



CAPITAL IMPROVEMENT PROGRAM AND DEBT MANAGEMENT

This section provides information related to the Capital Improvement Program (CIP) and the County's debt management practices and projected capital financing needs.

The approved CIP was formulated using the more stringent debt limitations (3.0% debt to assessed value and 10.0% debt service to expenditures) as the Board works toward its goal of achieving a higher bond rating. This section includes an overview of the CIP program, a summary of all projects, and detailed sheets for all projects.

The Analysis of Outstanding Debt for Fiscal Years 2015-2024 displays the principal amounts owed at the current time. Also included in this section are tables that describe the purpose and payment schedules for each existing General Government bond and lease debt obligations, and for the Utilities Fund bond obligations.



CAPITAL IMPROVEMENTS PROGRAM

County government provides needed and desired services to the public. In order to provide these services, the County must furnish and maintain capital facilities and equipment, such as roads, parks and schools. The Capital Improvement Program (CIP) is a proposed schedule for the expenditure of funds to acquire or construct needed improvements over the next ten-year period.

The CIP is an important component of the County's long range planning process. The first year of the CIP becomes the capital budget and the remaining years provide an estimated, but unfunded, cost of the proposed projects and their anticipated funding sources. The CIP is reviewed annually and the priorities re-evaluated based on conditions and requirements of the community.

Capital Improvement projects are items for which the purchase, construction, renovation, expansion, or the acquisition represents a public betterment and adds to the total physical worth of Stafford. Projects include, but are not limited to, expenditures for land, new structures, major repairs and renovations; maintenance of existing real property; and expenditures for machinery, equipment and vehicles. Each project should have a total cost of \$500,000 or more and a useful life of one year or more. Scope of project includes all professional services (land acquisition, legal, planning, design, project management) and construction costs.

Purpose and Benefits of Capital Programming are:

- Provides a budgeting tool which anticipates expenditure levels several years in advance to determine revenue needs and appropriate financing strategies;
- Provides a concise central source of information for citizens and land developers to accurately anticipate facilities in Stafford and to make their investment decisions accordingly;
- Assists in the implementation of the Comprehensive Plan; and
- Provides a sound and stable financial program.

Overall, the CIP provides a foundation for coordinating and managing programs and expenditures, and assisting the local government in maintaining an excellent level of service to the citizens of Stafford, now and in the future.



CAPITAL IMPROVEMENTS PROGRAM

Development of the Capital Improvement Program

The Department of Finance and Budget provides information concerning the County's past, present and future financial resources. The department prepares and distributes the package utilized by departments and agencies to submit project requests. As the program develops, Finance and Budget also assists in the review and evaluation of project submissions.

Project Request

Each year, representatives of County departments, offices and agencies are asked to submit a Capital Improvements Project (CIP) request form. Projects are submitted to the Department of Finance and Budget to establish priorities and to suggest a schedule for implementation. The completed forms provide a detailed project description, justification, cost projections, and a statement of impact on the County's operating budget. The project request form also presents a connection to the County's policies and goals.

Projected costs are determined using historical or current costs for similar projects based on engineering or architectural estimates when available. A 4% average annual escalation assumption is included for all projects.

CIP Recommendation

The CIP committee evaluates the project requests individually to determine whether the project is appropriate. The recommendations of the CIP Committee are forwarded to the County Administrator. The County Administrator reviews the recommendations and prepares his recommended CIP.

Adoption of CIP

After considering the recommendation of the County Administrator, and following a public hearing, the Board of Supervisors adopts the CIP. The projects approved for funding in the current budget year become that year's Capital Budget. Those projects approved for funding in the subsequent years will serve as a guide to ongoing project planning and preparation of the following year's CIP.



CAPITAL IMPROVEMENTS PROGRAM

Project Approval

The CIP is adopted for planning purposes only. Approval of the CIP does not authorize issuance of debt or expenditure of funds.

Authority to proceed is granted by the Board on a project-by-project basis. For each individual project, the Board will be asked to take action which will:

1. approve the project,
2. approve the funding source, and
3. appropriate the project budget.

Impact of Capital Projects on the Operating Budget

The future fiscal impact on the operating budget is outlined in each capital project proposal. Each proposal includes an estimated impact on the operating budget.



