776,000	\$191,121,100	\$129,141,100	\$251,478,300	\$96,265,000	\$266,820,000	\$1,040,601,500
Human Services	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Public Safety	\$46,623,715	\$34,462,032	\$11,078,224	\$4,500,000	\$9,500,000	\$9,000,000	\$115,163,971
Technology Improvement	\$8,267,294	\$1,621,247	\$295,000	\$50,000	\$45,000	\$810,000	\$11,088,541
Transportation	\$103,260,359	\$70,513,250	\$23,934,420	\$14,128,560	\$0	\$0	\$211,836,589
Total	\$290,362,451	\$306,642,735	\$173,529,744	\$275,638,260	\$117,187,800	\$287,886,000	\$1,451,246,990



CIP Web Mapping Application

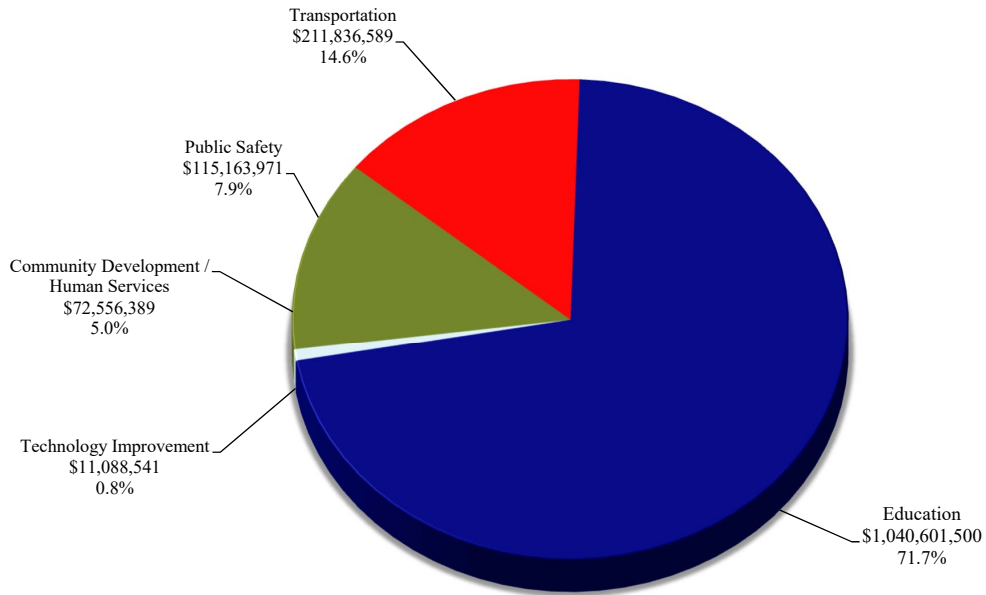
For the FY2018-2023 Capital Improvement Program (CIP) development process, the County has created a CIP mapping application accessible to desktop and mobile devices. Please click the image above to access the mapping tool.

The application allows the community to visualize exactly where CIP projects - such as roads, parks and facilities - are located and planned in the County. The application also provides the project cost and other information about each project. Moving from static pictures in a print and digital document to a mapping environment, simplified and enhanced the distribution of information to the community.

Capital Improvement Program

County Projected Expenditures by Category (FY2018-2023)

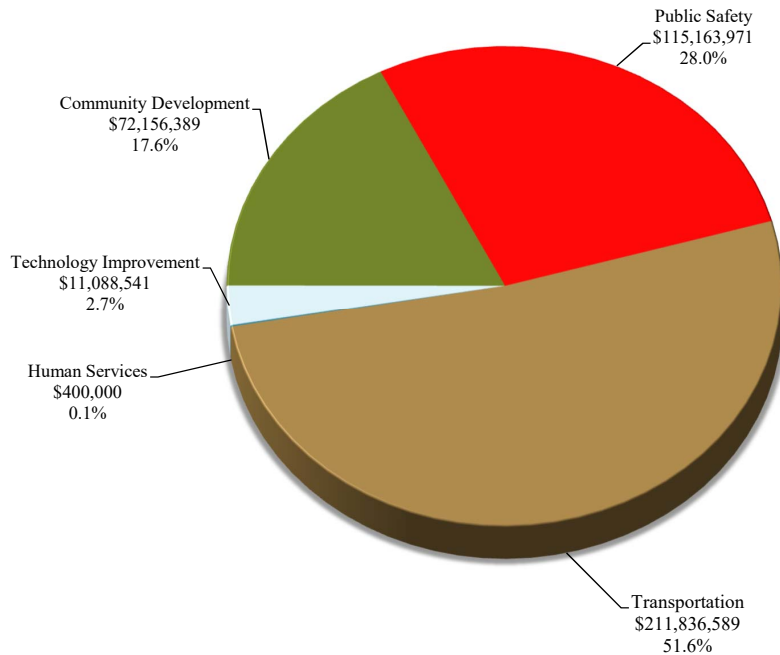
Includes Schools



\$1.45 Billion

County Projected Expenditures by Category (FY2018-2023)

Excludes Schools

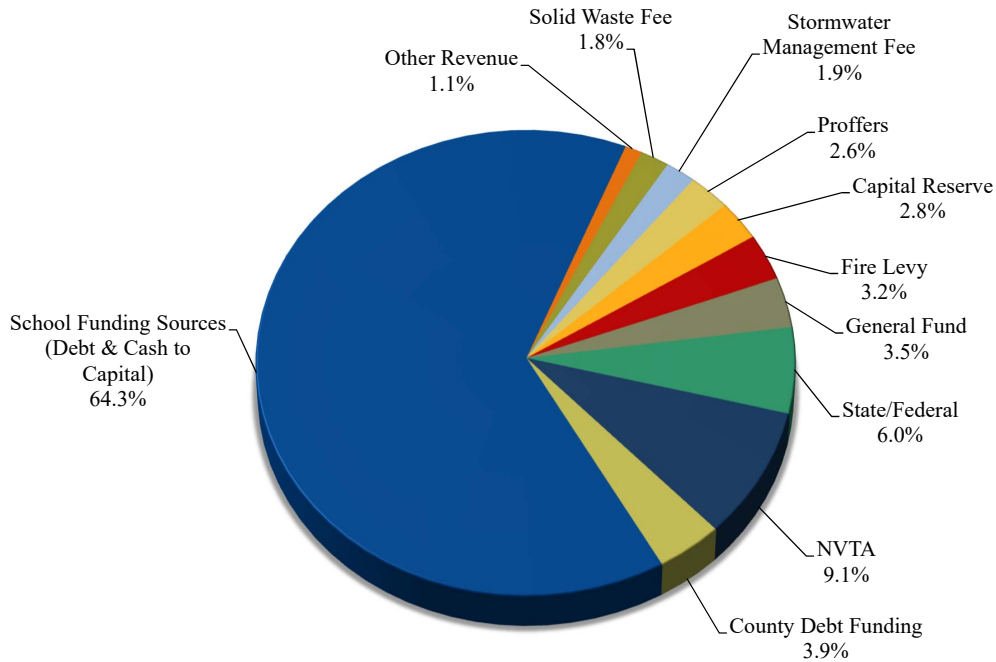


\$410.6 Million

Capital Improvement Program

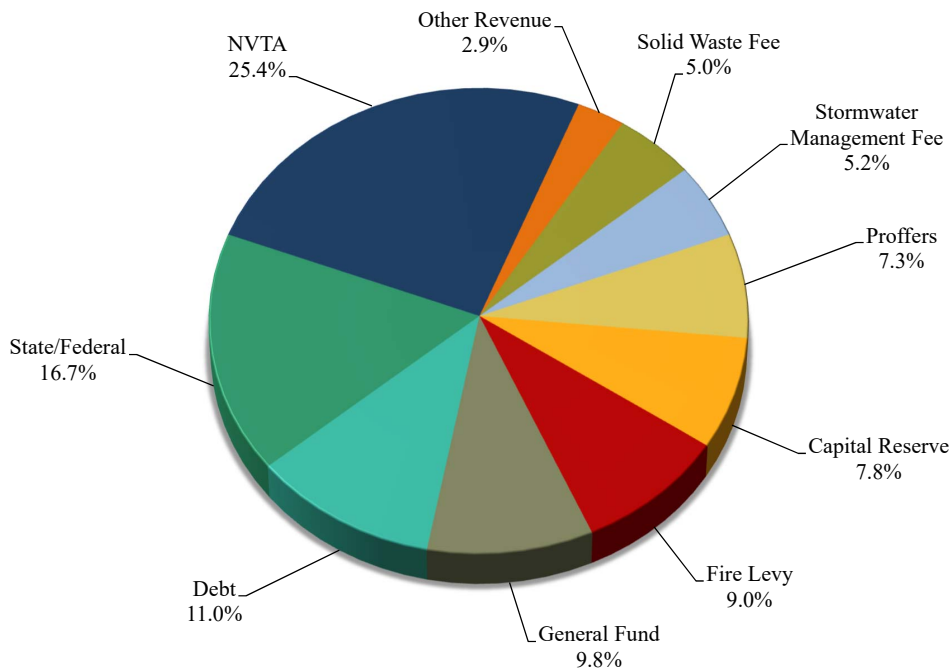
County Funding Source (FY2018-2023)

Includes Schools



County Funding Source (FY2018-2023)

Excludes Schools



Capital Improvement Program

Capital Improvement in Prince William County (PWC)

The PWC financial and program planning ordinance requires that the County Executive prepare a capital plan annually. The development of the [CIP](#) is guided by the Board of County Supervisors' (BOCS) adopted Strategic Plan, Comprehensive Plan, and Principles of Sound Financial Management (PSFM). Together these policy documents require that the CIP:

- Incorporate the goals and strategies of the [Strategic Plan](#);
- Demonstrate an identifiable revenue source for each project;
- Meet the debt financing policies in the [PSFM](#); and
- Integrate County government projects with school projects into one affordable plan.

The capital planning process begins each summer when agencies are asked to update current capital projects and identify capital project needs. Agency submissions are collaboratively evaluated by staff from Finance, Public Works, Information Technology, Transportation, Planning, Management & Budget, and Executive Management. Funding requests are prioritized using criteria that include the relationship to the community's goals as expressed through the County's Strategic and [Comprehensive Plans](#), completion of projects already underway and mandated improvements to County infrastructure, and are then balanced against available funds. Once evaluated, the recommendations are reviewed, modified, and sanctioned by the County Executive.

The CIP is then presented to the BOCS for consideration. During the spring, work sessions and public hearings are held with the Planning Commission and the BOCS as part of the annual budget process. In late April, the BOCS considers and adopts a capital budget for the upcoming fiscal year and a capital plan for six fiscal years.

Annual Capital Project Review

In order to provide the BOCS and the County Executive with regular status reports, capital project updates are reported through:

- Public Works Project Reports,
- Transportation Reports,
- Technology Reports;
- Parks & Recreation Reports, and
- Economic Development Reports.

Reports highlight active projects, major milestones, anticipated completion dates and a narrative explaining the current project status.

In the spring, prior to the start of year-end activity, the Finance Department conducts a review of the capital fund activity. Relevant findings are forwarded to each project manager for feedback. This financial review is an internal control best practice and provides the foresight necessary for the planning process in the subsequent fiscal year.

Capital Improvement Program

The Capital Budget

The capital budget is appropriated on an annual basis and is included in the adopted budget. The FY18 capital projected expenditures for the County government is \$184.6 million. The projected expenditures include previously, FY18 approved, and proposed BOCS appropriations. Funding sources for County projects include the general fund, debt, state/federal, fire levy, stormwater management fees, proffers, the transportation reserve, capital reserve, internal service fund balance, solid waste fees, and development fees. No revenues is anticipated to be generated by projects included in the FY18 capital budget.

Joint County/Schools Capital Process Team

The Team was established in spring 2017. The mission and purpose is to establish more frequent contact and collaboration between the PWC School Board and Prince William Board of County Supervisors (BOCS) in order to discuss capital needs, enhance efficiency in planning processes, and improve service outcomes to the community.

Additional information and documents related to the work of the team can be found online at www.pwcgov.org/jointcip.

The joint process includes two different groups, the Joint Board Committee for Capital (Committee) and the Joint Staff Work Group for Capital (Work Group). The Committee constitutes the decision making body and the Work Group is responsible for supporting the Committee's goals and objectives. Both groups together constitute the Joint County/School Capital Process Team (Team).



Capital Improvement Program

New Projects

- A. **County Projects** - The CIP includes seven new projects. Detail about each of these projects can be found later in this document, below is a brief summary of the projects.

Community Development

- **Building & Facility Capital Program (Parks & Recreation/Public Works)** - This project will address large-scale component replacement or repairs that cannot be accomplished with existing resources. The project is funded by the general capital reserve. This project has a detailed project page in the Community Development section.

Human Services

- **'No Wrong Door' Solution Study (Human Services Agencies)** - This project will explore options to provide more efficient and effective services to human services clients. The project is funded by the general capital reserve.

Public Safety

- **Bennett School/Judicial Center Feasibility Study (Public Works)** - This project will explore options for the Bennett School building adjacent to the Judicial Center. The project is funded by the general capital reserve.
- **Physical Security at County Facilities (Public Works)** - This project will construct physical security structures at County facilities. The project is funded by the general capital reserve.
- **Two Additional Fire & Rescue Stations (Fire & Rescue)** – Two new fire and rescue stations will be constructed in the County at locations to be determined. The project is funded by the fire levy.
- **Public Safety Training Center (PSTC) Master Plan (Police/Fire & Rescue)** - This project will develop a master plan for needed improvements at the PSTC site and identify how to deliver future capital facility needs for training public safety personnel. The project is funded by the general capital reserve.

- B. **Previously Approved County Projects** - The CIP includes the addition of three BOCS approved capital projects, including a project to develop design options for the Animal Shelter, a project to define requirements for a Human Capital Management/Payroll System replacement, and a project to replace the County Courthouse security system. More detail about each of these projects can be found later in this document.

Community Development

Projects included within the Community Development section include Parks & Recreation, Solid Waste, Storm water Management, and Historic Preservation.

- A. **Rollins Ford Park** - This project was established in July 2016 with \$1.8 million received from the sale of an easement added to the project. The scope of the project is to add 5 rectangular lighted and irrigated fields (four soccer and one multi-purpose), an artificial turf soccer stadium with lights, restroom facilities, sufficient parking, a maintenance building, and a playground. The current total estimate for all planned amenities is \$10.7 million. Additional funds will need to be identified before final construction will begin on all planned park amenities.
- B. **Park Land Acquisition** - This project includes \$762,136 supported by developer contributions (proffers) that has been allocated for future land purchase. There are no specific land purchases pending. Land will be purchased to increase open space at some existing parks and preserve open space in developing areas for future parks. Exact locations will be determined by land and funding availability. In FY16, \$1.5 million in funding was shifted from this project to support school field construction and the Long Park waterline improvements.

Capital Improvement Program

- C. Historic Preservation Safety & Maintenance Improvements** - The CIP includes \$128,274 that will fund safety and maintenance improvements at County historic sites. The sites include Brentsville Courthouse and Jail, Rippon Lodge, Bristoe Station Battlefield Park, Ben Lomond, Barnes House, Bushy House, Lucasville School, and Williams Ordinary. The funding is provided by the Historic Preservation Capital Reserve. The planned improvements include:
- **Americans with Disabilities Act (ADA) Improvements** **\$62,274**
 - Accessibility upgrades at Rippon Lodge, Brentsville Courthouse, Williams Ordinary
 - **Rippon Lodge Historic Site** **\$60,000**
 - Roof Replacement
 - **Ben Lomond Historic Site** **\$6,000**
 - Window Repair
- D. Prince William Museum at Rippon Lodge** - In [BOCS Resolution 13-496](#), approved on August 6, 2013, funding was designated for the development of preliminary design and construction documents for a museum focused on the history of PWC. The museum is proposed to be located at the Rippon Lodge historic site in Woodbridge. The current available balance in the project is \$100,349. The Prince William Historic Preservation Foundation has begun fundraising for the museum. In addition, proffer funding is being identified to supplement the prior approved funding to complete the preliminary design documents.

Human Services

Projects included within Human Services include a solutions study.

- A. Human Services ‘No Wrong Door’ Solutions Study** - The CIP includes \$400,000 from the General Capital Reserve for a study to develop solutions to better integrate and coordinate service delivery for human services clients regardless of their entry point. Many individual clients have engagements and seek services from multiple human services agencies making integration across those agencies important for successful outcomes. This solutions study will attempt to identify improvements, operational efficiencies, and reduce complexity to improve client care and delivery of client services.

Public Safety

Projects included within the Public Safety section include Fire & Rescue, Judicial Administration, and Police.

- A. Additional Fire & Rescue Stations to Achieve Enhanced Response to Community** - The CIP includes funding to support the construction of two additional Fire & Rescue stations to enhance emergency response to the community and meet level of service (LOS) standards in the County’s Comprehensive Plan. These additional two stations will join station #22 and #26 (both previously added to the CIP) bringing the total new stations within the six-year plan to four new fire and rescue stations.

The first station is designated Station #27 and its location is to be determined; for planning purposes the preliminary design and construction cost is \$14.0 million with occupancy planned for FY23. The second station does not currently have a designation or location; for planning purposes the preliminary design and construction cost is \$14.0 million with occupancy planned for FY27. Currently, these estimates do not include any cost that may be necessary to acquire land for the stations. All new stations have operating cost impacts, which will be defined as detailed design and construction timetables are developed for both stations. The funding source for the stations will be the fire levy.

- B. Public Safety Training Center Master Plan & Phase 1** - The CIP includes \$400,000 from the General Capital Reserve for the development of a master plan to identify improvements and additions to the Public Safety Training Center (PSTC). The PSTC supports the recruit training of police and fire and rescue personnel

Capital Improvement Program

and ongoing training for active duty personnel. Projected expenditures to construct improvements at the PSTC are planned to begin in FY21 with a detailed timeline and construction schedule to be determined during the master planning process. The adopted Five Year Plan includes an annual \$3 million general fund contribution to implement master plan recommendations beginning in FY22.

- C. Security Assessment and Physical Security Enhancements at County Facilities** - The BOCS previously appropriated \$250,000 to identify security enhancements at the County's McCoart Complex. The security assessment has been completed by a cross-functional team of agencies and funding future projects will be prioritized based on the assessment report.

The CIP includes \$2.0 million from the General Capital Reserve for the construction of physical security features at County facilities as identified in County security assessments.

- D. Public Safety 800 MHz Radio Replacement** - The CIP includes a total of \$997,216 to replace public safety 800 MHz radios. The Adult Detention Center (\$44,232), Fire & Rescue (\$502,998), Police (\$394,029), Public Safety Communications (\$3,174), and the Sheriff's department (\$52,783) all contribute toward replacement. The total amount is a \$108,950 increase over the prior year.
- E. Bennett School/Judicial Center Feasibility Study** - The CIP includes \$400,000 from the General Capital Reserve for development of a feasibility study to review options for the Bennett School to relieve Judicial Center overcrowding. The historic Bennett School building is located adjacent to the County's Judicial Center within the Courthouse Complex.

Transportation

Projects included within the Transportation section include roadway and pedestrian improvements.

- A. Northern Virginia Transportation Authority (NVTA) Funding for Transportation** - The CIP includes new resources as a result of [House Bill 2313](#) which provides additional transportation funding for the Commonwealth of Virginia and the Northern Virginia region. The NVTA is the authorized regional entity responsible for project selection and implementation for the Northern Virginia region, which includes PWC.

Transportation funding benefiting PWC will be split into two categories.

- First, projects with regional congestion relief benefits will be funded by 70% of the NVTA funds.
- Second, the remaining 30% of NVTA funds will be transferred directly to the County for urban or secondary road construction, capital improvements that reduce congestion, projects included in the regional TransAction 2040 plan or its future updates, and/or for public transportation purposes. This funding may be used at the County's discretion.

NVTA Funding Applied to Active Transportation Capital Projects			
Name of Project	NVTA 70%	NVTA 30%	Total
Minnieville Road (Spriggs to Route 234)	\$0	\$19,950,000	\$19,950,000
Neabsco Mills Road (Route 1 to Dale)	\$0	\$6,000,000	\$6,000,000
Route 1 (Featherstone to Marys Way)	\$63,400,000	\$0	\$63,400,000
Route 28 Phase 2 (Infantry to Fitzwater)	\$28,000,000	\$0	\$28,000,000
Route 28 Phase 3 (Pennsylvania to Linton Hall)	\$26,700,000	\$0	\$26,700,000
Total	\$118,100,000	\$25,950,000	\$144,050,000

In FY17, the total NVTA 30% funding was split and provides support to both Virginia Railway Express (VRE) and County managed road construction projects. Additional information about the NVTA 30% funding allocated to VRE can be found in the Community Development, Transit section of the budget document. The specific amounts planned for transfer to VRE included within the six-year CIP include:

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NVTA Transfer to VRE							
Funding Source	FY18	FY19	FY20	FY21	FY22	FY23	TOTAL
NVTA 30% Funding	\$5,363,372	\$6,147,458	\$6,147,458	\$6,331,882	\$6,331,882	\$6,521,838	\$36,843,890

The portion of NVTA allocation dedicated to roads will fund improvements that increase County and regional connectivity throughout the transportation network and help alleviate congestion. The County began receiving funding allocations in FY14. Future road construction funding will be allocated to BOCS approved local road priorities eligible for NVTA local (30%) funding, including:

- Neabsco Mills Road Widening (Route 1 to Dale Boulevard) - *current project in CIP*
- Vint Hill Road Widening (Schaeffer Lane to Sudley Manor Drive) - *current project in CIP*
- University Boulevard (Sudley Manor Drive to Devlin Road)
- Telegraph/Summit School Road (Minnieville Road to existing)
- Van Buren Road (Route 234 to Cardinal Drive)
- Balls Ford Road (Ashton Avenue to Groveton Road)
- Wellington Road (Devlin Road to Route 234 Bypass)

Future NVTA 30% revenues designated for road construction will be allocated as projects are identified.

- B. Satisfying the Commercial & Industrial Tax Requirement of NVTA** - Legislation approving the NVTA funding mechanism requires that jurisdictions implement a commercial and industrial tax or designate an equivalent amount for transportation purposes. The tax or the equivalent must be deposited in a separate, distinct fund. The County has chosen to designate an equivalent with transportation debt service. The budget equivalent amount in FY18 is \$12.5 million.
- C. Route 1/Route 123 Underground Utilities** - In [BOCS Resolution 13-706](#), approved December 3, 2013, the BOCS approved the use of \$12.1 million from the capital reserve and recordation tax revenue fund balance to support the undergrounding of utilities in conjunction with the Virginia Department of Transportation's (VDOT) roadway improvement project at the Route 1/Route 123 intersection in Woodbridge. The funds are provided to VDOT on a reimbursement basis. As of June 1, 2017, \$10.5 million has been provided.
- D. Unallocated Recordation Tax Revenue Growth** - The BOCS has designated future growth of unallocated recordation tax revenue, generated when deeds are recorded, to support transportation projects. In addition, the FY16 year-end recordation tax fund balance is \$3.4 million and is available for transportation projects. Funding will be allocated through the CIP in the future.
- E. Small-Scale Transportation Projects** - The CIP includes a number of small scale safety improvements to County roadway, trail, sidewalk, and other transportation facilities, including:
- **Beverly Mill Restoration** - This project is a pass through contribution to support the restoration work at Beverley Mill (or Chapman's Mill). The total budget for this project is \$213,000.
 - **Blackburn Road Parking & Pedestrian Improvements** - This project will design and construct a paved parking area to accommodate approximately 100 vehicles at Rippon Park and a pedestrian path along Blackburn Road. The total budget for these projects is \$3.2 million.
 - **Dumfries Road Left Turn on Hoadly Road** - This project will enhance the left turn lane from Dumfries Road (Route 234) to Hoadly Road in the Coles Magisterial District. The total budget is \$984,000.
 - **Dumfries Road Shared Use Path North & South** - This project will provide two sections of a pedestrian path along Dumfries Road (Route 234) in the Potomac Magisterial District. The total budget for these projects is \$3.7 million.
 - **Route 28: Godwin Drive Extended Study** - This project is studying options related to extension of Godwin Drive. The total budget is \$2.5 million.
 - **Southampton Pedestrian Improvement** - This project will provide pedestrian path access along Southampton Street in Woodbridge. The total budget is \$530,000.

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- F. Transportation Roadway Improvement Program (TRIP) Contribution** - The CIP includes a one-time contribution from the General Capital Reserve of \$1.6 million to TRIP. Each of the seven magisterial districts will receive \$225,000 in FY18 to support transportation projects. In addition, the FY18 budget included a directive to the County Executive to recommend a source for future TRIP contributions as part of the FY19 budget process.
- G. Six-Year Secondary Road Plan** - The Six-Year Secondary Road Plan is the VDOT method of establishing road improvement priorities and allocating funding for road improvements in the County's secondary road system. Secondary roads are defined as roads with state route numbers of 600 or greater. Each county in Virginia receives a specified amount of formulaic funding for road improvement projects. Funds are reimbursed for previously constructed projects as well as continued progress on current and future road projects.

On June 21, 2016, the BOCS adopted VDOT's FY2017-2022 Six-Year Secondary Road Plan ([BOCS Resolution 16-538](#)). The total FY17-22 allocation is \$899,636. There are several potential roadway improvement projects that may utilize the funding. The following table details the estimated secondary road plan funding in the State's plan:

Six-Year Secondary Road Plan							
Name of Project	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
Six-Year Secondary Road Plan	\$105,838	\$124,801	\$143,563	\$137,976	\$193,729	\$193,729	\$899,636

Projected funding is estimated. Future allocations are contingent upon State funding.

Significant Operating Impacts

Several projects have significant general fund financial impacts in future years of the Five-Year Plan. The following table illustrates both program and facility operating costs (including debt service) along with new personnel (measured in full-time equivalents) resulting from project implementation.

Significant Operating Impacts							
Adult Detention Center Expansion	FY18	FY19	FY20	FY21	FY22	FY23	TOTAL
New Personnel (FTEs)	28.00	45.00	27.00	0.00	0.00	0.00	100.00
Program & Facility Operating	\$1,308,736	\$6,850,754	\$11,337,095	\$11,917,019	\$11,902,019	\$11,902,019	\$55,217,640
Total Operating Costs	\$1,308,736	\$6,850,754	\$11,337,095	\$11,917,019	\$11,902,019	\$11,902,019	\$55,217,640
Central District Police Station	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
New Personnel (FTEs)	5.00	0.00	0.00	0.00	0.00	0.00	5.00
Program & Facility Operating	\$4,212,278	\$4,186,565	\$4,146,765	\$4,099,965	\$4,064,865	\$4,018,065	\$24,728,503
Total Operating Costs	\$4,212,278	\$4,186,565	\$4,146,765	\$4,099,965	\$4,064,865	\$4,018,065	\$24,728,503
Fire & Rescue Station #22	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
New Personnel (FTEs)	0.00	0.00	13.00	16.00	0.00	0.00	29.00
Program & Facility Operating	\$0	\$0	\$2,592,234	\$5,052,073	\$5,021,912	\$4,991,752	\$17,657,971
Total Operating Costs	\$0	\$0	\$2,592,234	\$5,052,073	\$5,021,912	\$4,991,752	\$17,657,971
Fire & Rescue Station #26	FY17	FY18	FY19	FY20	FY21	FY22	TOTAL
New Personnel (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Program & Facility Operating	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$23,292,504
Total Operating Costs	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$23,292,504

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Proffered Parks

Residential and commercial developments often include proffers. Sometimes those proffers include fully constructed park and recreation facilities. Although these facilities are constructed by the developer, with no County funding, there is a need for operating funds to support the ongoing maintenance and operation of the facilities once they are completed.

There are currently three known proffers to construct park facilities, which requires the County to fund operating costs.

Ali Krieger Sports Complex at Potomac Shores

Address: 2400 River Heritage Blvd, Dumfries, VA 22026

Description: Developer proffered to construct fields in the Potomac Shores community along Route 1 in the Potomac Magisterial District. Five fields (one softball & four rectangular) with a comfort station in FY17; one artificial turf field and one tot lot in FY20; two rectangular fields and two Little League fields in FY23.

Estimated operating costs: \$500,000 one-time; \$450,000 ongoing for fields

Completion date: Phased construction began in FY17

Catharpin Park - Additional Fields

Address: 12500 Kyle Wilson Way, Catharpin, VA 20143

Description: Developer proffered to construct two additional fields at Catharpin Park in the Gainesville Magisterial District. Construction currently on hold due to soil issues.

Estimated operating costs: \$220,000 one-time; \$95,000 ongoing

Completion date: Pending

Rollins Ford Park - Soccer Complex

Address: 14500 Rollins Ford Road, Nokesville, VA 20181

Description: Developer proffered to construct soccer stadium for future park in Brentsville Magisterial District. Construction of park facilities is currently on hold.

Estimated operating costs: \$100,000 one-time, \$50,000 ongoing

Completion date: Pending



Ali Krieger Sports Complex
@ Potomac Shores



Catharpin Park
Additional Fields



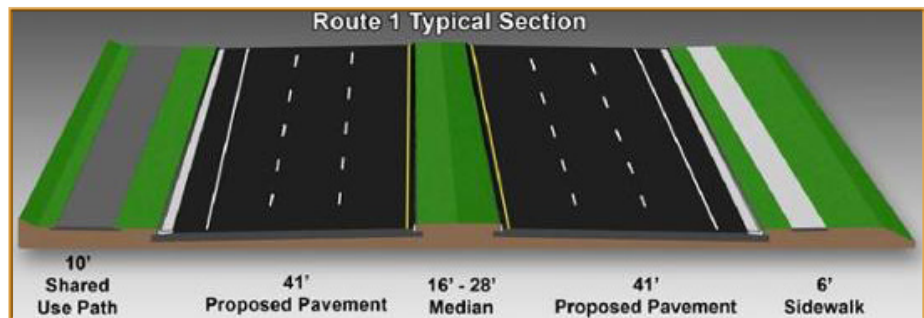
Rollins Ford Park
Soccer Complex

Capital Improvement Program

Other Capital Projects in PWC

There are a number of public projects that add infrastructure to the County but are not managed by the County government, including:

- **VDOT Projects** - VDOT continues work on a number of projects including the Route 1/Route 123 intersection improvements, Route 646 Aden Road bridge replacement, Route 784/Dale Boulevard and I-95 off ramp modifications, bridge rehabilitation on Route 616 /Old Centerville Road, and interchange improvements to I-66/Route 15. In addition, the completed high-occupancy toll lanes public-private partnership project is complete and has helped to alleviate traffic backups on I-95 around Dumfries.



- **Northern Virginia Community College (NVCC) Workforce Development Center** - The center opened in spring 2016 at the Woodbridge Campus and will focus on training for the region's most in-demand jobs, including information technology and cyber security. The County contributed \$1.0 million to assist with design and construction of the center.



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- **The Arc of Greater Prince William/INSIGHT, Inc.** - The Arc is committed to providing opportunities for persons with disabilities to achieve their greatest potential growth and independence. The County provided \$1.0 million over five years (\$200,000 per year in FY12 through FY16) to support the expansion of a facility to provide nursing, physical therapy, enhanced family support and education, nutrition education, and an additional adult day program.



- **Freedom Center and Hylton Performing Arts Center @ Prince William GMU Campus** - The Freedom Aquatic and Fitness Center and the Hylton Performing Arts Center were built through a partnership between PWC, Manassas, and George Mason University. The County contributes funds to support debt service for the fitness center and debt service and capital maintenance at the arts center.



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Completed Capital Improvement Projects

The following projects included in the [FY2017-2022 CIP](#) are scheduled to be completed (or substantially complete) in FY17.

Community Development

Landfill Ballfield Redevelopment - This project renovates existing fields into multi-purpose fields located adjacent to the landfill. Completion occurred in spring 2017.

Silver Lake Dam - This project renovated the existing dam at Silver Lake Park to meet current state standards. The renovation was completed in fall 2016.

Human Services

Human Services Building Renovation - This project renovates an existing human services building to enhance homeless services provided by the Department of Social Services and community partners. Completion occurred in February 2017.

Technology Improvement

E-911 Call Trucking System - This project installed hardware and software infrastructure that supports the receipt of 911 emergency calls. The project was completed in September 2016.

Public Safety Voice Logging System - This project installed hardware and software infrastructure that records all emergency and non-emergency calls into the 911 center and radio traffic on public safety radio channels. The system went live in July 2016.

Tax Management (Administration) System - This project replaces the County's tax management system used to assess, bill, and collect County taxes and issue business licenses. The project was completed in December 2016.

Transportation

Minnieville Road & Prince William Parkway Intersection Improvement - The intersection was improved to enhance traffic flow in conjunction with the recently completed Prince William Parkway widening project. The improvement was completed in December 2016.

Purcell Road Intersection Improvement (Purcell Road & Route 234) - This project realigned and improved its intersection with Route 234 to approximately 0.3 miles east of Vista Brook Drive. The improvement was completed in November 2016.

Route 1 Improvement (Neabsco Mills Road to Featherstone Road) - This project widened Route 1 to a six-lane roadway from Neabsco Mills Road to Featherstone Road, including intersection improvements, bike lanes, and a pedestrian sidewalk. Completion was completed in May 2017.

Route 28 Phase 1 (Linton Hall Road to Vint Hill Road) - This project widened the two-lane roadway to a four and six-lane divided roadway and included the realignment of Vint Hill Road. The improvement was completed in January 2017.

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FY2018-2023 CIP Functional Area Summary

The following tables show projected FY 18-23 capital expenditures by functional area for the County government totaling \$410.6 million. The Schools projected capital expenditures total \$1.04 billion. The combined projected capital expenditures total \$1.45 billion.

FY2018-FY2023 Projected Expenditures							
Community Development							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Park & Recreation							
Broad Run Greenway	\$339,386	\$0	\$0	\$0	\$0	\$0	\$339,386
Catharpin Pk Prof Fields	\$102,099	\$0	\$0	\$0	\$0	\$0	\$102,099
Catharpin Greenway	\$29,538	\$0	\$0	\$0	\$0	\$0	\$29,538
Golf Course Improv	\$0	\$0	\$160,000	\$0	\$160,000	\$0	\$320,000
Hellwig Pk Aux Bldg	\$367,500	\$0	\$0	\$0	\$0	\$0	\$367,500
Lake Ridge Greenway	\$764,337	\$0	\$0	\$0	\$0	\$0	\$764,337
Lake Ridge (Oxford) Boat House	\$12,300	\$0	\$0	\$0	\$0	\$0	\$12,300
Locust Shade Pk Waterline	\$898,790	\$0	\$0	\$0	\$0	\$0	\$898,790
Maint Bldg at Locust Shade	\$650,000	\$0	\$0	\$0	\$0	\$0	\$650,000
Neabco Greenway	\$9,817	\$0	\$0	\$0	\$0	\$0	\$9,817
PHNST-Featherstone	\$516,530	\$0	\$0	\$0	\$0	\$0	\$516,530
PHNST-Neabco Crk Bwalk	\$3,431,317	\$1,127,106	\$0	\$0	\$0	\$0	\$4,558,423
PHNST-Occoquan	\$258,651	\$0	\$0	\$0	\$0	\$0	\$258,651
PShores Sp Complex Improv	\$199,230	\$0	\$0	\$0	\$0	\$0	\$199,230
Tyler Elem Sch Fields	\$11,976	\$0	\$0	\$0	\$0	\$0	\$11,976
Waterworks-Kids Play Area	\$1,803,398	\$0	\$0	\$0	\$0	\$0	\$1,803,398
Subtotal	\$9,394,869	\$1,127,106	\$160,000	\$0	\$160,000	\$0	\$10,841,975
Solid Waste							
Ldfill Caps-Seq 4	\$3,405,000	\$0	\$0	\$0	\$0	\$0	\$3,405,000
Ldfill Caps-Seq 5	\$0	\$0	\$0	\$0	\$5,415,000	\$0	\$5,415,000
Ldfill Liner-Ph 3, Cell A	\$1,078,000	\$2,478,000	\$4,515,000	\$0	\$0	\$0	\$8,071,000
Ldfill Liner-Ph 3, Cell B	\$0	\$0	\$1,078,000	\$1,078,000	\$1,078,000	\$7,005,000	\$10,239,000
Subtotal	\$4,483,000	\$2,478,000	\$5,593,000	\$1,078,000	\$6,493,000	\$7,005,000	\$27,130,000
Watershed Management							
B. Run Str Restr/Retrofit	\$220,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,470,000
Broad Run SWM Retrofit	\$150,000	\$220,000	\$220,000	\$110,000	\$110,000	\$110,000	\$920,000
County Watersheds	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$0	\$1,000,000
Cow Branch Phase 4	\$0	\$0	\$462,000	\$150,000	\$1,860,000	\$300,000	\$2,772,000
Deweys Crk Reach 2	\$2,400,000	\$0	\$0	\$0	\$0	\$0	\$2,400,000
Lakeview Est Drainage Imp	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
Marumscoc Ck SWM Retrofit	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Powell's SS-725 Restr Ph I	\$1,350,000	\$1,900,000	\$1,500,000	\$2,300,000	\$650,000	\$2,500,000	\$10,200,000
SWM Facility 109-WQR	\$0	\$0	\$246,000	\$943,400	\$1,104,800	\$941,000	\$3,235,200
SWM Facility 377-WQR	\$150,000	\$0	\$0	\$0	\$0	\$0	\$150,000
SWM Facility 424-WQR	\$0	\$300,000	\$150,000	\$150,000	\$200,000	\$0	\$800,000
SWM Facility 858-WQR	\$1,350,000	\$300,000	\$150,000	\$150,000	\$200,000	\$0	\$2,150,000
Subtotal	\$5,970,000	\$3,320,000	\$3,328,000	\$4,403,400	\$4,724,800	\$4,251,000	\$25,997,200
Historic Preservation							
HP Maint & Safety	\$187,214	\$0	\$0	\$0	\$0	\$0	\$187,214
Subtotal	\$187,214	\$0	\$0	\$0	\$0	\$0	\$187,214
Building & Facility Capital Program							
Facility Maintenance Projects (TBD)	\$6,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$8,000,000
Subtotal	\$6,000,000	\$2,000,000	\$0	\$0	\$0	\$0	\$8,000,000
Community Development Grand Total	\$26,035,083	\$8,925,106	\$9,081,000	\$5,481,400	\$11,377,800	\$11,256,000	\$72,156,389

FY2018-FY2023 Projected Expenditures							
Human Services							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Human Service Agencies							
HS 'No Wrong Door' Study	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Subtotal	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
Human Services Grand Total	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000

Capital Improvement Program

FY2018-2023 CIP Functional Area Summary (Continued)

FY2018-FY2023 Projected Expenditures							
Public Safety							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Police							
Body Cameras	\$1,627,618	\$0	\$0	\$0	\$0	\$0	\$1,627,618
Central Police Station	\$3,676,000	\$0	\$0	\$0	\$0	\$0	\$3,676,000
PSTC Mstr Plan & P1	\$400,000	\$0	\$0	\$3,000,000	\$3,000,000	\$3,000,000	\$9,400,000
Security at Cty Facilities	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000
Police Projects	\$7,703,618	\$0	\$0	\$3,000,000	\$3,000,000	\$3,000,000	\$16,703,618
Fire & Rescue							
Coles F&R Station Reconstruction	\$5,478,807	\$3,710,026	\$0	\$0	\$0	\$0	\$9,188,833
Gainesville F&R Station Renovation	\$3,521,798	\$0	\$0	\$0	\$0	\$0	\$3,521,798
Nokesville F&R Station Reconstruction	\$3,594,274	\$5,510,388	\$0	\$0	\$0	\$0	\$9,104,662
Station 22 (West End)	\$640,000	\$6,285,000	\$5,425,000	\$0	\$0	\$0	\$12,350,000
Station 26 (Mid-County)	\$1,945,736	\$0	\$0	\$0	\$0	\$0	\$1,945,736
Station 27 (Location TBD)	\$0	\$0	\$500,000	\$1,500,000	\$6,500,000	\$5,500,000	\$14,000,000
Station TBD (Location TBD)	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000
Subtotal	\$15,180,615	\$15,505,414	\$5,925,000	\$1,500,000	\$6,500,000	\$6,000,000	\$50,611,029
Judicial Administration							
ADC Expansion Phase 2	\$20,400,000	\$16,697,136	\$5,153,224	\$0	\$0	\$0	\$42,250,360
Bennett Sch/Jud Ctr Study	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
General District Courtroom No. 6	\$680,000	\$0	\$0	\$0	\$0	\$0	\$680,000
Courthouse Security Sys	\$2,259,482	\$2,259,482	\$0	\$0	\$0	\$0	\$4,518,964
Subtotal	\$23,739,482	\$18,956,618	\$5,153,224	\$0	\$0	\$0	\$47,849,324
Public Safety Grand Total	\$46,623,715	\$34,462,032	\$11,078,224	\$4,500,000	\$9,500,000	\$9,000,000	\$115,163,971

FY2018-FY2023 Projected Expenditures							
Technology Improvement							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Technology Improvements							
800 MHz - TIP	\$1,578,687	\$3,589	\$0	\$0	\$0	\$0	\$1,582,276
Ascend -TIP	\$339,000	\$0	\$0	\$0	\$0	\$0	\$339,000
BCDR - Infrastruc - TIP	\$254,887	\$737,658	\$0	\$0	\$0	\$0	\$992,545
Cable Equipment	\$300,000	\$55,000	\$295,000	\$50,000	\$45,000	\$160,000	\$905,000
CAD - TIP	\$633,617	\$0	\$0	\$0	\$0	\$0	\$633,617
CR Micro Trans - TIP	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
CR Multiplexer - TIP	\$400,000	\$0	\$0	\$0	\$0	\$0	\$400,000
DSS EDMS - TIP	\$445,950	\$0	\$0	\$0	\$0	\$0	\$445,950
Energov Phase 3 - TIP	\$183,000	\$0	\$0	\$0	\$0	\$0	\$183,000
EnerGov Phases 1&2- TIP	\$968,650	\$0	\$0	\$0	\$0	\$0	\$968,650
HR EDMS - TIP	\$282,000	\$0	\$0	\$0	\$0	\$0	\$282,000
HRMS Replacement - TIP	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000
INET (Cable) - TIP	\$312,000	\$0	\$0	\$0	\$0	\$650,000	\$962,000
Jail Mgmt Sys Med - TIP	\$8,098	\$0	\$0	\$0	\$0	\$0	\$8,098
Jail Mgmt Sys Ops - TIP	\$264,396	\$0	\$0	\$0	\$0	\$0	\$264,396
PS RM/EMSS - TIP	\$961,292	\$825,000	\$0	\$0	\$0	\$0	\$1,786,292
Qmatic Repl - TIP	\$200,000	\$0	\$0	\$0	\$0	\$0	\$200,000
Sheriff Info Sys - TIP	\$60,717	\$0	\$0	\$0	\$0	\$0	\$60,717
Technology Improvement Grand Total	\$8,267,294	\$1,621,247	\$295,000	\$50,000	\$45,000	\$810,000	\$11,088,541

Capital Improvement Program

FY2018-2023 CIP Functional Area Summary (Continued)

FY2018-FY2023 Projected Expenditures							
Transportation							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Transportation							
Antietam Rd Swlk	\$583,676	\$0	\$0	\$0	\$0	\$0	\$583,676
Beverly Mill Restoration	\$116,504	\$48,251	\$0	\$0	\$0	\$0	\$164,755
Blackburn Rd Improv	\$1,332,500	\$0	\$0	\$0	\$0	\$0	\$1,332,500
Blackburn Rd Use Path	\$1,399,489	\$513,844	\$0	\$0	\$0	\$0	\$1,913,333
Dumfries Rd Lt to Hoadly	\$874,776	\$0	\$0	\$0	\$0	\$0	\$874,776
Dumfries Rd Path - N	\$750,000	\$0	\$0	\$0	\$0	\$0	\$750,000
Dumfries Rd Path - S	\$340,000	\$340,000	\$0	\$0	\$0	\$0	\$680,000
Fuller-Fuller Heights	\$992,046	\$2,314,779	\$0	\$0	\$0	\$0	\$3,306,825
Minnieville: Spriggs-234	\$16,592,148	\$6,913,247	\$0	\$0	\$0	\$0	\$23,505,395
Neabsco Mills Rd Widening	\$5,507,040	\$8,162,844	\$6,046,420	\$6,628,560	\$0	\$0	\$26,344,864
Old Bridge Rd Swlk	\$228,376	\$0	\$0	\$0	\$0	\$0	\$228,376
Powells Creek Pedestrian Bridge	\$519,940	\$0	\$0	\$0	\$0	\$0	\$519,940
Rt 1: Featherstone-Marys	\$39,105,008	\$20,880,114	\$9,000,000	\$7,500,000	\$0	\$0	\$76,485,122
Rt 28: Godwin Dr Ext Sty	\$853,450	\$853,450	\$0	\$0	\$0	\$0	\$1,706,900
Rt 28: Phase 2 (Infantry-Fitzwater)	\$19,601,784	\$12,881,784	\$0	\$0	\$0	\$0	\$32,483,568
Rt 28: Phase 3 (Penn-Linton Hall)	\$5,076,000	\$11,946,000	\$8,888,000	\$0	\$0	\$0	\$25,910,000
Southampton Ped Improv	\$392,684	\$0	\$0	\$0	\$0	\$0	\$392,684
Vint Hill Rd Improv	\$8,994,938	\$5,658,937	\$0	\$0	\$0	\$0	\$14,653,875
Transportation Grand Total	\$103,260,359	\$70,513,250	\$23,934,420	\$14,128,560	\$0	\$0	\$211,836,589

FY2018-FY2023 Projected Expenditures							
Education							
	FY18	FY19	FY20	FY21	FY22	FY23	FY18-23
Education							
Pattie Elementary School Addition (10 rooms) ⁽³⁾	\$12,200,000	\$0	\$0	\$0	\$0	\$0	\$12,200,000
Site Acquisition Funding - 14th High School	\$14,000,000	\$0	\$0	\$0	\$0	\$0	\$14,000,000
Lake Ridge Middle School Addition (13 rooms)	\$12,937,000	\$0	\$0	\$0	\$0	\$0	\$12,937,000
Independence Non-Traditional School	\$35,850,000	\$0	\$0	\$0	\$0	\$0	\$35,850,000
East Area Intake/ELL Relocation from Ann Ludwig	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000
River Oaks Elementary School	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000
Westridge Elementary School	\$98,000	\$0	\$0	\$0	\$0	\$0	\$98,000
Lake Ridge Middle School Renewal	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$2,600,000
Saunders Middle School Renewal	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$2,600,000
Prince William Parkway Elementary School	\$0	\$32,686,000	\$0	\$0	\$0	\$0	\$32,686,000
Antietam Elementary School Addition (13 rooms)	\$0	\$10,384,000	\$0	\$0	\$0	\$0	\$10,384,000
Lake Ridge Elementary School Addition (13 rooms)	\$0	\$10,884,000	\$0	\$0	\$0	\$0	\$10,884,000
Springwoods Elementary School Addition (13 rooms)	\$0	\$11,884,000	\$0	\$0	\$0	\$0	\$11,884,000
Leesylvania Elementary School Addition (4 rooms)	\$0	\$6,900,000	\$0	\$0	\$0	\$0	\$6,900,000
Minnieville Elementary School Addition (10 rooms)	\$0	\$12,043,000	\$0	\$0	\$0	\$0	\$12,043,000
Stonewall Middle School Addition (17 rooms)	\$0	\$17,132,000	\$0	\$0	\$0	\$0	\$17,132,000
Special Needs Trans Center @ New Dominion	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000
Western Bus Facility	\$0	\$12,500,000	\$0	\$0	\$0	\$0	\$12,500,000
Site Acquisition Funding - 15th High School	\$0	\$15,000,000	\$0	\$0	\$0	\$0	\$15,000,000
Renewal of Various Schools (Bond-Funded portion)	\$0	\$11,631,100	\$0	\$0	\$0	\$0	\$11,631,100
Middle School (East - Potomac Shores)	\$0	\$0	\$67,328,000	\$0	\$0	\$0	\$67,328,000
Renewal of Various Schools (Bond-Funded portion)	\$0	\$0	\$10,352,100	\$0	\$0	\$0	\$10,352,100
Elementary School (Cherry Hill Area) ⁽¹⁾	\$0	\$0	\$0	\$35,383,000	\$0	\$0	\$35,383,000
13th High School (West) ⁽¹⁾	\$0	\$0	\$0	\$133,400,000	\$0	\$0	\$133,400,000
Renewal of Various Schools (Bond-Funded portion)	\$0	\$0	\$0	\$27,658,300	\$0	\$0	\$27,658,300
Elementary School (Stonewall/Yorkshire Area) ⁽¹⁾	\$0	\$0	\$0	\$0	\$37,156,000	\$0	\$37,156,000
Elementary School (Ocoquan/Woodbridge Area) ⁽¹⁾	\$0	\$0	\$0	\$0	\$0	\$39,018,000	\$39,018,000
14th High School (Mid-County) ⁽¹⁾	\$0	\$0	\$0	\$0	\$0	\$143,442,000	\$143,442,000
Renewal of Various Schools (Bond-Funded portion)	\$0	\$0	\$0	\$0	\$0	\$21,207,000	\$21,207,000
Additional Renewals & Repairs ⁽²⁾	\$17,491,000	\$48,077,000	\$51,461,000	\$55,037,000	\$59,109,000	\$63,153,000	\$294,328,000
Education Grand Total	\$105,776,000	\$191,121,100	\$129,141,100	\$251,478,300	\$96,265,000	\$266,820,000	\$1,040,601,500

Note: The education projects are based on the Prince William County Schools approved FY 2018-2027 Capital Improvements Program available at www.pwcs.edu.