CAPITAL IMPROVEMENTS PROGRAM FUNDING SOURCES

There are a number of different funding sources available for the various types of projects included in the Capital Improvements Program (CIP). This section outlines some of the more common funding sources used in the CIP.

Bonds

Bonds are usually for projects requiring initial capital outlays which exceed current revenue available in the short term. Bonds include general obligation debt, which requires a referendum, as well as lease/revenue bonds, which require only authorization by the Board of Supervisors. Stafford County voters approved a \$70 million road bond referendum in November 2008 and a \$29 million Parks & Recreation bond referendum in November 2009. Future referenda are for additional transportation and parks projects in the later years of the planning period.

Virginia Public School Authority (VPSA) funds can only be used to support the construction of school facilities. Similarly, Literary Fund allocations, when available, can be designated to projects for new school construction.

Cash Capital or Pay-as-you-go

Cash capital funding comes from annual appropriations and is part of the adopted operating budget. Projects that are typically smaller in scale such as minor renovations and upgrades are likely candidates for Cash Capital funding as long as the project has an expected useful life of at least five years or more. This type of funding provides the greatest flexibility since it:

- Has no debt service cost to be paid on the expenditure
- Is available at the start of the fiscal year
- Does not have to be approved through a referendum
- Can be carried over at the end of each fiscal year

Master Lease

Master Lease financing represents another source of capital financing to acquire equipment, vehicles, and technology purchases that have useful lives ranging from three to ten years. Master lease financing is very flexible, allowing the County to finance projects with minimal transaction costs and on an “as needed” basis over the term of the master lease. Because of the short-term maturities of master lease financing, interest rates are typically lower than rates on long-term bonds.



CAPITAL IMPROVEMENTS PROGRAM FUNDING SOURCES

Revenue Sharing

The Revenue Sharing Program provides additional funding for use by a county, city, or town to construct, reconstruct, or improve the highway systems within each locality and for eligible rural additions in certain counties of the Commonwealth. Locality funds are matched with state funds, with statutory limitations on the amount of state funds authorized per locality. The program is administered by the Department of Transportation in cooperation with the participating localities, under the authority of Section 33.11-23.05 of the Code of Virginia. An annual allocation of funds for this program is designated by the Commonwealth Transportation Board. A locality may apply for a maximum of \$10 million in matching allocations for each year.

PPTA

The Public-Private Transportation Act of 1995 is the legislative framework enabling the Commonwealth of Virginia, qualifying local governments and certain other political entities to enter into agreements authorizing private entities to acquire, construct, improve, maintain, and/or operate qualifying transportation facilities.

Other Revenue Sources

Other sources of revenue include State and Federal grants, private funds, transient occupancy taxes for tourism purposes, transportation service districts revenues, traffic impact fees and others. These funds are utilized to support a variety of projects. Transportation project timing has been planned to take maximum advantage of available state revenue sharing.

State and federal government funding can support any project depending on its availability. Resources from the Potomac Rappahannock Transportation Commission (PRTC), motor fuels taxes, are limited to transportation-related projects, while water and sewer availability fees and pro rata fees can only be utilized for water and sewer projects.



CAPITAL IMPROVEMENTS PROGRAM POLICIES

New debt requires the County operating budget to absorb the increased debt service and any operating costs associated with the capital project. Prior to the issuance of any new debt, consideration will be given to current economic and budgetary conditions. The County is working to reduce reliance on debt by increasing other types of funding for capital projects. The County has established the following policies to assist management with financial decisions.

CAPITAL IMPROVEMENT PROGRAM (CIP) AND BONDED DEBT SERVICE AFFORDABILITY GUIDELINES

- A five-year CIP allocating capital improvement funds between the Schools and General Government will be adopted annually.
- Debt-funded CIP projects for County and Schools will be no less than \$500,000 each and will have a useful life that meets or exceeds the life of any debt issuance.
- Capital Improvement projects for County and Schools are items for which the purchase, construction, renovation, non-recurring replacement, expansion, or the acquisition represents a public betterment and adds to the total physical worth of Stafford. Projects include, but are not limited to, expenditures for land, new structures, major repairs and renovations; maintenance of existing structures; and expenditures for machinery, equipment and vehicles. Each project should have a total cost of \$500,000 or more. Scope of project includes all professional services (land acquisition, legal, planning, design) and construction costs.

Debt Limitations

The financial policies define the County's maximum debt. As part of the efforts to improve the County's bond rating, the Board amended its financial policies in March 2013. Debt limitations are as follows:

- General obligation debt shall not exceed 3.5% of the assessed valuation of taxable real property, and shall not exceed 3% by July 1, 2015.
- General fund debt service expenditures (County and Schools) shall not exceed 11% of the general government and schools operating budgets and shall not exceed 10% by July 1, 2015.
- Debt ratios do not include debt to be repaid from identified revenue sources outside the General Fund. In the case of special service districts, the Board of Supervisors intends to set tax rates to cover any debt to be funded with the revenue.
- Capital lease debt service shall not exceed 1% of the general government budget. Capital lease debt may only be used if all the following four criteria are met:
 1. Capital lease purchase is eligible under state law for such financing;
 2. Useful life of the purchase equals or exceeds the term of the debt;
 3. Total purchase exceeds \$100,000; and
 4. Sufficient funds are available to service the capital lease debt.

Each year's maximum available debt service will be established by increasing the prior year's actual debt service by the percentage of general fund revenue changes averaged over the last 5 years.

The CIP was formulated to comply with the policy.



WHAT'S NEW?

The FY2015 - FY2024 CIP builds on the previously approved Capital Improvement Program. Many of the projects in this CIP were included in earlier plans. This year's plan includes some new projects, as well as some changes and updates to projects that were previously approved by the Board.

Funding

- The Board's bond enhancement strategy includes reducing reliance on debt. To that end, the Board has reduced debt ratios. To further address this goal, the CIP increases the County's cash capital minimum from 1% to 3% of General Fund budget by FY2018.
- Bond-funded portion for the ten year period is \$39.3M less than the previous CIP.
- Implementation of the Board's policy to increase cash capital for both County and Schools adds \$29.8M in cash over the period.
- Potential referenda for future projects. Proposed timing:
 - November 2015: Public Safety
 - November 2016: Parks
 - November 2018: Transportation

New or Updated Projects

County Government

Public Safety

- FCC mandated update to Public Safety Radio Communications System
- Infrastructure costs for station repairs.

Parks and Recreation

- Park utilization study is complete.

Public Works

- Options for library #3 include a stand-alone, store front, or a partnership with Germanna Community College.



WHAT'S NEW?

Transportation

- Budgets use of impact fees.
- New projects include:
 - Berea Church Road
 - Brent Point Road

Schools

- Removed Career & Technical Center
- Added Elementary School #18 with Head Start
- Added new Middle School #9
- Accelerates the expansions of Brooke Point, Mountain View, and Colonial Forge high schools
- Includes cash infrastructure projects to meet Board's financial policy goal
 - Increase for cash funded infrastructure projects could come from proffers, interest earnings, positive results of operation and cash.



SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total This Period	Later Years Funding	Total Project Cost
Public Safety	1,000,000	4,912,000	4,884,100	8,376,200	2,230,300	3,300,400	7,224,500	3,006,600	3,355,700	10,335,800	3,018,000	50,643,600	0	\$51,643,600
Information Technology	0	295,000	100,000	100,000	100,000	100,000	200,000	200,000	100,000	100,000	200,000	1,495,000	0	\$1,495,000
Parks, Recreation and Community Facilities	0	1,006,000	1,354,000	5,735,000	6,078,000	5,449,000	5,809,000	5,633,000	5,644,000	6,041,000	5,588,000	48,337,000	0	\$48,337,000
Public Works	520,000	1,196,000	2,551,000	7,236,000	1,611,800	4,934,600	13,077,464	15,898,603	2,449,027	3,456,748	11,695,778	64,107,020	6,767,000	\$71,394,020
Transportation	51,530,028	46,003,597	32,509,267	24,987,530	28,050,362	33,478,294	27,820,000	25,005,000	10,770,000	31,732,000	28,900,000	289,256,050	46,140,000	\$386,926,078
Schools	46,116,000	29,731,000	26,135,000	26,986,000	21,929,000	22,992,000	21,762,000	11,938,000	35,425,000	27,944,000	15,731,000	240,573,000	7,517,000	\$294,206,000
Project Total	\$99,166,028	\$83,143,597	\$67,533,367	\$73,420,730	\$59,999,462	\$70,254,294	\$75,892,964	\$61,681,203	\$57,743,727	\$79,609,548	\$65,132,778	\$694,411,670	\$60,424,000	\$854,001,698