- (1) Sites needed by proffer or purchase, current CIP does not include land acquisition funds.
- (2) Primarily funded on cash basis, with a portion or renewals and repairs covered with bond funding.
- (3) Includes consolidation/building renovation at Washington-Reid Elementary School.

Capital Improvement Program

Proffer Integration

PWC integrates developer contributions, or proffers, into the CIP. Proffers are contributions of land, capital improvements, and funding (monetary proffers) from developers to address the demand for community services created by new development. Including identified monetary proffers as funding sources for CIP projects reduces general tax support and makes projects more affordable for the community. The CIP includes \$837,599 in monetary proffers for projects.

	Prior Proffers	FY18 Proffer Identified	Total Proffer Funding
Park & Recreation			
Broad Run Trail	\$484,782	\$0	\$484,782
Catharpin Pk Prof Fields	\$102,099	\$0	\$102,099
Hellwig Pk Aux Bldg	\$717,500	\$0	\$717,500
Lake Ridge Trail	\$555,506	\$0	\$555,506
Neabsco Trail	\$55,558	\$0	\$55,558
PHNST-Featherstone	\$50,000	\$0	\$50,000
PHNST-Neabsco Crk Bwalk	\$2,984,854	\$0	\$2,984,854
PShores Sp Complex Improv	\$729,297	\$0	\$729,297
Waterworks-Kids Play Area	\$916,592	\$0	\$916,592
Subtotal	\$6,596,188	\$0	\$6,596,188
Fire and Rescue			
Coles F&R Station	\$762,596	\$460,953	\$1,223,549
Gainesville F&R Station	\$231,150	\$0	\$231,150
Nokesville F&R Station	\$1,556,237	\$303,463	\$1,859,700
Station 26 F&R Station	\$1,260,824	\$73,183	\$1,334,007
Police			
Central Police Station	\$1,086	\$0	\$1,086
Subtotal	\$3,811,893	\$837,599	\$4,649,492
Transportation			
Antietam Rd Swlk	\$899,611	\$0	\$899,611
Blackburn Rd Improv	\$1,100,000	\$0	\$1,100,000
Blackburn Rd Use Path	\$2,100,000	\$0	\$2,100,000
Dumfries Rd Lt to Hoadly	\$984,000	\$0	\$984,000
Dumfries Rd Path - N	\$2,000,000	\$0	\$2,000,000
Dumfries Rd Path - S	\$800,000	\$0	\$800,000
Fuller-Fuller Heights	\$767,683	\$0	\$767,683
Minnieville: Spriggs-234	\$3,724,852	\$0	\$3,724,852
Rt 28: Phase 2	\$5,603,567	\$0	\$5,603,567
Southampton Ped Improv	\$530,000	\$0	\$530,000
Vint Hill Rd Improv	\$7,472,391	\$0	\$7,472,391
Subtotal	\$25,982,104	\$0	\$25,982,104
Grand Total	\$36,390,185	\$837,599	\$37,227,784

Capital Improvement Program

Operating Impacts

The development and implementation of capital projects in PWC are accompanied by significant on-going operating costs. Operating impacts include new costs that result from the construction of new capital assets and can include program, facility, personnel and debt services costs associated. Operating funds are programmed into the Five-Year Plan and are budgeted when the project is completed and the improvement becomes a usable asset. Transportation maintenance costs are the responsibility of VDOT upon acceptance into the state system. As illustrated in the following table, the FY18-23 operating impact of the CIP is \$168.6 million.

Operating Impacts							
Project	FY18 Facility and Program Operating	FY19 Facility and Program Operating	FY20 Facility and Program Operating	FY21 Facility and Program Operating	FY22 Facility and Program Operating	FY23 Facility and Program Operating	Total
800 MHz - TIP	\$1,132,308	\$1,154,987	\$1,238,345	\$1,263,678	\$1,289,600	\$1,316,431	\$7,395,349
ADC Expansion Phase 2	\$1,470,490	\$7,078,715	\$11,564,383	\$12,145,471	\$12,129,861	\$11,930,661	\$56,319,581
Animal Shelter Expansion	\$0	\$0	\$1,818,375	\$2,442,504	\$1,972,263	\$1,972,263	\$8,205,405
Ascend - TIP	\$954,662	\$965,232	\$978,174	\$991,219	\$1,004,656	\$1,019,568	\$5,913,511
BCDR - Infrastruc - TIP	\$8,578	\$8,578	\$8,578	\$8,578	\$8,578	\$8,578	\$51,468
Body Cameras	\$170,702	\$843,519	\$843,519	\$843,519	\$843,519	\$843,519	\$4,388,297
CAD - TIP	\$1,174,724	\$1,365,056	\$1,419,077	\$1,476,214	\$1,531,213	\$1,588,300	\$8,554,584
Central Police Station	\$4,212,278	\$4,186,565	\$4,146,765	\$4,099,965	\$4,064,865	\$4,018,065	\$24,728,503
DSS EDMS - TIP	\$79,000	\$82,000	\$84,000	\$86,000	\$89,000	\$92,560	\$512,560
EnerGov Phase 1&2- TIP	\$231,410	\$231,410	\$241,325	\$251,736	\$264,322	\$277,538	\$1,497,741
Energov Phase 3 - TIP	\$0	\$18,000	\$18,900	\$19,845	\$20,837	\$21,879	\$99,461
F&R Station 22 (West End)	\$0	\$1,116,000	\$2,351,000	\$4,841,000	\$4,841,000	\$4,841,000	\$17,990,000
F&R Station 26 Station	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$3,882,084	\$23,292,504
HR EDMS - TIP	\$15,000	\$15,600	\$16,224	\$16,873	\$17,548	\$18,250	\$99,495
Jail Mgmt Sys Med - TIP	\$13,008	\$13,008	\$13,008	\$13,008	\$13,008	\$13,008	\$78,048
Jail Mgmt Sys Ops - TIP	\$59,200	\$61,568	\$64,031	\$66,592	\$69,256	\$72,026	\$392,673
PS RM/EMSS - TIP	\$1,174,724	\$1,365,056	\$1,419,077	\$1,476,214	\$1,531,213	\$1,588,300	\$8,554,584
Qmatic Repl - TIP	\$0	\$11,000	\$15,000	\$16,000	\$17,000	\$18,000	\$77,000
Sheriff Info Sys - TIP	\$19,284	\$20,249	\$21,261	\$22,325	\$23,441	\$24,613	\$131,173
Waterworks-Kids Play Area	\$54,693	\$53,303	\$51,758	\$50,213	\$48,668	\$47,123	\$305,758
Total	\$14,652,145	\$22,471,930	\$30,194,884	\$34,013,038	\$33,661,932	\$33,593,766	\$168,587,695

Operating Impacts - Debt Service

Financing capital projects through debt requires on-going debt service payments throughout the life of the six-year CIP. The following table breaks out debt service costs as a component of operating impacts for capital projects. The FY18-23 debt service impact of the CIP is \$32.5 million.

Debt Service Impacts							
	FY18 Debt Service	FY19 Debt Service	FY20 Debt Service	FY21 Debt Service	FY22 Debt Service	FY23 Debt Service	Total
ADC Expansion Phase 2	\$0	\$2,029,600	\$1,988,000	\$1,946,400	\$1,904,800	\$1,705,600	\$9,574,400
Animal Shelter Expansion	\$0	\$0	\$1,118,375	\$1,089,519	\$1,060,663	\$1,060,663	\$4,329,220
Central Police Station	\$2,045,750	\$2,016,500	\$1,969,700	\$1,922,900	\$1,887,800	\$1,841,000	\$11,683,650
F&R Station 22 (West End)	\$0	\$0	\$1,357,234	\$1,327,073	\$1,296,912	\$1,266,752	\$5,247,971
F&R Station 27 (TBD)	\$0	\$0	\$0	\$0	\$0	\$1,330,000	\$1,330,000
Waterworks-Kids Play Area	\$54,693	\$53,303	\$51,758	\$50,213	\$48,668	\$47,123	\$305,758
Total	\$2,100,443	\$4,099,403	\$6,485,067	\$6,336,105	\$6,198,843	\$7,251,138	\$32,470,999

Capital Improvement Program

Infrastructure and Facilities Plan Comprehensive Plan Unfunded Projects

The following facilities are identified in the County's [Comprehensive Plan](#) but are not currently funded in the six-year CIP. Other unfunded capital needs are listed in the Budget Development section of this document.

Unfunded Needs in the Comprehensive Plan	
Section/Facility/Location	Number
Fire and Rescue¹	
■ Area One - Brentsville/Gainesville Districts	2 Stations
■ Area Two - Brentsville/Gainesville Districts	1 Station
■ Area Three - Brentsville/Potomac Districts	2 Stations
■ Area Four - Brentsville/Coles/Neabsco/Occoquan Districts	4 Stations
Total	9 Stations
Libraries	
■ Library Facility - Braemar	1 Library
■ Library Facility - Southbridge	1 Library
Total	2 Libraries
Parks/Open Spaces	
■ Neighborhood Park	288 Acres
■ Community Park	1,299 Acres
■ Regional Park	1,199 Acres
■ Linear/Resource Based Park	1,538 Acres
Total	4,324 Acres
Telecommunication Monopole or Tower Sites	
■ Bull Run Mountain	2 Facilities
■ Cherry Hill	1 Facility
■ Green Valley Water Tank Vicinity	1 Facility
■ H.L. Mooney Plant	1 Facility
■ Locust Shade Park	1 Facility
■ Old Antioch School Site	1 Facility
■ Sudley North	1 Facility
Total	8 Facilities

Notes:

1. Unfunded Fire & Rescue needs may be mitigated depending on the location of the two new fire & rescue stations added in the FY18-23 CIP.

Capital Improvement Program

Transportation Unfunded Projects

The following roadways are identified in the County's [Comprehensive Plan](#) as existing or projected needs but are not currently funded in the six-year CIP.

FACILITY	TERMINI
Aden Rd	Rt-28 to Rt-234
Artemus Rd	Rt-15 to Rt-234 Bypass (North)
Bristow Rd	Rt-28 to Rt-234
Catharpin Rd	Rt-234 to Heathcote Dr
Catharpin Rd	Heathcote Dr to Rt-55
Cherry Hill Spine Rd	Congressional Way to end
Cockpit Point Connector Rd	Congressional Way to Cockpit Point Rd
Coverstone Dr	Ashton Ave to Rt-234 Business
Dale Blvd	Benita Fitzgerald Blvd to I-95
Devlin Rd	Linton Hall Rd to Wellington Rd
Farm Creek Rd	Featherstone Rd to Rippon Blvd
Fauquier Dr	Fauquier Co to Rt-28
Featherstone Rd	Rt-1 to Farm Creek Rd
Fitzwater Dr	Rt-28 to Aden Rd
Fleetwood Dr	Fauquier Co to Aden Rd
Gideon Dr	Dale Blvd to Smoketown Rd
Groveton Rd	Pageland La to Balls Ford Rd
Gum Springs Rd	Loudoun Co to Rt-234
Haymarket Bypass	Rt-15 to Rt-29
Haymarket Dr	Thoroughfare Rd to Old Carolina Rd
Hornbaker Rd	Wellington Rd to Shallow Creek
Horner Rd	Prince William Pkwy to Rt-123
I-66	Rt-15 to Rt-29
I-95	Fairfax Co to Rt-234
I-95	Rt-234 to Stafford Co
Longview Dr/Montgomery Ave	Prince William Pkwy to Opitz Blvd
Lucasville Rd	Manassas to Bristow Rd
McGraws Corner Dr	Somerset Crossing Dr to Rt-55
Neabsco Mills Rd	Opitz Blvd to Rt-1
Neabsco Rd	Rt-1 to end
Old Carolina Rd	Rt-15 to Heathcote Blvd
Old Carolina Rd	Heathcote Blvd to Rt-29
Old Centreville Rd	Fairfax Co to Rt-28
Opitz Blvd	Gideon Dr to Rt-1
Pageland La	Rt-234 to Groveton Rd

FACILITY	TERMINI
Potomac Pkwy	Rt-1 to Cherry Hill Spine Rd
Powells Creek Blvd	Rt-1 to River Ridge Blvd
Prince William Pkwy	Hoadly Rd to Caton Hill Rd
Rippon Blvd	Rt-1 to Farm Creek Rd
Rixlew La	Wellington Rd to Rt-234 Business
Rollins Ford Rd	Rt-215 to University Blvd
Rt-1 (Jefferson Davis Hwy)	Brady's Hill to Dale Bld
Rt-1 (Jefferson Davis Hwy)	Featherstone Rd to Rt 123
Rt-15 (James Madison Hwy)	Loudoun Co to Rt 234
Rt-15 (James Madison Hwy)	Rt 29 to I-66
Rt-215 (Vint Hill Rd)	Fauquier Co to Rt-28
Rt-234 (Prince William Pkwy)	Rt-28 to Rt-234 (Dumfries Rd)
Rt-234 (Prince William Pkwy)	Rt-28 to I-66
Rt-28 (Nokesville Rd)	Fitzwater Dr to Fauquier County
Rt-29 (Lee Hwy)	Fauquier Co to Virginia Oaks Dr
Rt-29 (Lee Hwy)	Heathcote Dr to Rt 234 Bypass
Signal Hill Rd	Liberia Ave to Signal View Dr
Smoketown Rd	Minnieville Rd to Gideon Dr
Smoketown Rd	Griffith Ave to Old Bridge Rd
Summit School Rd	Minnieville Rd to Telegraph Rd
Telegraph Rd	Summit School Rd to Caton Hill Rd
Telegraph Rd	Caton Hill Rd to Prince William Pkwy
Telegraph Rd	Minnieville Rd to Summit School Rd
Van Buren Rd (North)	Cardinal Dr to Rt-234
Van Buren Rd (South)	Rt-234 to Mine Rd
Waterfall Rd	Mill Creek Rd to Rt-15
Waterway Dr	Rt-234 to Cardinal Dr
Wayside Dr	Rt-1 to Congressional Way
Wellington Rd	Rt-29 to Godwin Dr
Williamson Blvd	Rt-234 Business to Portsmouth Rd
Yates Ford Rd	Davis Ford Rd to Fairfax Co

Notes:

- This list only includes major roadways. Lesser roadways, minor collectors, and local streets are addressed through the County's [Design and Construction Standards Manual \(DCSM\)](#).
- This list is sorted alphabetically. For a list sorted by functional road classification (including Interstate, Parkway, Principal Arterial, Minor Arterial or Major Collector), please see the [Thoroughfare Plan Map](#) in the County's Comprehensive Plan.



Community Development
PROJECTS

Building & Facility Capital Program

Total Project Cost - \$8.0M

Project Description

The CIP provides funding from the General Capital Reserve for building and facility maintenance needs. The new Building & Facility Capital Program will address large-scale component replacement or repairs that cannot be accomplished with existing resources. The program will invest in existing capital assets to extend the life of facilities and better serve the community.

The current maintenance budget provides some preventative and minor repairs; however, a lack of resources imposes a backlog of deferred replacement projects. This lack of resources forces a reactive management strategy that can increase safety risk, makes planning difficult, can result in higher levels of damage to facilities, result in higher repair costs, increase environmental risk, and risks greater facility downtime.

The County manages 180 buildings and park sites with a replacement value of almost \$600 million. Many of the facilities are 20+ years old and all of the facilities require maintenance. Public Works and Parks & Recreation are the County's primary facility owners. Maintenance ensures that County amenities are in good condition for community use and enhances the facilities useful life to maximize taxpayer investment.

Industry best practice allots 2-3% of replacement value for component (cyclic) system replacement. This would translate to approximately \$8.8 million to \$13.3 million per year. The existing budget includes \$2.1 million annually to address cyclic facility maintenance needs. Each year agencies are forced to make choices and sometimes delay required facility maintenance due to scarcity of funding.

The County's PSFM supports investing in maintenance of facilities in Policy 4.06 stating, "The County will invest in ongoing, cyclical maintenance of existing capital assets..."

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

with the goal of extending the life of facilities and assets.”

Existing facility maintenance needs for the next five years identified for Parks & Recreation facilities (\$9.3 million) and Public Works facilities (\$6.1 million) total \$15.4 million. These are facility needs that do not currently have identified funding sources. In preparation for proposing this program, agencies identified a list of candidate projects totaling \$10.7 million.

The potential types of large-scale facility maintenance projects include:

- Replace heating, A/C and water pump equipment
- Resurface parking lots and sidewalks
- Maintain buildings and structures (i.e. roofing, exterior, backup generators, security features)
- Maintain hardscaping (i.e. correcting erosion issues)
- Replace field lights and maintain and improve existing field surfaces
- Replace playground equipment and recreational amenities

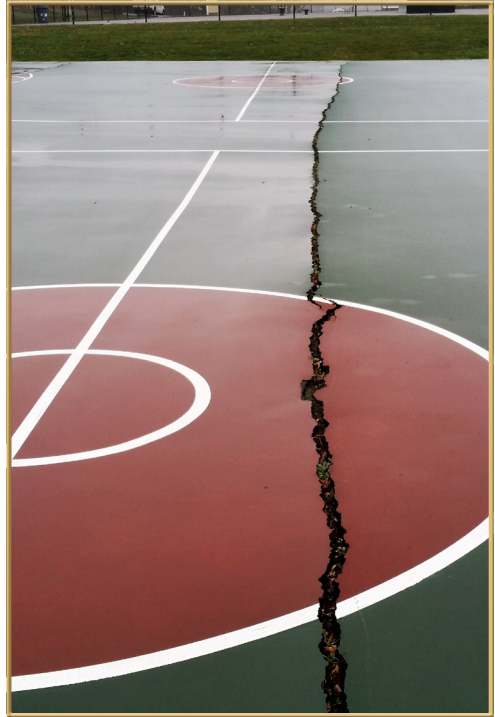
Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Capital Reserve	8,000	-	-	8,000	-	-	-	-	-	8,000	-
Total Revenue	\$8,000	-	-	\$8,000	-	-	-	-	-	\$8,000	-

Cost Categories (Expenditures)	8,000	-	-	6,000	2,000	-	-	-	-	8,000	-
Construction	8,000	-	-	6,000	2,000	-	-	-	-	8,000	-
Total Expenditure	\$8,000	-	-	\$6,000	\$2,000	-	-	-	-	\$8,000	-

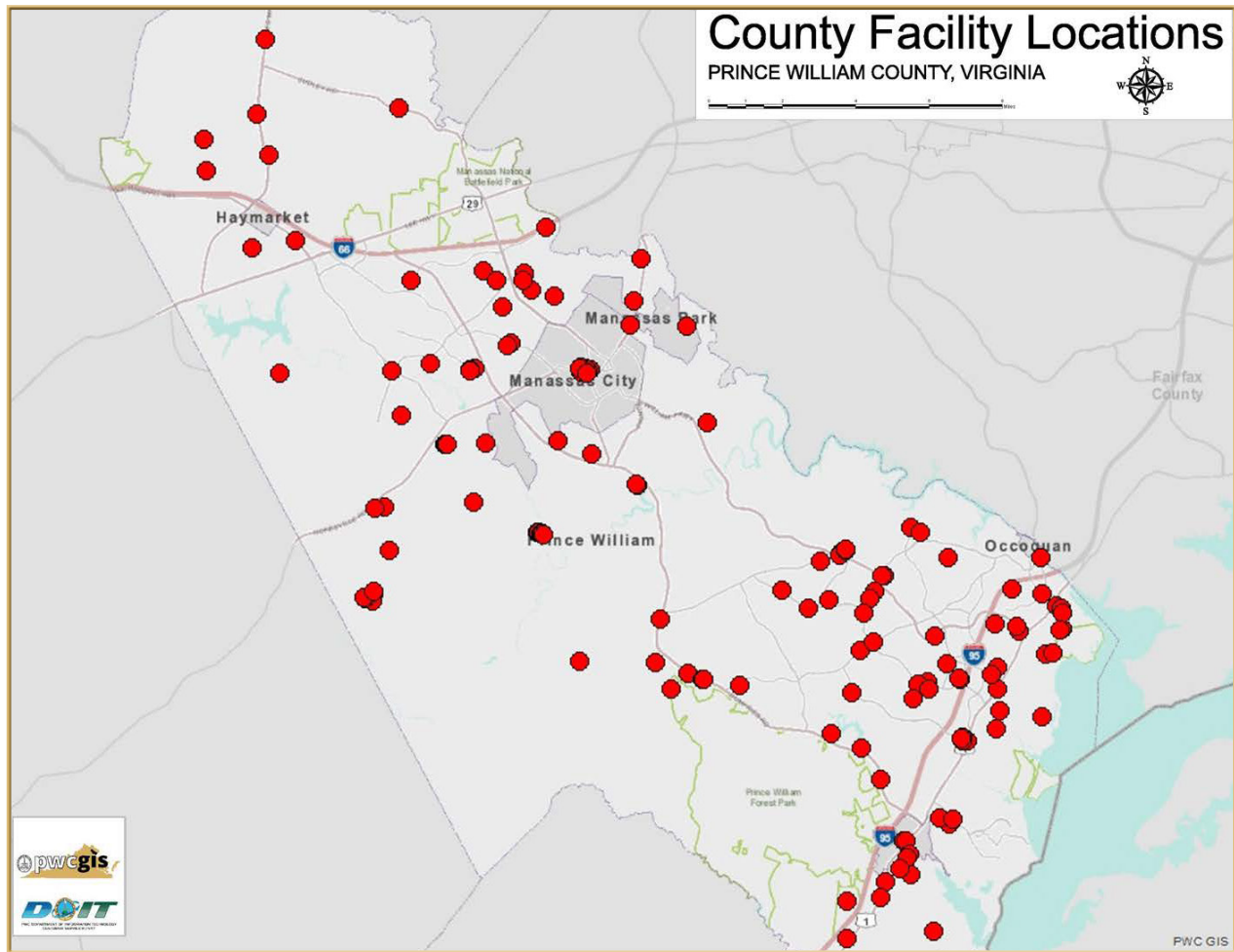
Operating Impacts											
	Operating Expenses	-	-	-	-	-	-	-	-	-	-
	Debt Service	-	-	-	-	-	-	-	-	-	-
	Revenue	-	-	-	-	-	-	-	-	-	-
	General Fund Requirement	-	-	-	-	-	-	-	-	-	-
	Additional Positions (FTEs)	-	-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Building & Facility Capital Program



Building & Facility Capital Program



- Resurface pools and replace filtration systems
- Address ADA compliance

Service Impact

- **Improved Maintenance** - Projects will complete deferred maintenance on large-scale components with the goal of extending the life of County facilities and assets.

Funding Sources

- **Capital Reserve** - \$8.0M

Project Milestones

- **Design and project identification** will begin in July 2017 (FY18).
- **Project completion** is planned to occur throughout FY18 and FY19.

Current Situation

- 180 Buildings/Park Sites, replacement value = \$560.2M
- Many facilities 20+ years old
- Agencies delay necessary maintenance due to funding

Program Goal & Purpose

- Address large scale component replacement or repairs that can not be accomplished with existing resources
- Invest in existing capital assets to extend the life of facilities and better serve the community

Building & Facility Capital Program

Candidate Projects for Building & Facilities Capital Program	
Project Name	Preliminary Cost Estimate
Locust Shade Water Line [<i>estimated funding shortfall</i>]	\$1,200,000
Judicial Center - Replace Generator BG601	\$800,000
Dale City Recreation Center - HVAC Replacement	\$750,000
Judicial Center - Partial HVAC Replacement/Hot Water Heaters	\$736,000
James Long Park - Paving	\$600,000
Western District Police Station - Paving	\$531,000
McCoart - Partial HVAC Replacement	\$433,000
Veteran's Park - Pool Whitecoat/Tile	\$400,000
ADA Compliance - Countywide	\$400,000
Dale City Recreation Center - Roof Replacement	\$350,000
Lake Ridge Park - Oxford Boathouse Building Compliance	\$350,000
Mosby Street Parking Lot (Adult Detention Center) - Paving	\$302,000
Pool Slides - Gelcoats	\$300,000
Williams Ordinary Historic Site - Foundation Repair	\$300,000
Ferlazzo - Partial HVAC Replacement	\$258,000
Veteran's Park - Paving	\$250,000
General's Ridge Golf Course Steep Slope - Erosion	\$225,000
Tennis Court/Basketball Court Replacement	\$200,000
Owens Bldg - Partial HVAC Replacement	\$166,000
Playground Replacement - Rosemount Lewis Park	\$150,000
Playground Replacement - Ellis Barron Park	\$150,000
Playground Replacement - Locust Shade Park	\$150,000
Hellwig Park - Paving Admin Building Area to New Entrance	\$150,000
Chinn Center - Replace Rooftop Unit (RTU) unit (HVAC) on roof for the gym	\$150,000
Central Library - Roof Replacement	\$150,000
Gar-Field Police Gas Station - Roof Replacement	\$135,000
Public Safety Training Center (PSTC) - Partial HVAC Replacement/Hot Water Heaters	\$120,000
Splashdown Leisure Pool - Whitecoat	\$100,000
Sidewalk Repairs (Per Risk Mgmt reports)	\$100,000
Potomac Library - Roof Replacement	\$83,000
Woodbridge Senior Center - Roof Replacement	\$83,000
Ben Lomond Historic Site - Repoint Masonary	\$80,000
Public Safety Training Center (PSTC) Modular Training Facility - Roof Replacement	\$77,000
Waterworks Water Slide - Rusting Tower	\$75,000
Veteran's Park Water Slide - Rusting Tower	\$75,000
Bristow Battlefield Historic Site - Paving (Repave the drive)	\$60,000
Rippon Lodge Historic Site - Roof Replacement	\$60,000
Rippon Lodge Historic Site - HVAC System Replacement	\$60,000
Bennett School - Roof Replacement	\$53,000
McCoart Complex - Replace Generator BG640	\$50,000
Public Health Clinic - Roof Replacement	\$48,000
Total	\$10,710,000

Sorted largest to smallest by Cost Estimate

Grounds Maintenance Shop @ Locust Shade Park

Total Project Cost - \$750K

Project Description

Design and construct a maintenance shop to house Parks & Recreation grounds maintenance staff. The facility will also include one bay for Parks & Recreation Fleet personnel to work on equipment. Currently, grounds maintenance staff uses a 20 x 19 building that also houses their equipment. The project includes lean-to shelters to cover equipment while outside.

Service Impact

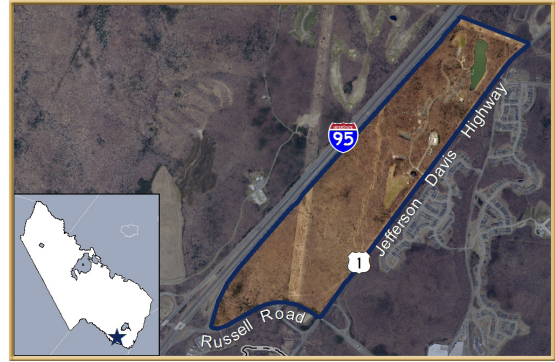
- **Improved efficiency and reduced dispatch time** - Dispatching maintenance crews will be more efficient due to a more functional location on the eastern end of the County. Equipment life span will be enhanced in an enclosed, secure facility.

Funding Sources

- **General fund** - \$750K

Project Milestones

- **Design** began in August 2016 (FY17).
- **Construction** will begin in December 2017 (FY18) for completion in June 2018 (FY18).
- **Occupancy** is planned for June 2018 (FY18).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	750	750	-	-	-	-	-	-	-	-	-
Total Revenue	\$750	\$750	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	100	-	100	-	-	-	-	-	-	-	-
Construction	650	-	-	650	-	-	-	-	-	650	-
Total Expenditure	\$750	-	\$100	\$650	-	-	-	-	-	\$650	-
<i>Operating Impacts</i>											
Operating Expenses			-	-	-	-	-	-	-	-	-
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Locust Shade Park Water Line Improvements

Total Project Cost - \$2.2M

Project Description

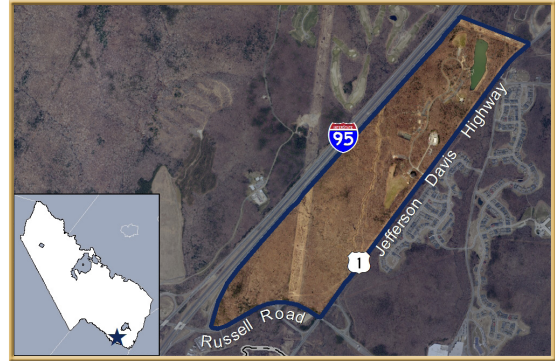
There is a critical need to install a new water main line at Locust Shade Park. The existing water line is under Route 1 and is more than 40 years old. The water line has broken four times since 2007 and the repair costs have exceeded \$150,000. Water line breaks have caused damage to Route 1, shutting down lanes of traffic and is a safety concern for drivers. In late September 2014, there was a break in the main, which required a 40-foot section of Route 1 to be milled and paved.

Additionally, the existing water line does not provide the quantity or pressure needed for the existing facilities at Locust Shade Park and Forest Greens Golf Course. When there is a large event, such as a Scout camp at the Park, the water line cannot provide enough water or water pressure to operate the restrooms and there is no alternative water source for the park. The current appropriated project budget of \$1.0 million was based on a concept plan completed in FY07 to upgrade the water line.

The current estimates to complete the project are \$2.2 million; therefore, in order to complete the water line repair alternative funding sources will need to be identified. Potential sources include proffers, stream mitigation credits, and/or other one-time funding.

Service Impact

- **Improved water availability** - Improvements to the water line will enhance public water availability to existing structures and customers within the park.
- **Reduced maintenance and impact on Route 1** - Improvements will eliminate the occurrence of water line breaks under Route 1 and impacts on traffic flow on the roadway during line breaks.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Funding Sources

- **General fund** - \$1.0M

Note: Final construction of repairs to the water will not occur until additional funding is available.

- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Design** began in August 2016 (FY17).
- **Construction** is scheduled to begin in December 2017 (FY18) for completion in July 2018 (FY19). The construction schedule is subject to additional funding being identified.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,000	1,000	-	-	-	-	-	-	-	-	-
Total Revenue	\$1,000	\$1,000	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	302	-	76	227	-	-	-	-	-	227	-
Construction	1,872	-	-	672	-	-	-	-	-	672	1,200
Total Expenditure	\$2,174	-	\$76	\$899	-	-	-	-	-	\$899	\$1,200
<i>Operating Impacts</i>											
	Operating Expenses		-	-	-	-	-	-	-	-	-
	Debt Service		-	-	-	-	-	-	-	-	-
	Revenue		-	-	-	-	-	-	-	-	-
	General Fund Requirement		-	-	-	-	-	-	-	-	-
	Additional Positions (FTEs)		-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Potomac Heritage National Scenic Trail

Current Project Cost - \$6.0M

Project Description

This project constructs trail segments of the Potomac Heritage National Scenic Trail (PHNST). The PHNST is designed to be a multi-use trail through the County and is part of the national trail that links the Potomac and upper Ohio River basins. The total cost of completing all segments will be developed, as the final alignment of the trail is determined.

Service Impact

- **Increase Open Space and Passive Recreation Opportunities** - Provides dedicated trail segments for walking, jogging and biking and makes progress toward the goals of the Parks, Open Space and Trails chapter in the County's Comprehensive Plan.

Funding Sources

- **General fund** - \$2.4M
 - **Developer contributions (proffers)** - \$3.0M
 - **Federal funds** - \$568K
- Note: Final construction of all planned trail segments will not occur until additional funding is available.
- **Annual operating costs for trail maintenance** will be funded by the general fund. In addition, community volunteers will help provide ongoing trail clean up and maintenance, potentially reducing the need for tax support.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **The trail segment crossing Neabsco Creek** is in the planning and design stage, including acquiring necessary easements and the submission of a wetland permit application jointly between PWC and the Villages at Rippon Landing HOA. Final design was complete in October 2016 (FY17) and is currently undergoing final permitting approvals. Construction is scheduled to begin in summer 2017 (FY18). It is estimated that construction will take 18 months to complete.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	2,387	2,372	15	-	-	-	-	-	-	-	-
Federal Rev	568	568	-	-	-	-	-	-	-	-	-
Proffers	3,035	3,035	-	-	-	-	-	-	-	-	-
Total Revenue	\$5,990	\$5,975	\$15	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	334	194	89	50	-	-	-	-	-	50	-
Construction	5,632	64	284	4,156	1,127	-	-	-	-	5,284	-
Right of Way/Land	24	-	24	-	-	-	-	-	-	-	-
Total Expenditure	\$5,990	\$259	\$398	\$4,206	\$1,127	-	-	-	-	\$5,334	-

<i>Operating Impacts</i>		FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Potomac Heritage National Scenic Trail



Potomac Heritage National Scenic Trail - Neabsco Creek Crossing design concept

➤ **Other trail segments** within the project include:

- **Featherstone Refuge** - The County received a Federal Lands Access Program grant for \$568,000 to construct this segment. Design was completed in spring 2016 (FY16) and is being reviewed by US Fish & Wildlife review at their Regional Office. Construction is planned to begin summer/fall 2017 (FY18).
- **Heritage Harbor** - Design is completed and the required VDOT permit has been received. This segment incorporates a road crossing at Featherstone Road and connects with the Featherstone Refuge segment. Additional funding is needed to fully complete this segment.
- **Occoquan Refuge** - Design is complete and recent archaeological findings are requiring changes to construction plans that have been completed. Design is currently in review at the US Fish & Wildlife Regional Office. Construction is planned to begin in summer/fall 2017 (FY18).

- **Future trail segments** extending the trail from Woodbridge through the Potomac Magisterial District and to the Stafford County line are in planning stages.



Sports Field & Facility Improvements

Total Project Cost - \$3.5M

Project Description

This project improves existing facilities by making improvements that could include adding buildings, upgrading turf, adding lights or other enhancements throughout the community to maximize existing park resources.

Service Impact

- **Increase Active Recreation Opportunities** - Sports fields in the County are in high demand and continued population growth creates higher demand. Fields are in constant use and require regular renovation. Enhancements and improvements, such as lighting and irrigation, expand the capacity of existing sports fields.

Funding Sources

- **General fund** - \$1.2M
- **Debt** - \$750K
- **Developer contributions (proffers)** - \$1.5M
- **Annual operating costs** will be supported by the general fund.

Project Milestones

- **Current County projects and improvements** - under development, include:
 - **Additional Catharpin Park Fields** - Preparation of future field site in conjunction with two proffered fields to be installed by a developer. The project is in the design phase with completion dependent on the construction progress of the proffered fields. At this time, a plan is being developed based on feedback from the Department of Environmental Quality.
 - **Golf Course Improvements Building** - Construction of new and maintenance of existing golf facilities at

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

the Forest Greens, General's Ridge, Prince William and Lake Ridge Golf Courses.

- **Hellwig Park Restroom and Concession Building** - Planning and design was completed in June 2016 (FY16) and construction is planned for completion in summer 2017 (FY18).
- **Lake Ridge (Oxford) Boathouse** - Funding has been appropriated to support the design of improvement to the boathouse at Lake Ridge Park.
- **Potomac Shores** - Funding has been appropriated to support field improvements to the sports complex at Potomac Shores. Specific improvements will be planned and identified in the future.
- **Tyler Elementary School** - New fencing at the athletic fields at Tyler elementary school.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,244	589	175	80	80	80	80	80	80	480	-
Debt	750	750	-	-	-	-	-	-	-	-	-
Proffers	1,549	1,181	368	-	-	-	-	-	-	-	-
Total Revenue	\$3,543	\$2,520	\$543	\$80	\$80	\$80	\$80	\$80	\$80	\$480	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	80	-	80	-	-	-	-	-	-	-	-
Construction	3,423	117	2,132	693	-	160	-	160	-	1,013	160
Project Management	40	-	40	-	-	-	-	-	-	-	-
Total Expenditure	\$3,543	\$117	\$2,252	\$693	-	\$160	-	\$160	-	\$1,013	\$160

<i>Operating Impacts</i>	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Operating Expenses	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-
Revenue	-	-	-	-	-	-	-
General Fund Requirement	-	-	-	-	-	-	-
Additional Positions (FTEs)	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Trail Development

Total Project Cost - \$2.0M

Project Description

This project adds trails and connectors to the Broad Run Greenway, Catharpin Greenway, Neabsco Greenway, and Occoquan (formerly Lake Ridge) Greenway trail corridors.

Service Impact

- **Increase Open Space and Passive Recreation Opportunities** - The trails will be used by hikers, non-motorized bikers, and equestrians, providing an alternative transportation route between parks and school sites. Completed segments make progress toward goals in the Parks, Open Space, and Trails chapter in the County's Comprehensive Plan.

Funding Sources

- **Developer contributions (proffers) - \$2.0M**
Note: Final construction of all planned trail segments will not occur until additional funding is available.
- **Annual operating costs** are not anticipated at this time, but any future costs will be provided by the general fund. In addition, community volunteers will help provide ongoing trail clean up and maintenance, potentially reducing the need for tax support.

Project Milestones

- **Broad Run Greenway trail** - The trail connects communities from Route 28 to Rollins Ford Road. Design for the Kingsbrooke Slope Boardwalk was completed January 2017 (FY17) and trail construction will take approximately nine months. Once completed, volunteers and staff will create a natural surface trail from Hunting Cove Road to Rollins Ford Road.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- **Catharpin Greenway trail** - The trail connects communities from Silver Lake Park to Long Park to the Manassas Battlefield. A developer will design and construct a proffered one-mile asphalt trail to be completed by spring/summer 2017 (FY17). Other segments will be constructed as funding and easements are available.
- **Occoquan (formerly Lake Ridge) Greenway trail** - The trail connects communities from the McCoart Complex to the town of Occoquan. Segment one and segment two have been constructed. Segment three and four have been mapped and platted for approval by Lake Ridge Parks and Recreation Association (LRPRA) and the County. Other segments will be constructed as funding and easements are available.
- **Neabsco Greenway trail** - The Andrew Leitch Park trail segment (3.8 miles) was completed in spring 2016 (FY16). Other segments will be completed as funding and easements are available.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	950	929	21	-	-	-	-	-	-	-	-
Proffers	1,096	1,096	-	-	-	-	-	-	-	-	-
Total Revenue	\$2,045	\$2,025	\$21	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	676	23	238	415	-	-	-	-	-	415	-
Construction	1,326	268	366	692	-	-	-	-	-	692	-
Project Management	43	-	7	36	-	-	-	-	-	36	-
Total Expenditure	\$2,045	\$291	\$612	\$1,143	-	-	-	-	-	\$1,143	-
<i>Operating Impacts</i>											
		Operating Expenses	-	-	-	-	-	-	-	-	-
		Debt Service	-	-	-	-	-	-	-	-	-
		Revenue	-	-	-	-	-	-	-	-	-
		General Fund Requirement	-	-	-	-	-	-	-	-	-
		Additional Positions (FTEs)	-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

WaterWorks Children's Pool Replacement

Total Project Cost - \$2.0M

Project Description

Design and construct a replacement children's pool at the WaterWorks water park. The existing park is 23 years old. The improvement will be a water activity area. The new zero depth water activity area will feature interactive aquatic attractions with climbing and crawling experiences and numerous spray areas for young children.

Service Impact

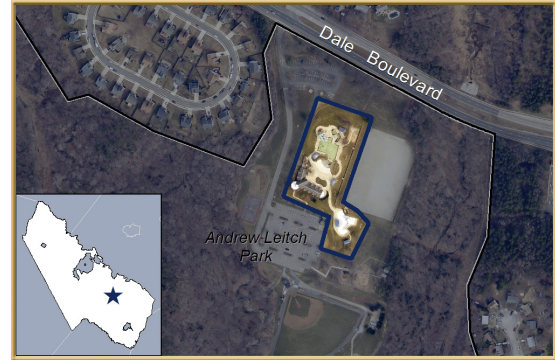
- **Improve Infrastructure** - The children's pool is failing and may result in closing the pool if it is not repaired.

Funding Sources

- **Developer contributions (proffers)** - \$917K
- **Debt (2006 Park Bond) financing** - \$700K
- **General fund** - \$363K

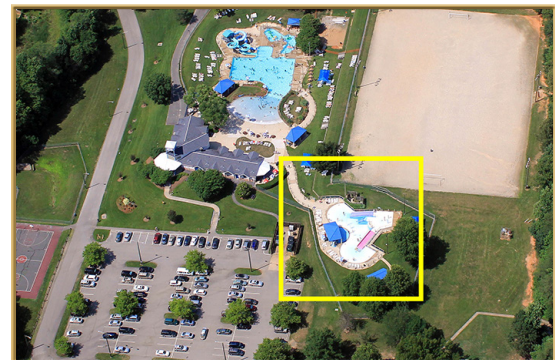
Project Milestones

- **Planning and design** began in June 2015 (FY15) and was completed in January 2017 (FY17).
- **Construction** is scheduled to begin in September 2017 (FY18) and be completed in April 2018 (FY18).
- **Pool** will be ready for summer 2018 (FY18).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	363	350	13	-	-	-	-	-	-	-	-
Debt	700	700	-	-	-	-	-	-	-	-	-
Proffers	917	309	608	-	-	-	-	-	-	-	-
Total Revenue	\$1,979	\$1,359	\$621	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	176	127	49	-	-	-	-	-	-	-	-
Construction	1,603	-	-	1,603	-	-	-	-	-	1,603	-
Occupancy	100	-	-	100	-	-	-	-	-	100	-
Project Management	100	-	-	100	-	-	-	-	-	100	-
Total Expenditure	\$1,979	\$127	\$49	\$1,803	-	-	-	-	-	\$1,803	-
<i>Operating Impacts</i>											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				55	53	52	50	49	47	306	
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				\$55	\$53	\$52	\$50	\$49	\$47	\$306	
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Eco Park Complex

Total Project Cost - \$1.5M

Project Description

The Eco Park Complex focuses on transforming the landfill property into a community resource. The complex includes three major components: *Environment - Energy - Education*. The project expands the development of public-private partnerships to increase private development and investment in renewable energy projects to increase sustainability. Potential projects include expansion of the landfill gas to energy facility, development of a waste conversion demonstration project(s), and development of solar and wind power.

The education component of the project includes development of an Eco-Center “Living Building” education facility (which will include County landfill offices), including trails and exhibits within the buffer area of the landfill. Public-private partnerships will be solicited for funding as the educational component develops. Partnerships with PWC Schools, George Mason University, Virginia Tech, and private companies are being explored to develop the educational facility.