Funding Summary	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total
County	1,916,000	14,050,306	18,551,634	12,493,660	14,159,695	29,448,305	24,467,000	11,784,000	19,147,000	23,710,000	\$169,727,600
Schools ¹	24,863,559	20,834,643	22,058,738	16,128,909	17,017,906	15,608,683	5,600,084	27,060,946	21,220,104	8,805,388	\$179,198,959
Bond	\$26,779,559	\$34,884,949	\$40,610,372	\$28,622,569	\$31,177,601	\$45,056,988	\$30,067,084	\$38,844,946	\$40,367,104	\$32,515,388	\$348,926,559
Master Lease	3,905,000	3,577,000	2,872,000	1,294,000	1,869,000	1,432,000	1,983,000	1,519,000	2,103,000	1,898,000	\$22,452,000
Cash Funded - County	4,807,000	3,834,100	5,143,600	4,726,100	4,787,000	5,427,964	5,288,203	5,245,727	5,683,548	5,393,778	\$50,337,020
Cash Funded - Schools ¹	3,317,441	4,100,357	4,927,262	5,800,091	5,974,094	6,153,317	6,337,916	8,364,054	6,723,896	6,925,612	\$58,624,041
Proffers/Capital Project Reserve	2,755,388	1,450,147	0	50,000	0	0	0	0	0	0	\$4,255,535
Service District Supported GO Bonds	0	0	0	0	0	8,800,000	0	0	0	0	\$8,800,000
Service District	0	0	0	1,110,966	0	0	0	0	0	5,468,142	\$6,579,108
Fuel Tax	1,870,719	3,522,264	87,853	1,195,068	0	1,120,000	1,305,000	770,000	332,000	1,445,858	\$11,648,762
Revenue Sharing	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	\$100,000,000
State/Federal	30,839,000	5,622,636	8,618,832	6,007,809	4,744,458	0	0	0	0	0	\$55,832,735
Impact Fees	638,177	100,000	100,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	\$12,038,177
In-Kind	0	0	0	0	0	0	0	0	0	0	\$0
	\$84,912,284	\$67,091,453	\$72,359,919	\$60,406,603	\$60,152,153	\$79,590,269	\$56,581,203	\$66,343,727	\$66,809,548	\$65,246,778	\$679,493,937

¹ The Board of Supervisor's Principles of High Performance Financial Management guideline states 3% of general government expenditures and 2% of the School's operating budget will be set aside for pay-as-you-go capital projects by 2018. School's proposed infrastructure was adjusted based on this guideline. Funding for cash infrastructure projects could come from proffers, interest earnings, positive results of operation and cash.

Operating Impacts Summary	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	1,750,000	1,910,000	4,595,000	4,779,000	4,970,000	5,237,000	6,625,000	6,890,000	9,218,000
Operating	0	42,000	113,000	537,000	392,000	440,000	2,007,000	1,149,000	1,018,000	1,389,000
Debt Service Bond (cumulative)	0	2,241,000	5,162,000	8,561,000	10,957,000	13,566,000	17,336,000	19,853,000	23,105,000	26,484,000
Debt Service Master Lease (cumulative)	0	686,000	1,049,000	1,396,000	1,568,000	1,816,000	2,006,000	1,882,000	2,084,000	2,363,000
Service District Debt Service	0	0	0	0	0	0	736,378	736,378	736,378	736,378
Revenue/Savings	0	0	0	0	0	0	(57,000)	(60,000)	(62,000)	(65,000)
Total	\$0	\$4,719,000	\$8,234,000	\$15,089,000	\$17,696,000	\$20,792,000	\$27,265,378	\$30,185,378	\$33,771,378	\$40,125,378



SUMMARY OF BOND FUNDED PROJECTS

(Funding for these projects is subject to Board's Principles of High Performance Financial Management Debt Limitations)