Service Impact

- **Increase Revenue** - This project will generate revenue through investment in alternative energy solutions (including landfill gas, wind, and solar).
- **Decrease Fuel Dependence and Emissions** - The project will decrease fossil fuel dependence and greenhouse gas emissions at the landfill.
- **Education** - The development of the landfill buffer trails and education facility will provide educational resources and opportunities for local schools and universities.
- **Increase Landfill Life** - The waste conversion project will divert waste from the landfill and increase the overall life of the landfill.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Funding Sources

- **Solid waste fee revenue** - \$1.5M
- **Private Funds for Renewable Energy/Waste Conversion/Education** - Pending

Project Milestones

- **Design** of renewable energy projects (wind, solar and waste conversion technologies) began in FY15 and development continued into FY16-17.
- **Continued development** of landfill trails with concept plans for an education facility in FY17 and of waste conversion, solar and wind projects, and the education facility will continue in FY18-23.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Solid Waste Fees	1,510	611	-	-	-	-	-	-	-	-	899
Total Revenue	\$1,510	\$611	-	-	-	-	-	-	-	-	\$899
<i>Cost Categories (Expenditures)</i>											
Construction	1,460	-	362	-	-	-	-	-	-	-	1,099
Right of Way/Land	50	-	50	-	-	-	-	-	-	-	-
Total Expenditure	\$1,510	-	\$411	-	-	-	-	-	-	-	\$1,099
<i>Operating Impacts</i>											
	Operating Expenses		-	-	-	-	-	-	-	-	-
	Debt Service		-	-	-	-	-	-	-	-	-
	Revenue		-	-	-	-	-	-	-	-	-
	General Fund Requirement		-	-	-	-	-	-	-	-	-
	Additional Positions (FTEs)		-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Landfill Caps

Total Project Cost - \$8.8M

Project Description

The project funds the mandated closure of filled cells located at the Prince William County (PWC) Sanitary Landfill. Filled cells are areas of the landfill that have reached capacity.

Service Impact

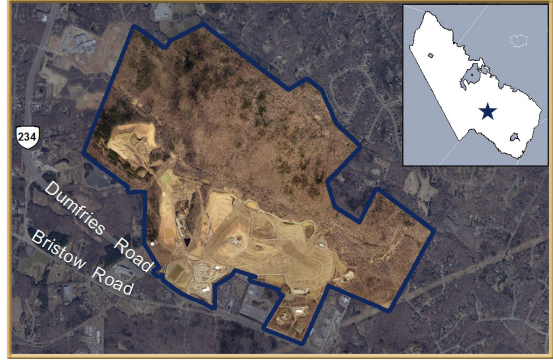
- **Protection of Public Health** - The closure of filled cells will reduce rainwater infiltration, thereby protecting public health, groundwater quality, and the environment.
- **Compliance with Virginia Solid Waste Management Regulations** - Regulations mandate that cells must be capped once they are completely filled.

Funding Sources

- **Solid waste fee revenue/Closure Fund** - \$8.8M

Project Milestones

- **Design and Construction for Phase II (sequence 4)** will begin in FY18 and be completed in FY19.
- **Design and Construction for Phase II (sequence 5)** will begin in FY22 and be completed in FY23.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Solid Waste Fees	8,820	-	-	3,405	-	-	-	5,415	-	8,820	-
Total Revenue	\$8,820	-	-	\$3,405	-	-	-	\$5,415	-	\$8,820	-
Cost Categories (Expenditures)											
Design/Planning	550	-	-	275	-	-	-	275	-	550	-
Construction	7,200	-	-	2,650	-	-	-	4,550	-	7,200	-
Project Management	1,070	-	-	480	-	-	-	590	-	1,070	-
Total Expenditure	\$8,820	-	-	\$3,405	-	-	-	\$5,415	-	\$8,820	-
Operating Impacts											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Landfill Liners

Total Project Cost - \$18.3M

Project Description

Installation of mandated landfill liners is required to complete the liner systems at the PWC Sanitary Landfill.

Service Impact

- **Protection of Public Health** - The landfill liners will protect public health and the environment by reducing groundwater contamination.
- **Compliance with Virginia Solid Waste Management Regulations** - The regulations mandate that liners be installed in all new landfill cells.
- **Capacity of Phase I Cell** - The life of the Phase I cells (Parts 1, 2, 3 and 4) was filled to capacity in February 2011.
- **Capacity of Phase II and III Cells** - The life of the Phase II and III cells are estimated to last until 2028.

Funding Sources

- **Solid waste fee revenue** - \$18.3M

Project Milestones

- **Design and construction for Phase II, Part D** will be completed in FY18.
- **Mass excavation for Phase III, Parts A and B** to prepare for construction of the Phase III cells will begin in FY18 and continue through FY22.
- **Relocation of the mulch facility** will begin in FY19 and completed in FY20 to prepare for the construction of the Phase III lined cells.
- **Design and construction of Phase III, Part A** will begin in FY20 and be completed in FY21.
- **Design and construction of Phase III, Part B** will begin in FY23 and be completed in FY24.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Solid Waste Fees	18,310	-	-	1,078	2,478	5,593	1,078	1,078	7,005	18,310	-
Total Revenue	\$18,310	-	-	\$1,078	\$2,478	\$5,593	\$1,078	\$1,078	\$7,005	\$18,310	-
Cost Categories (Expenditures)											
Design/Planning	830	-	-	30	160	305	30	30	275	830	-
Construction	16,120	-	-	968	2,238	4,728	968	968	6,250	16,120	-
Project Management	1,360	-	-	80	80	560	80	80	480	1,360	-
Total Expenditure	\$18,310	-	-	\$1,078	\$2,478	\$5,593	\$1,078	\$1,078	\$7,005	\$18,310	-
Operating Impacts											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

County Watersheds

Total Project Cost - \$32.2M

Project Description

These funds are for watershed capital projects throughout the County. Projects can include stream restoration, best management practices, stormwater management facility retrofits, culvert modifications, channel improvements, and drainage improvements within countywide watersheds to reduce flooding and erosion problems and/or improve water quality. The County watersheds included in this project are:

- Broad Run Watershed
- Bull Run Watershed
- Cedar Run Watershed
- Marumsc Creek Watershed
- Neabsco Creek Watershed
- Occoquan River Watershed
- Powells Creek Watershed
- Quantico Creek Watershed

Service Impact

- **Protect Water Quality** - These projects will protect local water quality and the Chesapeake Bay.
- **Control Flooding and Reduce Erosion** - These projects will help control flooding and reduce erosion and siltation problems countywide.
- **Comply with State and Federal Mandates** - All of the projects help comply with federal and state mandates, associated with the Clean Water Act, including the Chesapeake Bay Total Maximum Daily Load and the County's Municipal Separate Storm Sewer System (MS4) permit by providing water quality and quantity improvements, reduction of non-point source pollution and the enhancement of stream/riparian habitat.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Funding Sources

- **Stormwater management (SWM) fee** - \$30.2M
- **State/federal and other sources** - \$2.0M
- **Annual maintenance costs** are supported by the County's Storm Water Management (SWM) fee in the Public Works Department operating budget. There are no new costs due to the improvements.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Stormwater Mgmt Fee	30,183	4,301	1,914	4,742	3,120	3,128	4,203	4,525	4,251	23,969	-
State Rev	2,048	2,048	-	-	-	-	-	-	-	-	-
Total Revenue	\$32,231	\$6,349	\$1,914	\$4,742	\$3,120	\$3,128	\$4,203	\$4,525	\$4,251	\$23,969	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Construction	32,231	-	6,234	5,970	3,320	3,328	4,403	4,725	4,251	25,997	-
Total Expenditure	\$32,231	-	\$6,234	\$5,970	\$3,320	\$3,328	\$4,403	\$4,725	\$4,251	\$25,997	-

<i>Operating Impacts</i>		FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

County Watersheds

Project Milestones

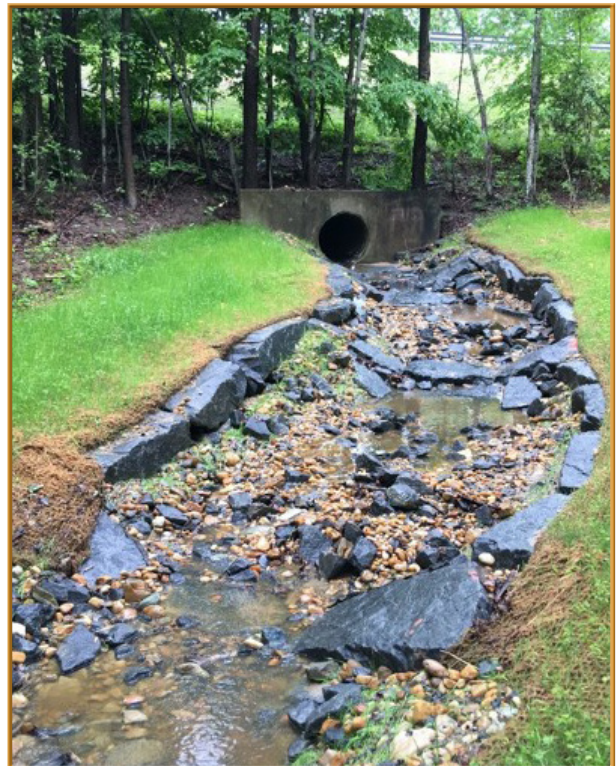
Design and construction for watershed improvement projects occur on a phased basis as specific projects are identified in watershed studies. Planned and ongoing projects include the following:

- **Broad Run Watershed**
 - Broad Run SWM Retrofit
- **Bull Run Watershed**
 - Bull Run Stream Restorations/SWM Retrofits
- **Marumsco Creek Watershed**
 - Hylbrook Park Stream Restoration
 - Jefferson Park Drainage Improvement
 - Marumsco Creek SWM Retrofits
- **Neabsco Creek Watershed**
 - Cow Branch Phase 4
- **Occoquan River Watershed**
 - SWM Facility 28 - Water Quality Retrofit
 - Reach 5 Stream Restoration/489 Retrofit
 - SWM Facility 109 - Water Quality Retrofit
- **Powells Creek Watershed**
 - Powells SS-725 Stream Restoration - Phase 1
 - SWM Facility 233 - Water Quality Retrofit
- **Quantico Creek Watershed**
 - Dewey's Creek Reach 1 Stream Restoration
 - Dewey's Creek Reach 2 Stream Restoration
 - Dewey's Creek Reach 4 Stream Restoration
 - SWM Facility 377 - Water Quality Retrofit
 - SWM Facility 424 - Water Quality Retrofit

Occoquan River Watershed - Stream Restoration



Before



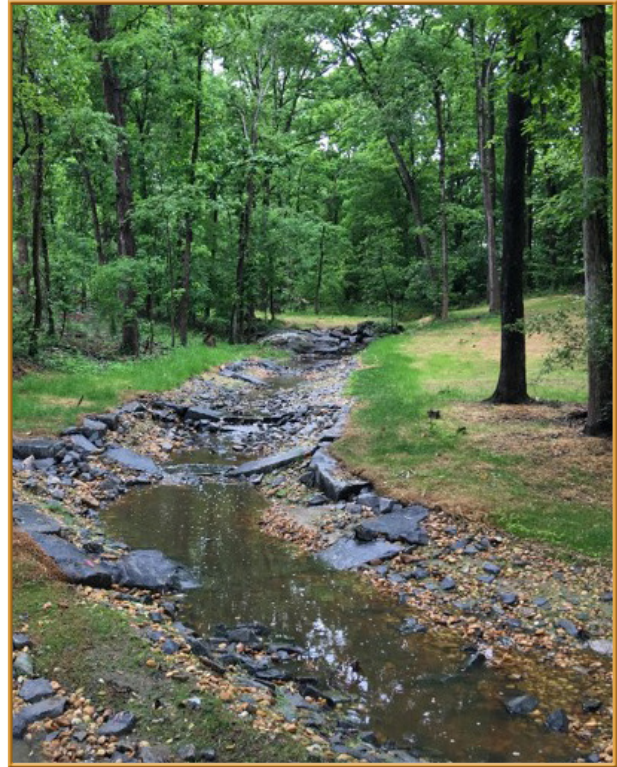
After

County Watersheds

Occoquan River Watershed - Stream Restoration (Continued)



Before



After



Before



After

County Watersheds



Major Watersheds Legend

-  Interstate
-  US Highway Route
-  State Highway
-  County Road (Major)
-  County Boundary



Public Safety
PROJECTS

Coles Fire & Rescue Station Reconstruction

Total Project Cost - \$10.7M

Project Description

The station was built in 1979 and is located at 13712 Dumfries Road in Manassas. This project will replace the current station based on recommendations identified in the Fire & Rescue Facilities Assessment dated January 2010 and approved by the Fire & Rescue Association.

The new station will be constructed at the same address and will be approximately 21,500 square feet with expanded office space, sleeping quarters, more suitable apparatus areas, and hazmat storage.

Service Impact

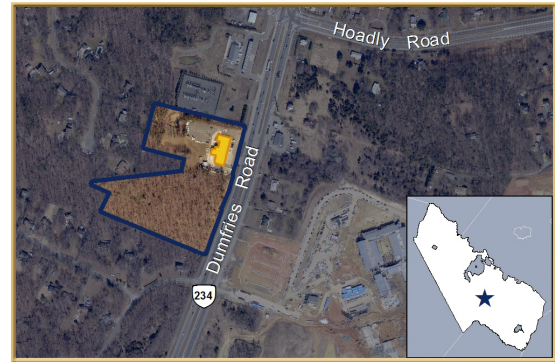
- **Safety** - The reconstructed station will provide a safer environment for career and volunteer staff members.

Funding Sources

- **Fire levy funds** - \$9.4M
- **Developer contributions (proffers)** - \$1.2M
- **Service Authority Water Connection Credit** - \$114K
- **Facility operating costs** are funded by the fire levy; there are no new costs due to the renovations.

Project Milestones

- **Design** began in August 2013 (FY14).
- **Reconstruction** is scheduled to begin in fall 2017 (FY18) and to be completed in November 2018 (FY19).
- **Occupancy** is planned for December 2018 (FY19).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Fire Levy	9,351	4,712	-	4,639	-	-	-	-	-	4,639	-
Proffers	1,241	780	-	461	-	-	-	-	-	461	-
Service Authority Reimbursement	114	-	114	-	-	-	-	-	-	-	-
Total Revenue	\$10,706	\$5,492	\$114	\$5,100	-	-	-	-	-	\$5,100	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	932	780	153	-	-	-	-	-	-	-	-
Construction	8,545	-	500	4,760	3,285	-	-	-	-	8,045	-
Occupancy	450	-	-	225	225	-	-	-	-	450	-
Telecommunication	253	-	-	253	-	-	-	-	-	253	-
Project Management	525	-	85	240	200	-	-	-	-	440	-
Total Expenditure	\$10,706	\$780	\$738	\$5,479	\$3,710	-	-	-	-	\$9,189	-
<i>Operating Impacts</i>											
Operating Expenses			-	-	-	-	-	-	-	-	-
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Gainesville Fire & Rescue Station Renovation

Total Project Cost - \$5.9M

Project Description

The Gainesville Station was built in 1990 and is located at 14450 John Marshall Highway in Gainesville. The station is a one-story building with four double drive-through bays and is approximately 13,500 square feet.

This project will renovate the existing space and construct additional staff space. The addition will add 5,000 square foot of new space; total square footage of facility will be 18,500. This project will reorganize the interior of the building so that it is more efficient and increase the size of the living quarters, office space, and operational space. This station was recommended for renovation in the 2010 Fire and Rescue Facilities Assessment.

Service Impact

- **Safety** - The renovated station will provide a safer environment for career staff members.

Funding Sources

- **Fire levy funds** - \$5.5M
- **Developer contributions (proffers)** - \$231K
- **Service Authority Water Connection Credit** - \$108K
- **Facility operating costs** are funded by the fire levy; there are no new costs due to the renovation.

Project Milestones

- **Design** began in December 2013 (FY14) and was completed in January 2016 (FY17).
- **Renovation** began in September 2016 (FY17) and is scheduled to be completed in December 2017 (FY18).
- **Occupancy** is scheduled for January 2018 (FY18).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Fire Levy	5,512	4,912	600	-	-	-	-	-	-	-	-
Proffers	231	231	-	-	-	-	-	-	-	-	-
Service Authority Reimbursement	108	108	-	-	-	-	-	-	-	-	-
Total Revenue	\$5,851	\$5,251	\$600	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Pre-Planning	91	91	-	-	-	-	-	-	-	-	-
Design/Planning	431	116	245	70	-	-	-	-	-	70	-
Construction	4,391	-	1,589	2,802	-	-	-	-	-	2,802	-
Occupancy	188	-	-	188	-	-	-	-	-	188	-
Telecommunication	283	-	-	283	-	-	-	-	-	283	-
Project Management	467	53	235	179	-	-	-	-	-	179	-
Total Expenditure	\$5,851	\$260	\$2,069	\$3,522	-	-	-	-	-	\$3,522	-

<i>Operating Impacts</i>		FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Nokesville Fire & Rescue Station Reconstruction

Total Project Cost - \$10.1M

Project Description

This project will replace the current station as recommended in the 2010 Fire & Rescue Facilities Assessment. The new station will be constructed at the same location as the current station. The new station will be approximately 18,000 square feet with expanded office space, sleeping quarters, community room, and more suitable apparatus areas.

Service Impact

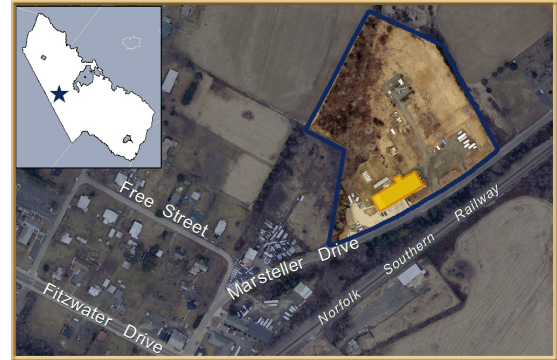
- **Safety** - The reconstructed station will provide a safer environment for career and volunteer staff members.
- **Volunteer Recruitment and Retention** - The renovation is not expected to impact station response times, it is anticipated that renovated living and working space will improve volunteer firefighter recruitment and retention.

Funding Sources

- **Fire levy funds** - \$7.5M
- **Developer contributions (proffers)** - \$1.9M
- **Capital Reserve** - \$600K
- **Service Authority Reimbursement (Credit)** - \$114K
- **Facility and program operating costs** are funded by the fire levy; there are no new costs due to the reconstruction.

Project Milestones

- **Design** began in FY14 and is scheduled to be completed spring 2017 (FY17).
- **Reconstruction** is scheduled to begin in February 2018 (FY18) and to be completed in May 2019 (FY19).
- **Occupancy** is scheduled for May 2019 (FY19).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Capital Reserve	600	-	600	-	-	-	-	-	-	-	-
Fire Levy	7,549	7,852	-	(303)	-	-	-	-	-	(303)	-
Proffers	1,860	1,556	-	303	-	-	-	-	-	303	-
Service Authority Reimbursement	114	114	-	-	-	-	-	-	-	-	-
Total Revenue	\$10,123	\$9,523	\$600	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Pre-Planning	100	-	100	-	-	-	-	-	-	-	-
Design/Planning	950	681	169	70	30	-	-	-	-	100	-
Construction	8,067	-	-	3,052	5,015	-	-	-	-	8,067	-
Occupancy	275	-	-	-	275	-	-	-	-	275	-
Telecommunication	283	-	-	283	-	-	-	-	-	283	-
Project Management	449	14	55	190	190	-	-	-	-	380	-
Total Expenditure	\$10,123	\$695	\$324	\$3,594	\$5,510	-	-	-	-	\$9,105	-

<i>Operating Impacts</i>	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Revenue	-	-	-	-	-	-	-	-
General Fund Requirement	-	-	-	-	-	-	-	-
Additional Positions (FTEs)	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Station 22 (West End) Fire & Rescue

Total Project Cost - \$16.4M

Project Description

Station 22 is a new Fire & Rescue station that will be located on the west end of the county and is planned to be approximately 21,000 square feet. The station will house a pumper, rescue, collapse unit, and Advanced Life Support (ALS) ambulance. Career staffing will be provided for a 24-hour pumper unit, 24-hour rescue unit and a 24-hour medic unit. The building will include sleeping quarters, a kitchen and dayroom, physical fitness room, training room, storage for heavy tactical rescue equipment and offices. The station will include three to four apparatus bays, an area for personal protective equipment, and an exterior training tower.

Service Impact

- **Response Time Improvements** - The station's first due area will experience response time improvements. Systemwide response time improvements are also projected to improve, which will help ease the burden on existing stations.

Funding Sources

- **Debt financing** (supported by the Fire Levy) - \$15.1M
- **Fire levy funds** - \$1.3M
- **Facility operating costs** will be funded by the fire levy.
- **Program operating costs (career staffing)** will be funded by the general fund and the fire levy will fund a portion of volunteer hours.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Land Acquisition** began in FY17 and is planned to be completed summer 2017 (FY18).
- **Design** is scheduled to begin in September 2017 (FY18).
- **Construction** is scheduled to begin in September 2018 (FY19) and will be completed in January 2020 (FY20).
- **Occupancy** is scheduled for January 2020 (FY20).

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Fire Levy	1,275	1,275	-	-	-	-	-	-	-	-	-
Debt	15,080	-	-	-	15,080	-	-	-	-	15,080	-
Total Revenue	\$16,355	\$1,275	-	-	\$15,080	-	-	-	-	\$15,080	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Pre-Planning	225	-	225	-	-	-	-	-	-	-	-
Design/Planning	800	-	-	500	150	150	-	-	-	800	-
Construction	10,000	-	-	-	5,000	5,000	-	-	-	10,000	-
Right of Way/Land	3,705	-	3,705	-	-	-	-	-	-	-	-
Occupancy	400	-	-	-	400	-	-	-	-	400	-
Telecommunication	400	-	-	-	400	-	-	-	-	400	-
Project Management	775	-	75	140	285	275	-	-	-	700	-
Other Project Costs	50	-	-	-	50	-	-	-	-	50	-
Total Expenditure	\$16,355	-	\$4,005	\$640	\$6,285	\$5,425	-	-	-	\$12,350	-

<i>Operating Impacts</i>									
Operating Expenses	-	-	1,235	3,725	3,725	3,725	3,725	12,410	
Debt Service	-	-	1,357	1,327	1,297	1,267	5,248		
Revenue	-	-	1,357	1,327	1,297	1,267	5,248		
General Fund Requirement	-	-	\$1,235	\$3,725	\$3,725	\$3,725	\$3,725	\$12,410	
Additional Positions (FTEs)	0.00	0.00	13.00	16.00	0.00	0.00	29.00		

Amounts expressed in thousands, excludes FTEs

Station 26 (Mid-County) Fire & Rescue

Total Project Cost - \$11.2M

Project Description

Station 26 (formerly referred to as Bacon Race) fire & rescue station will be approximately 18,000 square feet and house a pumper and Advanced Life Support (ALS) ambulance. Career staffing will be provided for a 24-hour pumper unit and a 24-hour medic unit.

The building will include sleeping quarters, a kitchen and dayroom, physical fitness room and offices. The station will include three apparatus bays, an area for personal protective equipment, and an exterior training tower.

Service Impact

- **Response Time Improvements** - The station's first due area will experience response time improvements. Systemwide response time improvements are also projected to improve, which will help ease the burden on existing stations.

Funding Sources

- **Fire levy funds** - \$9.8M
- **Developer contributions (proffers)** - \$1.3M
- **Service Authority Reimbursement (Credit)** - \$108K
- **Facility operating costs** will be funded by the fire levy.
- **Program operating costs (career staffing)** will be funded by the general fund and the fire levy will fund a portion of volunteer hours.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Design** began in July 2014 (FY14).
- **Construction** began March 2016 (FY16) and will be completed in August 2017 (FY17).
- **Occupancy** is scheduled for September 2017 (FY17).