Agency	Projects	Opening Date	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total This Period
Public Safety	Fire & Rescue Training Center	2021	0	0	0	0	466,000	4,798,000	0	0	0	0	5,264,000
	Fire & Rescue Station 14	2018	0	425,000	4,597,000	0	0	0	0	0	0	0	5,022,000
	Fire & Rescue Station - Centerport	2024	0	0	0	0	0	0	0	784,000	7,147,000	0	7,931,000
Parks, Recreation & Community Facilities	Future Parks Projects	On-going	0	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	32,000,000
Public Works	Animal Shelter	2018	0	330,000	3,909,600	0	0	0	0	0	0	0	4,239,600
	Courthouse Addition	2022	0	0	0	0	2,662,000	10,653,000	13,467,000	0	0	0	26,782,000
	Library	2025	0	0	0	0	0	0	0	0	1,000,000	9,210,000	10,210,000
Transportation	Transportation Bonds	On-going	1,916,000	13,295,306	6,045,034	8,493,660	7,031,695	9,997,305	7,000,000	7,000,000	7,000,000	10,500,000	78,279,000
Subtotal County Projects			\$1,916,000	\$14,050,306	\$18,551,634	\$12,493,660	\$14,159,695	\$29,448,305	\$24,467,000	\$11,784,000	\$19,147,000	\$23,710,000	\$169,727,600
School Projects ¹	Stafford High School	Sept, 2015	17,684,000	4,000,000	0	0	0	0	0	0	0	0	21,684,000
	Moncure Elementary Rebuild	Sept, 2019	0	800,000	11,019,000	11,018,000	833,000	0	0	0	0	0	23,670,000
	Ferry Farm Elementary Rebuild	Sept, 2020	0	0	0	800,000	12,407,000	11,667,000	588,000	0	0	0	25,462,000
	Elementary #18 with Head Start	Sept, 2023	0	0	0	0	0	0	1,000,000	19,478,000	18,294,000	1,000,000	39,772,000
	Brooke Point HS Addition	Sept, 2016	750,000	6,761,000	0	0	0	0	0	0	0	0	7,511,000
	Mt. View HS Addition	Sept, 2017	300,000	450,000	7,316,000	0	0	0	0	0	0	0	8,066,000
	Colonial Forge HS Addition	Sept, 2016	750,000	6,524,000	0	0	0	0	0	0	0	0	7,274,000
	Hartwood Elementary Renovation	Sept, 2026	0	0	0	0	0	0	0	0	0	4,586,000	4,586,000
	Middle School #9	TBD	0	0	0	0	0	0	0	0	0	500,000	500,000
	Fleet Services	Sept, 2022	0	0	0	0	0	0	750,000	4,051,000	0	0	4,801,000
	Infrastructure	On-going	5,379,559	2,299,643	3,723,738	4,310,909	3,777,906	3,941,683	3,262,084	3,531,946	2,926,104	2,719,388	35,872,959
Subtotal School Projects			\$24,863,559	\$20,834,643	\$22,058,738	\$16,128,909	\$17,017,906	\$15,608,683	\$5,600,084	\$27,060,946	\$21,220,104	\$8,805,388	\$179,198,959
Total All Projects			\$26,779,559	\$34,884,949	\$40,610,372	\$28,622,569	\$31,177,601	\$45,056,988	\$30,067,084	\$38,844,946	\$40,367,104	\$32,515,388	\$348,926,559
Bond Funded Summary (master lease not included)			FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total
County			\$1,916,000	\$14,050,306	\$18,551,634	\$12,493,660	\$14,159,695	\$29,448,305	\$24,467,000	\$11,784,000	\$19,147,000	\$23,710,000	\$169,727,600
Schools			24,863,559	20,834,643	22,058,738	16,128,909	17,017,906	15,608,683	5,600,084	27,060,946	21,220,104	\$8,805,388	179,198,959
Total Borrowes			\$26,779,559	\$34,884,949	\$40,610,372	\$28,622,569	\$31,177,601	\$45,056,988	\$30,067,084	\$38,844,946	\$40,367,104	\$32,515,388	\$348,926,559
Availability Limit			29,428,000	33,448,000	40,438,000	35,157,000	40,192,000	41,566,000	32,089,000	36,177,000	37,110,000	23,772,000	349,377,000
Cumulative (Deficit)/Surplus			2,648,441	1,211,492	1,039,120	7,573,551	16,587,950	13,096,962	15,118,879	12,450,933	9,193,828	450,441	