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Fire Levy	9,865	9,791	-	(73)	-	-	-	-	-	(73)	-
Proffers	1,188	1,261	-	73	-	-	-	-	-	73	-
Service Authority Reimbursement	108	108	-	-	-	-	-	-	-	-	-
Total Revenue	\$11,160	\$11,160	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	802	663	100	39	-	-	-	-	-	39	-
Construction	9,023	1,106	6,010	1,907	-	-	-	-	-	1,907	-
Occupancy	450	-	450	-	-	-	-	-	-	-	-
Telecommunication	310	-	310	-	-	-	-	-	-	-	-
Project Management	575	133	442	-	-	-	-	-	-	-	-
Total Expenditure	\$11,160	\$1,902	\$7,312	\$1,946	-	-	-	-	-	\$1,946	-

<i>Operating Impacts</i>		FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		3,882	3,882	3,882	3,882	3,882	3,882	23,293
Debt Service		-	-	-	-	-	-	-
Revenue		500	500	500	500	500	500	3,000
General Fund Requirement		\$3,382	\$3,382	\$3,382	\$3,382	\$3,382	\$3,382	\$20,293
Additional Positions (FTEs)		-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Station 26 (Mid-County) Fire & Rescue



Adult Detention Center Phase II

Total Project Cost - \$45.7M

Project Description

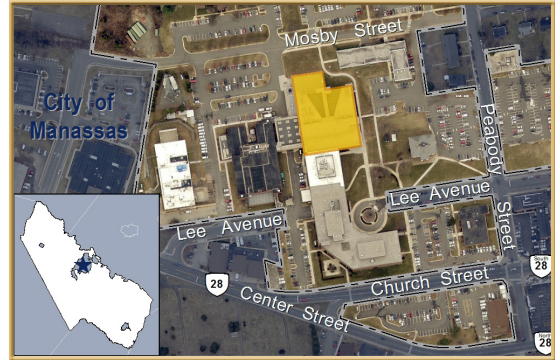
The project provides a second expansion adjacent to the existing Adult Detention Center (ADC) center and will include some repairs to the main jail, and a parking lot expansion. The expansion will provide bed space to alleviate current overcrowding and future inmate population growth.

Service Impact

- **Inmate Population** - This expansion provides future capacity for projected inmate population.
- **Bed Space** - The expansion will provide 204 additional general population beds in the Manassas Complex.
- **Support Increase of Average Daily Population (ADP)** - The current ADP, as defined by the 2014 Community Based Corrections Planning study, exceeds the existing rated capacity of the facility by 219 jail beds. The additional bed space will address the current need. The closure of the Peumansend Creek Regional jail in 2017 eliminates 75 available beds, adding to the current overcrowded situation.

Funding Sources

- **Debt financing** - \$20.8M
- **State reimbursement** - \$19.7M
- **Facilities capital reserve** - \$5.1M
- **General fund** - \$150K
- **Facility operating costs** will be funded by the general fund and the cities of Manassas and Manassas Park. Facility personnel are included in the FTE count and operating costs below and include 82 security positions



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

and 18 non-security positions. Staffing will be phased in over three years beginning in FY18.

Project Milestones

- **Planning and design** began in April 2015 (FY15) and is planned to be completed spring 2017 (FY17).
- **Construction** is scheduled to begin August 2017 (FY18) and be completed November 2019 (FY20).
- **Occupancy** is scheduled for January 2020 (FY20).

Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	150	150	-	-	-	-	-	-	-	-	-
Debt	20,802	-	-	19,700	20,802	-	(19,700)	-	-	20,802	-
State Rev	19,700	-	-	-	-	-	19,700	-	-	19,700	-
Other Revenue	5,071	5,071	-	-	-	-	-	-	-	-	-
Total Revenue	\$45,723	\$5,221	-	\$19,700	\$20,802	-	-	-	-	\$40,502	-
Cost Categories (Expenditures)											
Design/Planning	3,400	1,641	1,259	250	250	-	-	-	-	500	-
Construction	40,026	-	-	20,000	15,000	5,026	-	-	-	40,026	-
Occupancy	891	-	-	-	891	-	-	-	-	891	-
Telecommunication	406	-	-	-	406	-	-	-	-	406	-
Project Management	600	113	60	150	150	127	-	-	-	427	-
Other Project Costs	400	-	400	-	-	-	-	-	-	-	-
Total Expenditure	\$45,723	\$1,754	\$1,719	\$20,400	\$16,697	\$5,153	-	-	-	\$42,250	-
Operating Impacts											
	Operating Expenses		1,309	4,821	9,349	9,971	9,997	9,997	9,997	45,444	
	Debt Service		-	2,030	1,988	1,946	1,905	1,706	1,706	9,574	
	Revenue		-	-	1,000	2,000	2,000	2,000	2,000	7,000	
	General Fund Requirement		\$1,309	\$6,851	\$10,337	\$9,917	\$9,902	\$9,703	\$9,703	\$48,019	
	Additional Positions (FTEs)		28.00	45.00	27.00	-	-	-	-	100.00	

Amounts expressed in thousands, excludes FTEs

Adult Detention Center Phase II



Courthouse Security System Replacement

Total Project Cost - \$4.8M

Project Description

Replace the security system at the Judicial Center Courthouse complex, to include new cameras/surveillance equipment, digital video recorders (DVR) capable of recording and maintaining video footage for two weeks, new wiring compatible with the new surveillance equipment, and call boxes with surveillance cameras.

A needs assessment was completed in FY16 and will inform the design and implementation of the system. There will need to be additional maintenance funds to support the new system, which will be identified during planning and design.

Service Impact

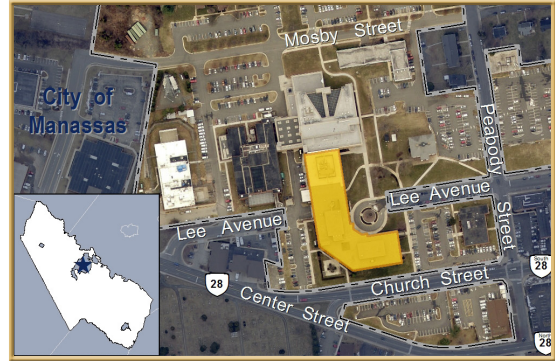
- **Improved Safety and Security at the Judicial Center**
 - Replacing the system will improve safety and security for visitors and employees in the complex by ensuring that access to sensitive areas is appropriately restricted and surveillance of areas is maintained.
- **Software and Hardware Life Cycle** - The life cycle of the software and hardware is at an end. System replacement is critical in order to support the security of the complex.

Funding Sources

- **General fund** - \$4.8M
- **Facility operating costs** will be funded by the general fund.

Project Milestones

- **Planning and design** began winter 2017 (FY17).
- **Implementation** dates and completion dates will be determined during the planning and design phase.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	4,790	4,555	234	-	-	-	-	-	-	-	-
Total Revenue	\$4,790	\$4,555	\$234	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	234	-	234	-	-	-	-	-	-	-	-
Construction	4,555	-	36	2,259	2,259	-	-	-	-	4,519	-
Total Expenditure	\$4,790	-	\$271	\$2,259	\$2,259	-	-	-	-	\$4,519	-
<i>Operating Impacts</i>											
	Operating Expenses		-	-	-	-	-	-	-	-	-
	Debt Service		-	-	-	-	-	-	-	-	-
	Revenue		-	-	-	-	-	-	-	-	-
	General Fund Requirement		-	-	-	-	-	-	-	-	-
	Additional Positions (FTEs)		-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

General District Courtroom No. 6

Total Project Cost - \$700K

Project Description

Construct a sixth courtroom for the General District Court on the second floor of the Judicial Center complex in Manassas. The space for the sixth courtroom currently contains a storage room for court files and a workroom for public safety staff. These functions will be relocated and the space will be renovated into the new courtroom. The new courtroom will be approximately 2,000 square feet in area.

Service Impact

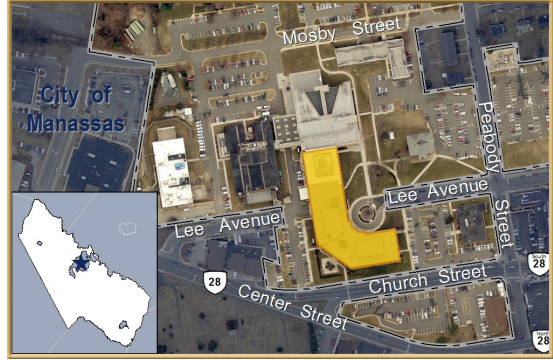
- **Support Increased Need for Courtroom Facilities** - General District Court will add one additional judge in FY17. The new courtroom is needed to accommodate the increased need for courtroom availability.

Funding Sources

- **General fund** - \$700K

Project Milestones

- **Planning and design** began in March 2016 (FY16) and was completed November 2016 (FY17).
- **Construction** is scheduled to begin August 2017 (FY17) and be completed December 2017 (FY18).
- **Occupancy** is planned for December 2017 (FY18).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	700	700	-	-	-	-	-	-	-	-	-
Total Revenue	\$700	\$700	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	100	-	20	80	-	-	-	-	-	80	-
Construction	546	-	-	546	-	-	-	-	-	546	-
Occupancy	54	-	-	54	-	-	-	-	-	54	-
Total Expenditure	\$700	-	\$20	\$680	-	-	-	-	-	\$680	-
<i>Operating Impacts</i>											
Operating Expenses			-	-	-	-	-	-	-	-	-
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Animal Shelter Expansion/Renovation

Total Appropriated Project Budget - \$1.0M (Total Project Estimate = \$12.7M)

Project Description

The project has funding to develop options for the construction of new shelter space and/or the renovation of approximately 6,000 square feet of existing shelter space. The site under review is at the existing Animal Shelter location at Independent Hill on Dumfries Road. Additionally, the project is envisioned to replace aging trailers, where staff is housed, and several aging/deteriorating outbuildings used for storage.

Features of the new facility could include expanded animal adoption areas, quarantine and visitation areas, veterinarian support space, feed and equipment storage areas, exam and grooming rooms, stray animal kennels, and space to address surge capacity related to animal cruelty and hoarding cases. All project design options will be in full compliance with Association of Shelter Veterinarians facility standards.

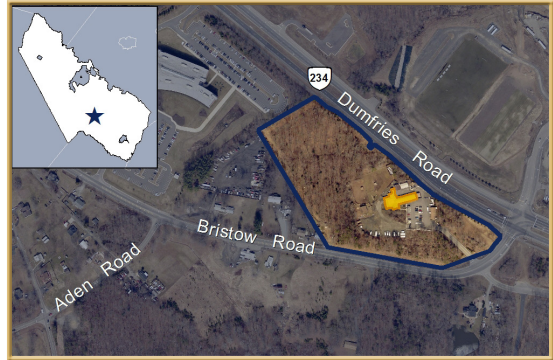
Design options will be presented in summer, 2017. The adopted Five-Year Plan includes debt service to finance up to \$12.7 million for the project as well as other operating costs for the expansion/renovation of the facility. This funding provides the capacity to support the project and ensures that staff can begin final design and construction immediately upon selection of a design option.

Service Impact

➤ Improve the Long-Term Support and Operation -

Improvement animal control services to include:

- Enhanced public accessibility to the shelter
- Housing of stray and homeless pets to include feeding, care and maintenance
- Quarantine of aggressive and potentially rabid animals, surrender of unwanted pets,



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,000	1,000	-	-	-	-	-	-	-	-	-
Total Revenue	\$1,000	\$1,000	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	900	-	221	-	-	-	-	-	-	-	679
Project Management	100	-	100	-	-	-	-	-	-	-	-
Total Expenditure	\$1,000	-	\$321	-	-	-	-	-	-	-	\$679

<i>Operating Impacts</i>	FY18	FY19	FY20	FY21	FY22	FY23
Operating Expenses	-	-	700	1,353	912	912
Debt Service	-	-	1,118	1,090	1,061	1,061
Revenue	-	-	-	-	-	-
General Fund Requirement	-	-	\$1,818	\$2,443	\$1,972	\$1,972
Additional Positions (FTEs)	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Animal Shelter Expansion/Renovation



Current Prince William County Animal Shelter

- Public education on animal laws, animal care and behavior,
 - Enforcement of state and local laws regarding domestic and agricultural animals,
 - Adoption and placement of pets in new homes,
 - Cremation of deceased animals,
 - Administration of vaccines to prevent the spread of contagious animal diseases, and
 - Housing of stray livestock, birds, and reptiles.
- **Capital Maintenance** - Replacement and renovation of the existing facility will extend the life of the facilities and protect the County investment in capital assets.
- **Public Safety Outcomes** - This project will support the following levels of service to the community:
- **Animal Control effectively protects citizens and animals:** 89% (2016 Community Survey)
 - **Total Calls for Animal Control Services:** 8,513 (FY18 Budget, FY16 Actual)

- **Animals Entering Shelter:** 4,019 (FY18 Budget, FY16 Actual)
- **Animals Adopted:** 46% (FY18 Budget, FY16 Actual)

Funding Sources

- **General fund** - \$1.0M

Note: Construction of the expansion or replacement will not occur until design options are chosen.

- **Debt service costs** will be funded by the general fund. The five year plan includes funding to support a \$12.7 million animal shelter construction project.
- **Facility operating costs** will be funded by the general fund. Operating costs will be refined as the design of the replacement facility is developed. The five year plan includes funding for operating costs.

Project Milestones

- **Planning and design** options will be available in summer 2017 with final design of the selected option occurring in FY18.
- **Construction** is scheduled to begin in FY19.
- **Occupancy** is scheduled for FY20.

Body Worn Cameras for Police Officers

Total Project Cost - \$3.0M

Project Description

Several high profile incidents across the country have generated public discussion for greater transparency and accountability regarding police actions and behaviors. A national movement for agencies to adopt Body Worn Camera (BWC) technology has been underway over the past couple of years.

Many agencies at the regional, state, and national levels are in the process of studying, piloting or implementing BWCs. Benefits of implementing BWCs include:

- Promote greater accountability, transparency, and public trust while protecting civil liberties.
- May result in reductions in citizen complaints, use of force incidents, civil litigation cases, and assaults on police officers.
- Videos used as a training tool to conduct post-incident review and make better-informed decisions.
- Provide improved documentation in reports and evidence collection.
- Assist in identifying and correcting internal agency issues (i.e. tactics, communication, customer service, officer safety, etc.)
- Discourage people from filing unfounded complaints against officers.

Service Impact

- **Public Safety Outcomes** - This project will provide the following levels of service to the community:
 - Citizen complaints per 1,000 police contacts: 0.04 (FY18 Budget, FY16 Actual)
 - Police department's overall performance meets community needs: 94% (2016 Community Survey)

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- Police department treats everyone fairly regardless of race, gender, ethnic or national origin: 90% (2016 Community Survey)
- Police officers are courteous and helpful to all community members: 92% (2016 Community Survey)
- Police department has positive attitudes and behaviors towards residents: 91% (2016 Community Survey)

Funding Sources

- **General fund** - \$3.0M
- **Program operating costs** will be funded by the general fund.

Project Milestones

- **Planning and design** began in summer 2015 (FY16).
- **Project implementation**, beginning with a pilot program, began in fall 2016 (FY17) and was completed in spring 2017 (FY17)
- **Full project implementation** is scheduled for fall 2017 (FY18) to be completed in FY18.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	3,000	3,000	-	-	-	-	-	-	-	-	-
Total Revenue	\$3,000	\$3,000	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Pre-Planning	229	209	20	-	-	-	-	-	-	-	-
Telecommunication	2,772	-	407	1,628	-	-	-	-	-	1,628	737
Total Expenditure	\$3,000	\$209	\$426	\$1,628	-	-	-	-	-	\$1,628	\$737

<i>Operating Impacts</i>	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses	171	844	844	844	844	844	4,388	
Debt Service	-	-	-	-	-	-	-	
Revenue	25	25	25	25	25	25	150	
General Fund Requirement	\$146	\$819	\$819	\$819	\$819	\$819	\$4,239	
Additional Positions (FTEs)	2.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00

Amounts expressed in thousands, excludes FTEs

Central District Police Station

Total Project Cost - \$28.6M

Project Description

The Central District Police Station will be a new 54,200 square foot facility and support space located on Davis Ford Road between the Prince William County Parkway and Asdee Lane. The facility will provide police services to the mid-county area, primarily the Dale City, Lake Ridge, and Davis Ford Road corridor. Personnel from the Patrol Service Bureau, Criminal Investigations Division, and Office of the Chief are planned to be located in this facility.

Service Impact

- **Public Safety Outcomes** - This project will provide the following levels of service to the community:
 - Police department's overall performance meets community needs: 94% (2016 Community Survey)
 - Police emergency response time: 6.2 minutes (FY18 Budget, FY16 Actual)
 - Residents feel safe in their neighborhoods: 93% (2016 Community Survey)

Funding Sources

- **Debt financing** - \$26.0M
- **General fund** - \$193K
- **Service Authority Water Connection Credit** - \$185K
- **Developer contributions (proffers)** - \$1K
- **Public Safety Training Center (PSTC) Driver Training Track capital project savings** - \$2.2M
- **Debt service and facility operating costs** will be funded by the general fund.



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Planning and design** began May 2014 (FY14).
- **Construction** began in November 2015 (FY16) with completion scheduled for September 2017 (FY18).
- **Occupancy** is scheduled for November 2017 (FY18).

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	193	193	-	-	-	-	-	-	-	-	-
Debt	25,975	25,975	-	-	-	-	-	-	-	-	-
Proffers	1	1	-	-	-	-	-	-	-	-	-
Service Authority Reimbursement	185	185	-	-	-	-	-	-	-	-	-
Other Revenue	2,236	2,236	-	-	-	-	-	-	-	-	-
Total Revenue	\$28,591	\$28,591	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	2,250	1,795	355	100	-	-	-	-	-	100	-
Construction	19,966	3,014	14,226	2,726	-	-	-	-	-	2,726	-
Occupancy	3,301	-	2,451	850	-	-	-	-	-	850	-
Telecommunication	1,938	-	1,938	-	-	-	-	-	-	-	-
Project Management	600	486	114	-	-	-	-	-	-	-	-
Other Project Costs	536	275	262	-	-	-	-	-	-	-	-
Total Expenditure	\$28,591	\$5,569	\$19,346	\$3,676	-	-	-	-	-	\$3,676	-

<i>Operating Impacts</i>	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses	2,167	2,170	2,177	2,177	2,177	2,177	13,045	
Debt Service	2,046	2,017	1,970	1,923	1,888	1,841	11,684	
Revenue	-	-	-	-	-	-	-	
General Fund Requirement	\$4,212	\$4,187	\$4,147	\$4,100	\$4,065	\$4,018	\$24,729	
Additional Positions (FTEs)	5.00	0	0	0	0	0	5.00	

Amounts expressed in thousands, excludes FTEs

Central District Police Station





Technology Improvement
PROJECTS

800 MHz Radio Communications System

Total Project Cost - \$22.2M

Project Description

The original 800 MHz Public Safety Radio Infrastructure Platform reached the end of contracted vendor service support and guaranteed replacement parts availability in 2013. This project includes the replacement and technology update to the County's 800 MHz System and a new microwave link at the Western District Police Station to support the new 800 MHz equipment.

Service Impact

- **Communications** - The 800 MHz system provides primary voice communications for all public safety agencies, to include, but not limited to, Public Safety Communications, County Police, Fire & Rescue, Sheriff, and the Adult Detention Center (ADC). This critical communication ensures that the appropriate resources arrive on the scene of emergency calls for service in the timeliest manner. The system is also used by the Public Schools Division, the Service Authority, and the Departments of Development Services, and Public Works as a primary means of communication between field personnel/resources and control centers/headquarters. The 800 MHz system averages 9,000 individual communications daily.
- **Radios** - There are approximately 4,900 radios in use in the system, which includes 1,580 law enforcement, 1,798 fire & rescue and 1,462 public service agency subscribers, including school buses.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Funding Sources

- **Capital reserve** - \$18.0M
- **Fire levy** - \$4.0M
- **Technology Internal Service Fund (ISF) fund balance** - \$245K
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **System design, budgetary analysis, request for proposals and vendor selection** completed in FY11.
- **Contract was approved** in FY12.
- **Acceptance testing and system cutover** was completed in FY14.
- **Radio site planning and design** for final radio site is underway in FY17.
- **Construction and system implementation** for final radio site is targeted for completion in FY19.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Capital Reserve	18,000	18,000	-	-	-	-	-	-	-	-	-
Fire Levy	4,000	4,000	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	245	245	-	-	-	-	-	-	-	-	-
Total Revenue	\$22,245	\$22,245	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Dev Deploy & Eval.	2,430	-	848	1,579	4	-	-	-	-	1,582	-
Conversion.	19,815	19,815	-	-	-	-	-	-	-	-	-
Total Expenditure	\$22,245	\$19,815	\$848	\$1,579	\$4	-	-	-	-	\$1,582	-

<i>Operating Impacts</i>		FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		1,132	1,155	1,238	1,264	1,290	1,316	7,395	
Debt Service		-	-	-	-	-	-	-	
Revenue		-	-	-	-	-	-	-	
General Fund Requirement		\$1,132	\$1,155	\$1,238	\$1,264	\$1,290	\$1,316	\$7,395	
Additional Positions (FTEs)		-	-	-	-	-	-	-	

Amounts expressed in thousands, excludes FTEs

ADC Information Management System

Total Project Cost - \$638K

Project Description

The ADC Information Management System includes two components – (1) the management of booking and digital photos of inmates at intake and release, arrest charges and sentence information, and (2) a new medical records system. The information managed includes inmate transfers and cell assignment, inmate accounts, and work-release activity. The current system was installed in 2000, underwent upgrades in 2003, 2007, and 2013 and will reach end of life in FY17.

Service Impact

- **System Maintenance** - The system will properly maintain the ADC information management system, aiding in inmate control and medical treatment, and fulfilling state reporting requirements.

Funding Sources

- **General fund** - \$550K
- **ISF fund balance** - \$88K
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Existing system upgrade** completed in FY14.
- **New system implementation and acceptance** for medical records and digital imaging is scheduled for FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	550	550	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	88	88	-	-	-	-	-	-	-	-	-
Total Revenue	\$638	\$638	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	476	-	204	272	-	-	-	-	-	272	-
Conversion.	162	162	-	-	-	-	-	-	-	-	-
Total Expenditure	\$638	\$162	\$204	\$272	-	-	-	-	-	\$272	-
<i>Operating Impacts</i>											
Operating Expenses			72	75	77	80	82	85	471		
Debt Service			-	-	-	-	-	-	-		
Revenue			-	-	-	-	-	-	-		
General Fund Requirement			\$72	\$75	\$77	\$80	\$82	\$85	\$471		
Additional Positions (FTEs)			-	-	-	-	-	-	-		

Amounts expressed in thousands, excludes FTEs

Cable Equipment

Total Project Cost - \$2.7M

Project Description

This project is made possible by separate cable franchise agreements between the County and the local cable television providers. The funding amount is 1 percent of the gross revenues generated in Prince William County (PWC) by the cable operators. Use of this revenue stream is restricted to cable-related capital needs.

The cable franchise fee revenue is split between the PWC Schools, for broadcast capability for educational and information programming, and the County. This project reflects the expenditure plan for the County's portion of the cable franchise fee revenue.