¹ Adjusted school infrastructure (bonds/cash) to reflect recommendation to meet 2% by FY2018

Debt Service	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Existing Bond Debt Service	\$39,456,494	\$40,047,901	\$39,543,968	\$38,390,892	\$37,020,022	\$35,273,576	\$33,464,685	\$32,508,221	\$30,551,268	\$28,542,962
New Bond Debt Service	0	2,241,000	5,162,000	8,561,000	10,957,000	13,566,000	17,336,000	19,853,000	23,105,000	26,484,000
Total Bond Debt	\$39,456,494	\$42,288,901	\$44,705,968	\$46,951,892	\$47,977,022	\$48,839,576	\$50,800,685	\$52,361,221	\$53,656,268	\$55,026,962
Existing Master Lease	2,026,156	3,829,724	3,829,724	3,408,155	3,044,145	3,044,145	3,044,145	972,000	972,000	972,000
New Master lease	0	686,000	1,049,000	1,396,000	1,568,000	1,816,000	2,006,000	1,882,000	2,084,000	2,363,000
Total Master Lease	\$2,026,156	\$4,515,724	\$4,878,724	\$4,804,155	\$4,612,145	\$4,860,145	\$5,050,145	\$2,854,000	\$3,056,000	\$3,335,000
Total Debt Service	\$41,482,650	\$46,804,625	\$49,584,692	\$51,756,046	\$52,589,167	\$53,699,721	\$55,850,830	\$55,215,221	\$56,712,268	\$58,361,962



OPERATING IMPACTS

Relationship between the Operating and Capital Budgets

There are many elements that distinguish Stafford County's operating budget from its capital budget. The operating budget includes expenses that are generally recurring in nature and are appropriated for one year and provides for the provision of all County services.

The development and implementation of the County's capital budget are usually accompanied with on-going operating costs. A project could require additional expenses beyond those used to construct the facility such as additional personnel, start-up costs, equipment, operating expenses, and in some cases there can be cost savings. Resources for the operating budget are generally provided by taxes and/or user fees.

The County recognizes the need to link the capital and operating budgets together therefore, each project includes a section that identifies knowable operating budget impacts that will be incurred as a result of project implementation. These costs which include one-time start-up costs are incorporated into the County's operating budget and five year financial plan. The purpose of assessing and displaying these operating budget impacts is to:

- Present effect of approving projects in the ten-year span of the CIP
- Provide a basis for prioritization of projects in the CIP based on operating budget impacts
- Identify anticipated demands for operating increases or service delivery
- Display the relationship between CIP project cost and the timing of new or additional operating budget requirements as a result of the project completion

It is important to note that while transportation projects generally have operating costs such as maintenance, these costs are the responsibility of the Virginia Department of Transportation (VDOT) after the improvements are completed by the County in compliance with VDOT standards.

The following table shows the annual operating impact of the CIP.



OPERATING AND DEBT SERVICE IMPACTS

There are no operating costs associated with capital projects for FY2015

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total This Period
F&R Station 14	0	0	0	1,886,000	1,754,000	1,825,000	1,898,000	1,974,000	2,053,000	2,135,000	\$13,525,000
F&R Training Center	0	0	0	0	0	0	1,525,000	103,000	108,000	111,000	\$1,847,000
E-911 Phone System	0	0	0	0	99,000	103,000	108,000	112,000	116,000	121,000	\$659,000
F&R Centerport	0	0	0	0	0	0	0	0	0	2,357,000	\$2,357,000
Animal Shelter	0	0	0	135,000	49,000	51,000	53,000	55,000	58,000	60,000	\$461,000
Courthouse Addition	0	0	0	0	0	0	0	1,697,000	1,534,000	1,595,000	\$4,826,000
Stormwater	0	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000	\$1,352,000
Belmont Ferry Farm Trail	0	0	87,000	58,000	60,000	62,000	65,000	67,000	70,000	72,000	\$541,000
Brooke Point HS	0	907,000	943,000	981,000	1,020,000	1,061,000	1,104,000	1,147,000	1,193,000	1,241,000	\$9,597,000
Mt. View HS	0	0	0	1,004,000	1,043,000	1,084,000	1,128,000	1,172,000	1,219,000	1,268,000	\$7,918,000
Colonial Forge HS	0	919,000	955,000	993,000	1,033,000	1,074,000	1,118,000	1,162,000	1,208,000	1,257,000	\$9,719,000
Fleet Services	0	0	0	0	0	0	0	0	24,000	25,000	\$49,000
	\$0	\$1,826,000	\$2,023,000	\$5,132,000	\$5,171,000	\$5,410,000	\$7,187,000	\$7,714,000	\$7,846,000	\$10,542,000	\$52,851,000



OPERATING AND DEBT SERVICE IMPACTS

The County's Capital Improvement Program was developed to comply with the Board of Supervisors' financial policies. The total FY15 General Fund Operating Budget for Debt Service for both County and Schools is \$41,482,650.

Bond Debt Service Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total This Period
F&R Station 14	0	0	36,000	421,000	421,000	421,000	421,000	421,000	421,000	421,000	\$2,983,000
F&R Training Center	0	0	0	0	0	39,000	440,000	440,000	440,000	440,000	\$1,799,000
F&R Station-Centreport	0	0	0	0	0	0	0	0	66,000	664,000	\$730,000
Future Parks	0	0	0	335,000	670,000	1,005,000	1,340,000	1,675,000	2,010,000	2,345,000	\$9,380,000
Animal Shelter	0	0	28,000	355,000	355,000	355,000	355,000	355,000	355,000	355,000	\$2,513,000
Courthouse Addition	0	0	0	0	0	223,000	1,114,000	2,241,000	2,241,000	2,241,000	\$8,060,000
Library	0	0	0	0	0	0	0	0	0	84,000	\$84,000
Transportation	0	160,000	1,273,000	1,779,000	2,490,000	3,078,000	3,915,000	4,501,000	5,087,000	5,673,000	\$27,956,000
Stafford High School	0	1,480,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	\$16,000,000
Moncure Elementary Rebuild	0	0	67,000	989,000	1,911,000	1,981,000	1,981,000	1,981,000	1,981,000	1,981,000	\$12,872,000
Ferry Farm Elem Rebuild	0	0	0	0	67,000	1,105,000	2,081,000	2,130,000	2,130,000	2,130,000	\$9,643,000
Elem School #18 W/Head Start	0	0	0	0	0	0	0	84,000	1,714,000	3,245,000	\$5,043,000
Brooke Point HS	0	63,000	553,000	553,000	553,000	553,000	553,000	553,000	553,000	553,000	\$4,487,000
Colonial Forge HS	0	63,000	609,000	609,000	609,000	609,000	609,000	609,000	609,000	609,000	\$4,935,000
Mt. View HS	0	25,000	63,000	675,000	675,000	675,000	675,000	675,000	675,000	675,000	\$4,813,000
Fleet Services	0	0	0	0	0	0	0	63,000	402,000	402,000	\$867,000
Infrastructure	0	450,000	642,000	954,000	1,315,000	1,631,000	1,961,000	2,234,000	2,530,000	2,775,000	\$14,492,000
New Debt Service	\$0	\$2,241,000	\$5,086,000	\$8,485,000	\$10,881,000	\$13,490,000	\$17,260,000	\$19,777,000	\$23,029,000	\$26,408,000	
Existing Debt Service	\$39,456,494	\$40,047,901	\$39,543,968	\$38,390,892	\$37,020,022	\$35,273,576	\$33,464,685	\$32,508,221	\$30,551,268	\$28,542,962	
	\$39,456,494	\$42,288,901	\$44,629,968	\$46,875,892	\$47,901,022	\$48,763,576	\$50,724,685	\$52,285,221	\$53,580,268	\$54,950,962	