Service Impact

- **The Government Access Channel** - The channel provides general government programs to cable subscribers. Information is broadcast in the form of bulletin board messages, original programs, public service announcements, Board of County Supervisors meetings (both live and rebroadcast), and other programming.
- **Online presence for the County** - Used to share information about PWC government with residents. An essential component of that presence is video content.

Funding Sources

- **Cable franchise fee** - \$2.7M

Project Milestones

- **PWC Channel (play to air)** - Refresh of master control system to replace aging hardware completed in FY17. Currently, the Communications Office is in the process of working with different vendors to view demonstrations of the different products available that meet the county's needs.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Future Plans

- New broadcast equipment will be purchased and installed to continue to work toward more effective and efficient programming and video production.
- Improvements to the studio facility in Chinn Library with upgraded sound proofing, lighting set design and other items to create a more usable and efficient studio space.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Cable Franchise Fee	2,748	-	-	458	458	458	458	458	458	2,748	-
Total Revenue	\$2,748	-	-	\$458	\$458	\$458	\$458	\$458	\$458	\$2,748	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Pre-Planning	905	-	-	300	55	295	50	45	160	905	-
Occupancy	1,843	-	363	-	-	-	-	-	-	-	1,480
Total Expenditure	\$2,748	-	\$363	\$300	\$55	\$295	\$50	\$45	\$160	\$905	\$1,480

<i>Operating Impacts</i>		FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Computer Aided Dispatch (CAD)

Total Project Cost - \$6.5M

Project Description

Computer Aided Dispatch is hardware and software infrastructure that processes calls and dispatch of police officers, firefighters, and Emergency Medical Services (EMS). CAD interfaces with police/fire/EMS records management systems, mobile data, Westnet, E-911, pagers, SafetyPAD, and 800 MHz. The existing CAD system was accepted in 1999 and exceeds industry standards for replacement. During FY16, the County processed over 452,811 calls for service, of which approximately 187,955 were answered via E-911.

Service Impact

- **Call Management** - The effective management of calls for public safety service to the community is dependent on the CAD system.
- **Response, Reporting and Dispatching** - The CAD system is mission critical for public safety agencies in meeting emergency response, accurate reporting and dispatching and ensuring the health and safety of the community.

Funding Sources

- **E-911 fund balance** - \$6.1M
- **Internal Service Fund (ISF) fund balance** - \$433K
- **Annual operating costs** are funded by the general fund.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Needs analysis and RFP development** completed in FY11.
- **Candidate systems live test, demonstrations, and site visits** with current customers of candidate systems in FY12.
- **Contractor negotiations and selection** occurred in FY13.
- **CAD test and go live** occurred in FY15.
- **Integration with other systems** completed in FY17.
- **Acceptance** scheduled to occur in FY18.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	6,100	6,100	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	433	433	-	-	-	-	-	-	-	-	-
Total Revenue	\$6,533	\$6,533	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Dev Deploy & Eval.	1,789	-	1,155	634	-	-	-	-	-	634	-
Conversion.	4,744	4,744	-	-	-	-	-	-	-	-	-
Total Expenditure	\$6,533	\$4,744	\$1,155	\$634	-	-	-	-	-	\$634	-

<i>Operating Impacts</i>		FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		1,175	1,365	1,419	1,476	1,531	1,588	8,555
Debt Service		-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-
General Fund Requirement		\$1,175	\$1,365	\$1,419	\$1,476	\$1,531	\$1,588	\$8,555
Additional Positions (FTEs)		-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Disaster Recovery/Business Continuity

Total Project Cost - \$2.7M

Project Description

This project includes multiple sub-projects to ensure critical County systems and applications are redundant and reliable in the event of system failures. Additional facilities, generators, heating ventilation and air conditioning, fire suppression, battery plants, servers, data network components and application developments are required for a comprehensive disaster recovery and business continuity development plan.

Service Impact

- **Recovery and Continuity** - Disaster recovery and business continuity is critical to ensure essential public services such as Police, Fire & Rescue, and EMS continue in the event of catastrophic system-wide failure.

Funding Sources

- **General fund** - \$2.7M
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Individual projects** occurred in FY15 and FY16 to enhance sustainability, accessibility, reliability, and survivability of systems and infrastructure as identified by the Department of Information Technology and the Information Technology Steering Committee.
- **Implementation of the core infrastructure** (email, intranet, Internet redundancy, Active Directory redundancy) was completed in FY16.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- **Implementation of the application infrastructure** and the population of the data center with systems and data are projected for completion in FY17.
- **Increased storage and software needs**, including onsite private cloud are projected for completion in FY18 and FY19.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	2,730	2,730	-	-	-	-	-	-	-	-	-
Total Revenue	\$2,730	\$2,730	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	1,580	-	587	255	738	-	-	-	-	993	-
Conversion.	1,150	1,150	-	-	-	-	-	-	-	-	-
Total Expenditure	\$2,730	\$1,150	\$587	\$255	\$738	-	-	-	-	\$993	-
<i>Operating Impacts</i>											
Operating Expenses			9	9	9	9	9	9	9	51	
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			\$9	\$9	\$9	\$9	\$9	\$9	\$9	\$51	
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Total Project Cost - \$11.3M

Project Description

This project replaces the existing financial information management system, Performance, with a new system, Ascend. Ascend includes integrated modules using an integrated database for general ledger, purchasing, budgeting, accounts receivable, and accounts payable. Performance was implemented in 1999 and has been sold to different vendors twice in the last ten years. Future vendor software support is uncertain.

Service Impact

- **Software Life Cycle** - The life cycle of the software is at an end and continued vendor support is uncertain. Software replacement is critical in order to support and manage the County's budget, revenues, expenditures, and procurement.

Funding Sources

- **General fund** - \$10.0M
- **ISF fund balance** - \$1.3M
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Contract award for gap analysis and RFP development** was awarded in FY13.
- **Acquisition of system** completed in FY15.
- **System design and implementation** began in FY15 with go live completed in FY17.
- **System acceptance** scheduled for FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	10,000	10,000	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	1,317	792	525	-	-	-	-	-	-	-	-
Total Revenue	\$11,317	\$10,792	\$525	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Requirements	285	285	-	-	-	-	-	-	-	-	-
Dev Deploy & Eval.	11,032	8,630	2,063	339	-	-	-	-	-	339	-
Total Expenditure	\$11,317	\$8,915	\$2,063	\$339	-	-	-	-	-	\$339	-

<i>Operating Impacts</i>		FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		955	965	978	991	1,005	1,020	5,914	
Debt Service		-	-	-	-	-	-	-	
Revenue		-	-	-	-	-	-	-	
General Fund Requirement		\$955	\$965	\$978	\$991	\$1,005	\$1,020	\$5,914	
Additional Positions (FTEs)		-	-	-	-	-	-	-	

Amounts expressed in thousands, excludes FTEs

Human Resources Electronic Document Mgmt System

Total Project Cost - \$332K

Project Description

The existing Human Resource Information System (HRIS) Electronic Document Management System was designed in 2001 and no longer meets the business needs of the County. This project will redesign the electronic document management system used by Human Resources to allow for efficient retrieval of information and create the foundation for access to be role specific including Department level access. This redesign will also allow for more intuitive documents nomenclature, provide additional edit and maintenance functions, and standardize identification of folder and file properties across the system.

Service Impact

- **Workload Efficiencies** - The enhanced system designed by this project will provide better management of personnel records, enhance efficiency in research and retrieval, and limit duplication of storage of personnel documentation within the departments.

Funding Sources

- **General fund** - \$332K
- **Annual operating costs** will be funded by the general fund.

Project Milestones

- **New system implementation and acceptance** is anticipated to be completed in FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	332	-	332	-	-	-	-	-	-	-	-
Total Revenue	\$332	-	\$332	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Dev Deploy & Eval.	332	-	50	282	-	-	-	-	-	282	-
Total Expenditure	\$332	-	\$50	\$282	-	-	-	-	-	\$282	-
<i>Operating Impacts</i>											
Operating Expenses				15	16	16	17	18	18	99	
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				\$15	\$16	\$16	\$17	\$18	\$18	\$99	
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Human Capital Management/Payroll System Replacement

Total Project Cost - \$1.0M

Project Description

This project defines requirements and options for the replacement of the existing Stargarden Human Capital Management/Payroll System (HCMP). The current system will no longer be vendor-supported in FY18. The system requirements process will include an assessment of whether to upgrade to a new version with the current vendor or select a new system.

Service Impact

- **Human Capital Management** - Modernization of the human resources system will increase business agility with the following key enablers: the cloud, mobile, social, analytics, and big data. This project will provide increased capabilities and compliance in all areas of human resources and payroll including talent management and succession planning, timekeeping, learning management, onboarding, employee and manager portal, benefit management, strategic and responsive reporting and business intelligence and facilitate targeted training. Statistics show that modern HCMP systems attract top talent and a modern workforce.

Funding Sources

- **General fund** - \$1.0M

Project Milestones

- **Develop system requirements** in FY18.
- **Future steps and system implementation** will follow after the development of requirements and additional appropriation of funding.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,000	-	1,000	-	-	-	-	-	-	-	-
Total Revenue	\$1,000	-	\$1,000	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Requirements.	300	-	225	75	-	-	-	-	-	75	-
Dev Deploy & Eval.	700	-	-	-	-	-	-	-	-	-	700
Total Expenditure	\$1,000	-	\$225	\$75	-	-	-	-	-	\$75	\$700
<i>Operating Impacts</i>											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Information Technology Upgrades & Improvements

Total Project Cost - \$400K

Project Description

This project provides important smaller scale technology improvements throughout the County government. Generally, these individual projects cost less than \$500,000 and provide ongoing capital replacement, upgrades, and improvement of the County's technology infrastructure, including networking and telecommunications hardware, servers and applications software.

Service Impact

- **Availability of Radio Communications** - Upgrades to the radio equipment allow for reliable public safety radio communications.

Funding Sources

- **ISF fund balance** - \$400K

Project Milestones

- **Upgrades completed during FY17** include Microwave Test Equipment.
- **Installation** of Microwave Multiplexers and Fire Station Alert Encoder will be completed in FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	400	400	-	-	-	-	-	-	-	-	-
Total Revenue	\$400	\$400	-	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Dev Deploy & Eval.	400	-	-	400	-	-	-	-	-	400	-
Total Expenditure	\$400	-	-	\$400	-	-	-	-	-	\$400	-

<i>Operating Impacts</i>											
Operating Expenses	-	-	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-	-	-
Revenue	-	-	-	-	-	-	-	-	-	-	-
General Fund Requirement	-	-	-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)	-	-	-	-	-	-	-	-	-	-	-

Total Project Cost - \$3.2M

Project Description

Phase I of this project replaced the end-of-life core network equipment with newer, more efficient optical network equipment that reduced power consumption, cooling and annual maintenance costs by approximately \$75,000. The Phase I upgrade increased the network bandwidth capacity in anticipation of future network growth and to support the Disaster Recovery project requirements. Phase II is the installation of new routers to support the requirements for increased capacity between the data centers.

Cable franchise grant fees fund replacement of end of life equipment and to purchase new equipment when needed to accommodate future needs for increased network capacity.

Service Impact

- **Bandwidth and Resiliency** - The project will add capacity for two County government data center facilities. This dedicated capacity supports the requirements for replication, backup CAD and Public Safety Communications Center, internet services, remote access, plus other critical services. The technology provides resiliency for the core network equipment with automatic failover. Other features include reduced management overhead and simplified modifications and additions.

Funding Sources

- **General fund** - \$1.0M
- **Capital reserve** - \$930K
- **Cable franchise fee** - \$1.2M

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Evaluated solutions** with vendors in FY12.
- **Installed system upgrade** in FY12 (Phase I).
- **Install additional network equipment** to add capacity between primary and secondary data centers (Phase II) in FY15 and FY16, with recurring replacements every seven years.
- **Replace existing network equipment** in FY18 and FY23, with recurring replacements every seven years.
- **Replace optical equipment** in FY27.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,045	1,045	-	-	-	-	-	-	-	-	-
Capital Reserve	930	930	-	-	-	-	-	-	-	-	-
Cable Franchise Fee	1,225	-	175	175	175	175	175	175	175	1,050	-
Total Revenue	3,200	1,975	175	175	175	175	175	175	175	1,050	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	1,736	-	-	312	-	-	-	-	650	962	774
Conversion.	1,464	1,464	-	-	-	-	-	-	-	-	-
Total Expenditure	3,200	1,464	-	312	-	-	-	-	650	962	774
<i>Operating Impacts</i>											
Operating Expenses			-	-	-	-	-	-	-	-	-
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Land Use Information System (Energov)

Total Project Costs - \$4.5M

Project Description

The Land Use Information System manages land and building development and code enforcement information. The system manages and tracks plan review, permits, inspections, violations and other applications approvals and fee collection. It is used by 300+ users across all development agencies. The system also supports mobile devices, interactive voice response, online scheduling and customer e-services.

The project for replacing the system is divided into three phases. Phase I replaces online services related to land development (such as e-permits, e-inspections, e-plan status) and replaces the automated phone scheduling system. Phase I also includes the implementation of a customer portal. Phase II incorporates electronic plan review capabilities. Phase II incorporates additional enhancements to improve utility of the system. Phase III incorporates enhancements to the system.

Service Impact

- **Partnerships** - Facilitate partnership between staff and customers.
- **Integration** - Spatially integrate Geographic Information Systems (GIS).
- **Automation** - Streamline business processes through automated workflows.
- **Efficiencies** - Achieve efficiencies through paperless/electronic processes.
- **Access** - Expand citizen access and project oriented tracking.

Funding Sources

- **ISF fund balance** - \$4.0M
- **Development fees** - \$500K

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- **Annual operating costs** for Phases 1 and 2 will be funded by general fund, and for Phase 3, by development fees.

Project Milestones

- **Vendor selection** and contract completed in FY12.
- **System assessment** completed in FY13.
- **System configuration and user acceptance testing** for Phase I was completed in FY15.
- **Production deployment** of Phase I was completed November 2014 (FY15).
- **Electronic plan review capabilities (Phase II)** scheduled for FY18.
- **Enhancements** to inspections, contact management, proffers, customer portal, code enforcement, and overall utility (Phase III) scheduled for FY18.
- **Batch permitting and enhancements** to system setup, GIS viewer, object management, eReview, attached documentation, custom fields, fees, user roles, and customer portal (Phase III) scheduled for FY18.

Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	4,000	4,000	-	-	-	-	-	-	-	-	-
Development Fee	500	400	-	100	-	-	-	-	-	100	-
Total Revenue	\$4,500	\$4,400	-	\$100	-	-	-	-	-	\$100	-

Cost Categories (Expenditures)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Dev Deploy & Eval.	1,749	-	597	1,152	-	-	-	-	-	1,152	-
Conversion.	2,751	2,751	-	-	-	-	-	-	-	-	-
Total Expenditure	\$4,500	\$2,751	\$597	\$1,152	-	-	-	-	-	\$1,152	-

Operating Impacts	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses	231	249	260	272	285	299	1,597	
Debt Service	-	-	-	-	-	-	-	
Revenue	-	18	19	20	21	22	99	
General Fund Requirement	\$231	\$231	\$241	\$252	\$264	\$278	\$1,498	
Additional Positions (FTEs)	-	-	-	-	-	-	-	

Amounts expressed in thousands, excludes FTEs

Microwave Radio Transmitters on Central Rings

Total Project Cost - \$1.0M

Project Description

Point-to-point microwave radio transmitters provide highly reliable public safety grade broadband voice and data communications links between the County's radio towers and major County facilities. Some of these radio transmitters need replacement since they are nearing the end of their service support life cycle. At the end of the life cycle, the manufacturer no longer guarantees support and replacement parts availability.

The County's microwave radio transmitters provide vital interconnectivity between remote base station sites and the "prime sites" at major County facilities for the County's 800 MHz Public Safety two-way radio system upon which Fire & Rescue, Police, Sheriff, and the ADC staff depend.

Service Impact

- **Reliability** - Radio communications in support of County public safety operations will continue.

Funding Sources

- **General fund** - \$1.0M

Project Milestones

- **Equipment replacement** is expected to be completed in FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,000	-	1,000	-	-	-	-	-	-	-	-
Total Revenue	\$1,000	-	\$1,000	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	1,000	-	-	1,000	-	-	-	-	-	1,000	-
Total Expenditure	\$1,000	-	-	\$1,000	-	-	-	-	-	\$1,000	-
<i>Operating Impacts</i>											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Public Safety Records/EMS System

Total Project Cost - \$10.7M

Project Description

This project replaces three critical systems that facilitate record keeping, data collection, data processing, and reporting to include local, state, and federal requirements. Records Management includes fire, EMS and police incident-reporting, summons and police incident history, and performs property tracking, resource reporting and planning as well as statistical analysis for decision-making. Mobile Data provides immediate and uninterrupted access to CAD, Records Management and links to outside resources such as the Virginia Criminal Information Network field emergency service providers through a secure network. The EMS reporting system is designed for patient care reporting as required by the Virginia State Office of EMS and is an integral part of the EMS billing platform.

The existing systems exceed industry standards for replacement. The replacement cycle for this hardware and software meets industry standard if completed on schedule.

Service Impact

- **Safety** - Improved citizen and provider safety due to more rapid availability of information, including floor plans, geographic information system (GIS) data, hazardous materials information, and situational awareness information.
- **Accuracy and Timeliness** - More accurate and timely reporting is critical in meeting local, state, and federal reporting requirements.

Funding Sources

- **General fund** - \$10.3M
- **ISF fund balance** - \$408K
- **Annual operating costs** are funded by the general fund.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Project Milestones

- **Needs analysis and request for proposals (RFP) development** completed in FY11.
- **Candidate systems live test, demonstrations, and site visits** with current customers of candidate systems conducted in FY12.
- **Contractor negotiation and selection** completed in FY13.
- **Records management system (RMS) test and system acceptance** in FY18.
- **Post system acceptance enhancement tests and acceptance** in FY19.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	10,264	10,264	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	408	408	-	-	-	-	-	-	-	-	-
Other Revenue	59	59	-	-	-	-	-	-	-	-	-
Total Revenue	\$10,731	\$10,731	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	3,561	-	1,775	961	825	-	-	-	-	1,786	-
Conversion.	7,170	7,170	-	-	-	-	-	-	-	-	-
Total Expenditure	\$10,731	\$7,170	\$1,775	\$961	\$825	-	-	-	-	\$1,786	-
<i>Operating Impacts</i>											
Operating Expenses			1,175	1,365	1,419	1,476	1,531	1,588	8,555		
Debt Service			-	-	-	-	-	-	-		
Revenue			-	-	-	-	-	-	-		
General Fund Requirement			\$1,175	\$1,365	\$1,419	\$1,476	\$1,531	\$1,588	\$8,555		
<i>Additional Positions (FTEs)</i>			-	-	-	-	-	-	-		

Amounts expressed in thousands, excludes FTEs

Qmatic Replacement

Total Project Cost - \$200K

Project Description

The Qmatic system is the queuing system used by all development services customer service counters, including Development Services, Geographic Information System (GIS), and Public Works Environmental Services. The system routes customers through a series of customer service counters based on the business they are doing with the County. The system includes servers, software on all counter and early assistance workstations, self-serve customer kiosks and the equipment, and software to run video monitors though out the Development Services building, digital signs for each counter, and the audio announcement system to alert customers.

The current system was installed in 2006 and upgraded in 2012. The current version of Qmatic (Ensemble) has been discontinued by the vendor and will not be upgraded to support any browser beyond Internet Explorer 11 (IE11). Microsoft is ending support for the IE11 browser by January 2020, which means Qmatic Ensemble will no longer be viable. In order to move to a different Qmatic suite of software, all customized routing and functions for PWC would have to be repeated, essentially replacing the current software. In addition, the equipment is ten years old and will need to be replaced.

Service Impact

- **Streamline routing** of customers for various services.
- **Ensure customers receive all necessary services** in the order required by the development process.
- **Accountability for all agencies** on providing quick and efficient customer service.
- **Improve services** by creating/adjusting queues and staffing levels based on system statistics.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- **Allow customers to relax/work in the lobby or other locations of the building** while waiting instead of standing in line.

Funding Sources

- **Development fees** - \$200K
- **Annual operating costs** will be funded by development fees.

Project Milestones

- **Design, production, implementation, and acceptance** will occur in FY18.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Development Fee	200	-	-	200	-	-	-	-	-	200	-
Total Revenue	\$200	-	-	\$200	-	-	-	-	-	\$200	-
<i>Cost Categories (Expenditures)</i>											
Project Mgmt.	10	-	-	10	-	-	-	-	-	10	-
Requirements.	10	-	-	10	-	-	-	-	-	10	-
Plan & Analysis.	23	-	-	23	-	-	-	-	-	23	-
Dev Deploy & Eval.	157	-	-	157	-	-	-	-	-	157	-
Total Expenditure	\$200	-	-	\$200	-	-	-	-	-	\$200	-
<i>Operating Impacts</i>											
Operating Expenses				-	11	15	16	17	18	77	
Debt Service				-	-	-	-	-	-	-	
Revenue				-	11	15	16	17	18	77	
General Fund Requirement				-	-	-	-	-	-	-	
Additional Positions (FTEs)				-	-	-	-	-	-	-	

Amounts expressed in thousands, excludes FTEs

Sheriff Information Management System

Total Project Cost - \$200K

Project Description

The Sheriff's Office maintains a web-based system that logs, tracks, and maintains records for service of civil and criminal process. The application was custom developed for the Sheriff's Office. Process service calculations are submitted to the state for funding.

Service Impact

- **Process Service** - Accurate and timely service of court processes is critical to effective State Court operation.

Funding Sources

- **ISF fund balance** - \$200K
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Established requirements** in FY12.
- **Contract executed** in FY14.
- **Selected modules implemented** in FY15.
- **Complete implementation, test, and accept additional modules** in FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Internal Services Fund Balance	200	200	-	-	-	-	-	-	-	-	-
Total Revenue	\$200	\$200	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	61	-	-	61	-	-	-	-	-	61	-
Conversion.	139	139	-	-	-	-	-	-	-	-	-
Total Expenditure	\$200	\$139	-	\$61	-	-	-	-	-	\$61	-
<i>Operating Impacts</i>											
Operating Expenses			19	20	21	22	23	25	131		
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			\$19	\$20	\$21	\$22	\$23	\$25	\$131		
Additional Positions (FTEs)			-	-	-	-	-	-	-		

Amounts expressed in thousands, excludes FTEs

Social Services Electronic Document Management System

Total Project Cost - \$556K

Project Description

The Department of Social Services has a need for Electronic Document Management System that can store client documents in a manageable, retrievable, and searchable format. The project includes licenses, a new server for file storage, an automated scanning server, and set up and customization of the system to meet business needs.

Service Impact

- **Efficiencies** - Reduce and eliminate paper storage; improve efficiency and reduce errors.

Funding Sources

- **General fund** - \$400K
- **ISF fund balance** - \$156K
- **Annual operating costs** are funded by the general fund.

Project Milestones

- **Establish requirements** in FY15.
- **Develop and begin build of system** in FY17.
- **Implement, test, and accept system** in FY18.

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	
Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	400	400	-	-	-	-	-	-	-	-	-
Internal Services Fund Balance	156	156	-	-	-	-	-	-	-	-	-
Total Revenue	\$556	\$556	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Dev Deploy & Eval.	556	-	110	446	-	-	-	-	-	446	-
Total Expenditure	\$556	-	\$110	\$446	-	-	-	-	-	\$446	-
<i>Operating Impacts</i>											
Operating Expenses				79	82	84	86	89	93	513	
Debt Service				-	-	-	-	-	-	-	
Revenue				-	-	-	-	-	-	-	
General Fund Requirement				\$79	\$82	\$84	\$86	\$89	\$93	\$513	
Additional Positions (FTEs)				-	-	-	-	-	-	-	

Amounts expressed in thousands, excludes FTEs



Transportation **PROJECTS**

Fuller / Fuller Heights Road Improvements

Total Project Cost - \$4.4M

Project Description

This project will widen Fuller Road, which is the entrance road serving the Quantico Marine Corps Base, the Town of Quantico, and communities adjacent to the military base. The improvements will convert the existing four-lane undivided road to a four-lane divided section. In addition, the project will relocate Fuller Road and Fuller Heights Road intersection to the east to maximize the spacing from the intersection of Route 1 (Jefferson Davis Highway) and Fuller Road.

Service Impact

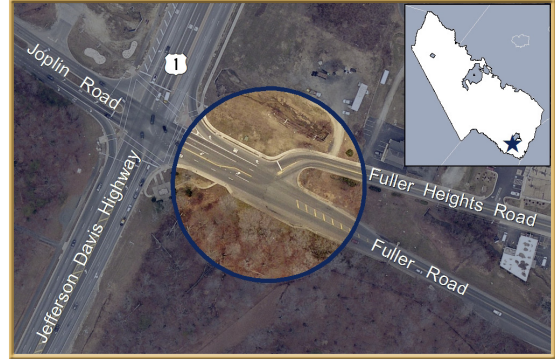
- **Relieve Congestion and Improve Safety** - Construction of this roadway will help alleviate congestion and improve safety, specifically during peak morning and evening travel periods.

Funding Sources

- **Public lands federal funding** - \$3.7M
- **Developer contributions (proffers)** - \$768K

Project Milestones

- **Design began** in FY10 and was completed in FY12.
- **Construction** is scheduled to begin spring 2018 (FY18) with completion scheduled in summer 2019 (FY19).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Federal Rev	3,659	3,659	-	-	-	-	-	-	-	-	-
Proffers	768	768	-	-	-	-	-	-	-	-	-
Total Revenue	\$4,426	\$4,426	-	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	634	634	-	-	-	-	-	-	-	-	-
Construction	3,307	-	-	992	2,315	-	-	-	-	3,307	-
Right of Way/Land	137	-	137	-	-	-	-	-	-	-	-
Project Management	348	348	-	-	-	-	-	-	-	-	-
Total Expenditure	\$4,426	\$982	\$137	\$992	\$2,315	-	-	-	-	\$3,307	-
<i>Operating Impacts</i>											
Operating Expenses			-	-	-	-	-	-	-	-	-
Debt Service			-	-	-	-	-	-	-	-	-
Revenue			-	-	-	-	-	-	-	-	-
General Fund Requirement			-	-	-	-	-	-	-	-	-
Additional Positions (FTEs)			-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Minnieville Road (Spriggs to Route 234)

Total Project Cost - \$39.2M

Project Description

This project widens, realigns, and improves Minnieville Road from an existing two-lane roadway to a four-lane divided roadway with a raised median from Spriggs Road to Route 234 (Dumfries Road).

Service Impact

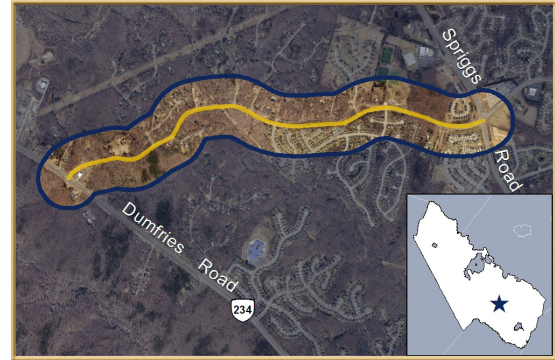
- **Connectivity** - Complete the four-lane widening of Minnieville Road from its northern terminus with Old Bridge Road to its southern terminus at Route 234 (Dumfries Road).

Funding Sources

- **Developer contributions (proffers)** - \$3.7M
- **Prince William Service Authority Reimbursement** - \$1.2M
- **Revenue sharing funds from the Commonwealth of Virginia** will help fund the project's construction - \$4.5M
- **30% NVTAF funding** will be used to support construction activities and to match the revenue sharing funds for the right-of-way acquisition and construction phases of the project - \$20.0M
- **General fund support** - \$1.1M

Project Milestones

- **Design** began in September 2013 (FY14) and was completed in December 2016 (FY17).
- **Right-of-way acquisition** began in FY16.
- **Construction** began in fall 2016 (FY17) and is planned for completion in October 2018 (FY19).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	1,110	1,110	-	-	-	-	-	-	-	-	-
NVTA 30%	19,950	19,950	-	-	-	-	-	-	-	-	-
State Rev	13,248	13,248	-	-	-	-	-	-	-	-	-
Proffers	3,725	3,725	-	-	-	-	-	-	-	-	-
Service Authority Reimbursement	1,182	-	1,182	-	-	-	-	-	-	-	-
Total Revenue	\$39,215	\$38,033	\$1,182	-	-	-	-	-	-	-	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	815	-	815	-	-	-	-	-	-	-	-
Construction	34,608	-	11,103	16,592	6,913	-	-	-	-	23,505	-
Right of Way/Land	61	-	61	-	-	-	-	-	-	-	-
Conversion	3,731	3,731	-	-	-	-	-	-	-	-	-
Total Expenditure	\$39,215	\$3,731	\$11,978	\$16,592	\$6,913	-	-	-	-	\$23,505	-
<i>Operating Impacts</i>											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Neabsco Mills Road (Route 1 to Dale Blvd)

Total Project Cost - \$26.9M

Project Description

The project will design and construct roadway improvements to widen Neabsco Mills Road from two-lanes to four-lanes from Route 1 to Dale Boulevard. The design of the project will include intersection improvements, bicycle/pedestrian facilities, curb and gutter, and a raised median. Currently, only funding for design has been approved and appropriated. The project plan is for state, federal and NVT A 30% funding to be appropriated in FY17-18.

Service Impact

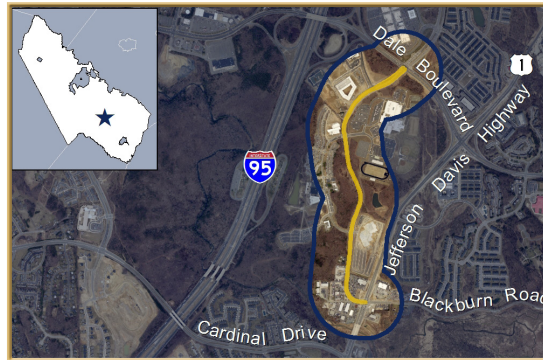
- **Relieve Congestion and Improve Safety** - Construction improvements along this corridor will help alleviate congestion and produce higher safety standards at intersections and dangerous curves. The highest service impact will be experienced during peak morning and evening travel periods.

Funding Sources

- **Regional Surface Transportation Program (RSTP)** - \$1.6M
Note: Additional funding will need to be appropriated to move forward with right-of-way acquisition, utility relocation, and construction.
- **State and Federal Revenue** - \$19.3M (future planned appropriation)
- **NVT A 30% funding** - \$6.0M (future planned appropriation)

Project Milestones

- **Design** began in April 2017 (FY17) and is scheduled for completion February 2018 (FY18).
- **The Commonwealth Transportation Board (CTB) FY2018 SMART SCALE** prioritization process



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

includes a combined Neabsco Mills Road Widening with Potomac Town Center Garage project. Final CTB recommendations on funding for SMART SCALE projects are scheduled to be made in summer 2017.

- **Right-of-way acquisition, utility relocation, and construction** final completion dates will be determined during the design phase. The current schedule estimates have construction beginning in spring 2018 (FY19) with completion in October 2020 (FY21).

Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
NVT A 30%	6,000	-	1,000	5,000	-	-	-	-	-	5,000	-
State Rev	6,628	1,615	-	5,013	-	-	-	-	-	5,013	-
Federal Rev	14,287	-	3,547	961	1,300	1,800	6,678	-	-	10,739	-
Total Revenue	\$26,915	\$1,615	\$4,547	\$10,975	\$1,300	\$1,800	\$6,678	-	-	\$20,753	-

Cost Categories (Expenditures)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	1,801	-	570	703	528	-	-	-	-	1,231	-
Construction	20,814	-	-	3,729	5,485	4,971	6,629	-	-	20,814	-
Right of Way/Land	4,300	-	-	1,075	2,150	1,075	-	-	-	4,300	-
Total Expenditure	\$26,915	-	\$570	\$5,507	\$8,163	\$6,046	\$6,629	-	-	\$26,345	-

Operating Impacts	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Operating Expenses	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-
Revenue	-	-	-	-	-	-	-
General Fund Requirement	-	-	-	-	-	-	-
Additional Positions (FTEs)	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Potomac Town Center Commuter Parking Garage

Total Project Cost - Pending (identified funding sources = \$1.1M)

Project Description

The Potomac Town Center commuter-parking garage is a planned 1,400 space commuter-parking structure in the vicinity of the existing Potomac Town Center at Stonebridge. The structure will include 1,400 spaces that will be a shared use with commuters using it during weekdays and the potential Potomac Nationals Minor League Baseball team stadium using it on nights and weekends. The total project cost estimate will be defined after the concept design is developed.

Service Impact

- **Connectivity and Citizen Satisfaction** - This project will increase connectivity and the number of citizens satisfied with their ease of travel within the County by providing commuters additional parking options for carpooling on the I-95 corridor.
- **Economic Development** - This project will increase the number of residents traveling in and around the retail businesses within the Potomac Town Center area.

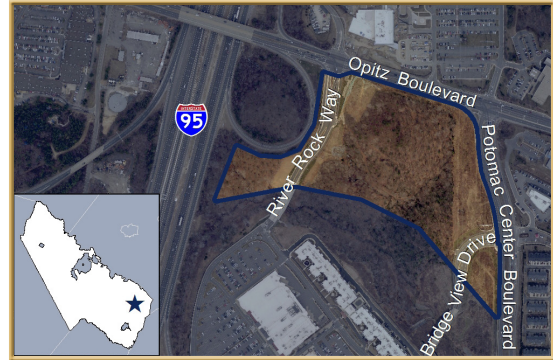
Funding Source

- **General fund (Woodbridge TRIP) - \$140K**
- **State funding allocated in the VDOT Six-Year Improvement Program - \$1.0M**

Note: Additional funding will need to be identified to move forward with full design and construction.

Project Milestones

- **Concept design and transportation impact analysis** of the proposed garage was completed in spring 2017 (FY17).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

- **The CTB FY2018 SMART SCALE** prioritization process includes a combined Neabsco Mills Road Widening with Potomac Town Center Garage project. Final CTB recommendations on funding for SMART SCALE projects are scheduled to be made in summer 2017.
- **Final design** will begin if agreements between all parties are finalized, funding is identified, and final notice to proceed occurs.
- **Construction and completion dates** for the commuter garage will be determined during the design phase.

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	140	-	140	-	-	-	-	-	-	-	-
State Rev	1,000	-	-	-	-	-	-	-	-	-	1,000
Total Revenue	\$1,140	-	\$140	-	-	-	-	-	-	-	\$1,000

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	140	-	140	-	-	-	-	-	-	-	-
Construction	1,000	-	-	-	-	-	-	-	-	-	1,000
Total Expenditure	\$1,140	-	\$140	-	-	-	-	-	-	-	\$1,000

<i>Operating Impacts</i>		FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Route 1 (Featherstone to Marys Way)

Total Project Cost - \$95.8M

Project Description

The widening of Route 1 from Featherstone Road to Marys Way, spanning 1.3 miles, improves this section of Route 1 from a four-lane undivided highway to a six-lane divided highway. The project includes improvements at all intersections within the project limits including modification to signals, separation of intersections, pedestrian improvements at signalized intersections, and a multi-use trail and sidewalk.

Service Impact

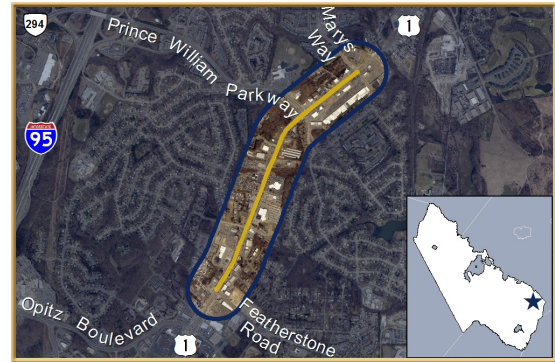
- **Relieve Congestion and Improve Safety** - Widening this roadway will alleviate congestion and improve safety. The service impact will be most noticeable during peak morning and evening travel periods.

Funding Sources

- **Northern Virginia Transportation Authority (NVTA) 70% funding** - \$63.4M
- **Regional Surface Transportation Program (RSTP)** - \$21.5M
- **State funds** - \$10.9M

Project Milestones

- **Design** began in February 2015 (FY15) and is scheduled to be completed in October 2017 (FY18).
- **Right-of-way acquisition** began in fall 2015 (FY16).
- **Construction** is scheduled to begin in January 2018 (FY18) for completion in April 2021 (FY21).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
NVTA 70%	63,400	52,400	11,000	-	-	-	-	-	-	-	-
State Rev	10,937	10,937	-	-	-	-	-	-	-	-	-
Federal Rev	21,504	21,504	-	-	-	-	-	-	-	-	-
Total Revenue	\$95,840	\$84,840	\$11,000	-	-	-	-	-	-	-	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	3,960	1,233	1,922	805	-	-	-	-	-	805	-
Construction	61,880	-	-	24,500	20,880	9,000	7,500	-	-	61,880	-
Right of Way/Land	30,000	-	16,200	13,800	-	-	-	-	-	13,800	-
Total Expenditure	\$95,840	\$1,233	\$18,122	\$39,105	\$20,880	\$9,000	\$7,500	-	-	\$76,485	-

<i>Operating Impacts</i>		FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23
Operating Expenses		-	-	-	-	-	-	-
Debt Service		-	-	-	-	-	-	-
Revenue		-	-	-	-	-	-	-
General Fund Requirement		-	-	-	-	-	-	-
Additional Positions (FTEs)		-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Route 28 Phase 2 (Infantry Ln to Fitzwater Dr)

Total Project Cost - \$33.6M

Project Description

This project involves widening the currently undivided two-lane roadway section of Route 28 from Infantry Lane (north of realigned Vint Hill Road) to Fitzwater Drive to a four-lane divided roadway. This is the second phase of the Route 28 widening project.

Service Impact

- **Relieve Congestion and Improve Safety** - Widening this roadway will alleviate congestion and improve safety. The service impact will be most noticeable during peak morning and evening travel periods.

Funding Sources

- **NVTA 70% funding** - \$28.0M
- **Developer contributions (proffers)** - \$3.7M

Project Milestones

- **Design** was completed in June 2015 (FY15).
- **Right-of-way acquisition and utility relocation** began in October 2015 (FY16).
- **Construction** is scheduled to begin in July 2017 (FY18) and be completed in October 2019 (FY20).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Funding Sources (Revenue)											
NVTA 70%	28,000	28,000	-	-	-	-	-	-	-	-	-
Proffers	5,604	5,604	-	-	-	-	-	-	-	-	-
Total Revenue	\$33,604	\$33,604	-	-	-	-	-	-	-	-	-
Cost Categories (Expenditures)											
Construction	33,604	-	1,120	19,602	12,882	-	-	-	-	32,484	-
Total Expenditure	\$33,604	-	\$1,120	\$19,602	\$12,882	-	-	-	-	\$32,484	-
Operating Impacts											
	Operating Expenses		-	-	-	-	-	-	-	-	-
	Debt Service		-	-	-	-	-	-	-	-	-
	Revenue		-	-	-	-	-	-	-	-	-
	General Fund Requirement		-	-	-	-	-	-	-	-	-
	Additional Positions (FTEs)		-	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Route 28 Phase 3 (Pennsylvania Ave to Linton Hall)

Total Project Cost - \$26.7M

Project Description

The project widens Route 28 from Pennsylvania Avenue to Linton Hall Road. The project spans approximately 1.5 miles, which will widen this section of Route 28 from a four-lane undivided highway to a six-lane divided highway to include a multi-use trail and sidewalk. The funding will cover all phases of the project, which includes the study phase, preliminary engineering, final design, right-of-way, and construction.

Service Impact

- **Relieve Congestion and Improve Safety** - Widening this roadway will alleviate congestion and improve safety. The service impact will be most noticeable during peak morning and evening travel periods.
- **Enhance Connectivity** - This project will connect to the Route 28 project that involves the relocation of Route 215 (Vint Hill Road) and widening of Route 28 from Linton Hall Road to Fitzwater Drive.

Funding Sources

- **NVTA 70% funding** - \$26.7M

Project Milestones

- **Design** began in November 2016 (FY17) and is scheduled to be completed by May 2018 (FY18).
- **Right-of-way acquisition** is scheduled to be completed by June 2018 (FY18).
- **Construction** is scheduled to begin in May 2018 (FY18) for completion in September 2020 (FY21).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

Funding Sources (Revenue)	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
NVTA 70%	26,700	16,700	10,000	-	-	-	-	-	-	-	-
Total Revenue	\$26,700	\$16,700	\$10,000	-	-	-	-	-	-	-	-
Cost Categories (Expenditures)											
Design/Planning	2,000	8	782	1,210	-	-	-	-	-	1,210	-
Construction	20,200	-	-	1,616	9,696	8,888	-	-	-	20,200	-
Right of Way/Land	4,500	-	-	2,250	2,250	-	-	-	-	4,500	-
Total Expenditure	\$26,700	\$8	\$782	\$5,076	\$11,946	\$8,888	-	-	-	\$25,910	-
Operating Impacts											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Transportation & Roadway Improvement Program (TRIP)

Total Project Cost - \$5.4M

Project Description

TRIP consists of capital funding in magisterial districts for the construction of small-scale capital improvements to Prince William County's local roadways and other transportation facilities. Prior to FY14, the general fund provided \$1.5 million per year for TRIP projects, which was distributed equally between the County's seven magisterial districts. The FY18-23 CIP includes a one-time contribution in FY18 from the General Capital Reserve. Each magisterial district has been allocated \$225,000. District supervisors will determine funding allocations for projects to enhance mobility throughout the County.

Service Impact

- **Traffic Flow** - Projects provide improved and safer traffic flow throughout the County.
- **Relieve Congestion and Improve Safety** - Project construction helps to alleviate congestion and improve safety in targeted areas within magisterial districts.
- **Enhance Pedestrian Safety** - Projects provide enhanced safety and connectivity for pedestrians within the County.

Funding Sources

- **Capital Reserve** - \$1.6M
- **Developer contributions (proffers)** - \$900K
- **State funding** - \$994K
- **Federal funding** - \$804K
- **General fund** - \$756K
- **Prince William Service Authority Reimbursement** - \$328K

Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	



Project Milestones

➤ **Current TRIP funded projects include the following:**

- **Antietam Road Sidewalk (Woodfern Court to Old Bridge Road)** - Scheduled for completion July 2017 (FY18).
- **Old Bridge Road Sidewalk (Dillingham Road to Antietam Road)** - Scheduled for completion December 2017 (FY18).
- **Powells Creek Pedestrian Footbridge (Route 1 to Powells Creek)** - Scheduled for completion September 2017 (FY18).

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
General Funds	756	614	142	-	-	-	-	-	-	-	-
Capital Reserve	1,575	-	-	1,575	-	-	-	-	-	1,575	-
State Rev	994	994	-	-	-	-	-	-	-	-	-
Federal Rev	804	252	551	-	-	-	-	-	-	-	-
Proffers	900	900	-	-	-	-	-	-	-	-	-
Service Authority Reimbursement	328	328	-	-	-	-	-	-	-	-	-
Total Revenue	\$5,356	\$3,088	\$693	\$1,575	-	-	-	-	-	\$1,575	-
<i>Cost Categories (Expenditures)</i>											
Design/Planning	801	665	136	-	-	-	-	-	-	-	-
Construction	4,455	600	948	1,332	-	-	-	-	-	1,332	1,575
Conversion	99	-	99	-	-	-	-	-	-	-	-
Total Expenditure	\$5,356	\$1,265	\$1,184	\$1,332	-	-	-	-	-	\$1,332	\$1,575
<i>Operating Impacts</i>											
Operating Expenses				-	-	-	-	-	-	-	-
Debt Service				-	-	-	-	-	-	-	-
Revenue				-	-	-	-	-	-	-	-
General Fund Requirement				-	-	-	-	-	-	-	-
Additional Positions (FTEs)				-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs

Vint Hill Road (Schaeffer Ln to Sudley Manor Dr)

Total Project Cost - \$15.6M

Project Description

This project widens Vint Hill Road from Schaeffer Lane to approximately 1,500 feet west of Sudley Manor Drive (approximately 1.2 miles). This project will also include sidewalk improvements along Kettle Run Road from Vint Hill Road to Patriot High School.

Service Impact

- **Relieve Congestion and Improve Safety** - Construction of this roadway will help alleviate congestion and improve safety, specifically during peak morning and evening travel periods.

Funding Sources

- **Capital reserve transfer (recordation revenue)** - \$3.4M
- **Developer contributions (proffers)** - \$12.2M

Project Milestones

- **Design** began in May 2017 (FY17) and with completion scheduled for May 2018 (FY18).
- **Construction** is anticipated to begin May 2018 (FY18) with completion scheduled for September 2019 (FY20).



Impact on Comprehensive Plan Chapters		
Cultural Resources	Libraries	Sewer
Economic Development	Parks & Open Space	Telecommunications
Environment	Police	Transportation
Fire & Rescue	Potable Water	
Land Use	Schools	

Impact on Strategic Plan Goals		
Robust Economy	Wellbeing	Mobility
Quality Education	Safe & Secure Community	

<i>Funding Sources (Revenue)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Capital Reserve	3,400	-	3,400	-	-	-	-	-	-	-	-
Proffers	12,248	2,697	4,775	-	4,775	-	-	-	-	4,775	-
Total Revenue	\$15,648	\$2,697	\$8,175	-	\$4,775	-	-	-	-	\$4,775	-

<i>Cost Categories (Expenditures)</i>	Project Estimate	Prior Yrs. Actual	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY18 - FY23	Future
Design/Planning	1,420	-	994	426	-	-	-	-	-	426	-
Construction	11,640	-	-	7,275	4,365	-	-	-	-	11,640	-
Right of Way/Land	2,588	-	-	1,294	1,294	-	-	-	-	2,588	-
Total Expenditure	\$15,648	-	\$994	\$8,995	\$5,659	-	-	-	-	\$14,654	-

<i>Operating Impacts</i>	FY17	FY18	FY19	FY20	FY21	FY22	FY23	Future
Operating Expenses	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Revenue	-	-	-	-	-	-	-	-
General Fund Requirement	-	-	-	-	-	-	-	-
Additional Positions (FTEs)	-	-	-	-	-	-	-	-

Amounts expressed in thousands, excludes FTEs