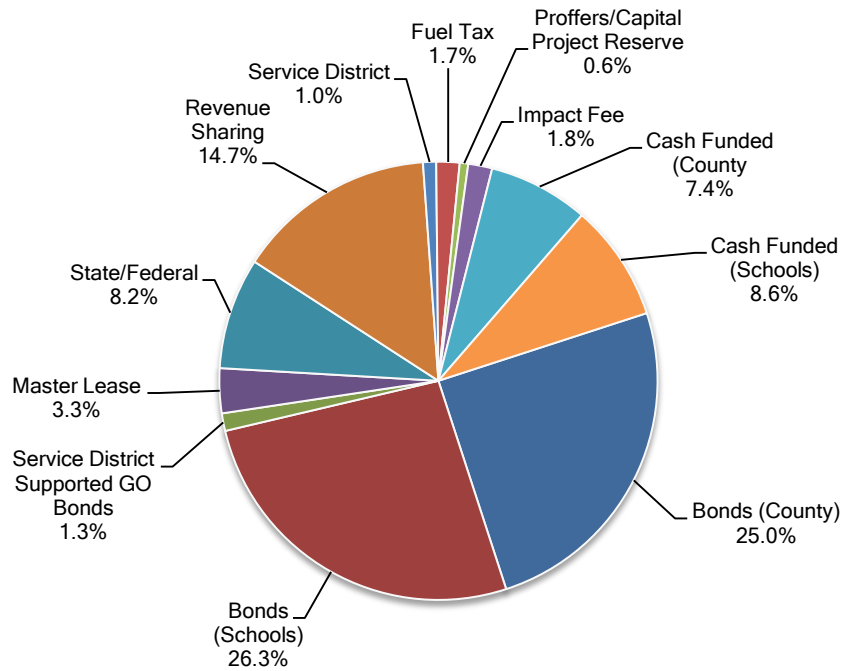
Master Lease Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total This Period
Replacement Apparatus	0	299,000	471,000	759,000	931,000	1,179,000	1,369,000	1,632,000	1,834,000	2,113,000	10,587,000
E911 System	0	387,000	387,000	387,000	387,000	387,000	387,000	0	0	0	2,322,000
Radio System - TDMA	0	0	191,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,941,000
New Master Lease	\$0	\$686,000	\$1,049,000	\$1,396,000	\$1,568,000	\$1,816,000	\$2,006,000	\$1,882,000	\$2,084,000	\$2,363,000	\$14,850,000
Existing Master Lease	2,026,156	3,829,724	3,829,724	3,408,155	3,044,145	3,044,145	3,044,145	972,000	972,000	972,000	
	\$2,026,156	\$4,515,724	\$4,878,724	\$4,804,155	\$4,612,145	\$4,860,145	\$5,050,145	\$2,854,000	\$3,056,000	\$3,335,000	
Total Debt	\$41,482,650	\$46,804,625	\$49,508,692	\$51,680,046	\$52,513,167	\$53,623,721	\$55,774,830	\$55,139,221	\$56,636,268	\$58,285,962	



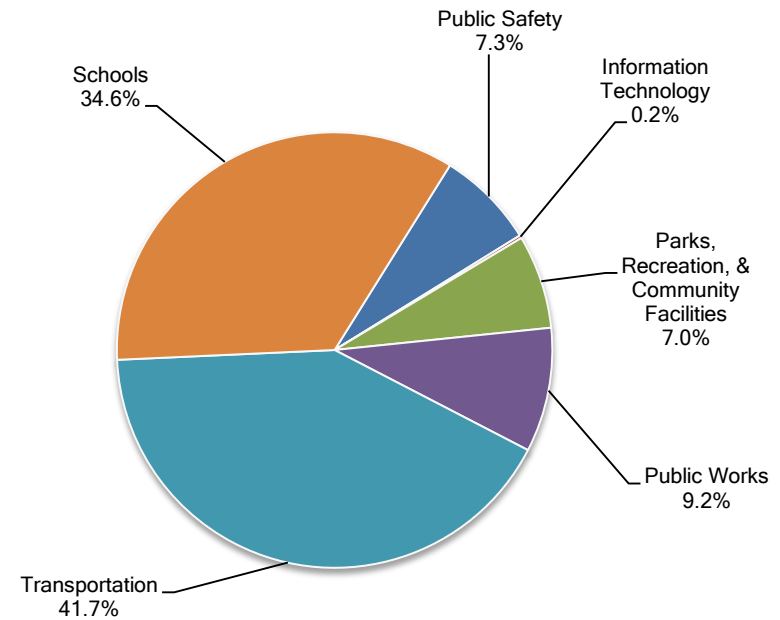
CAPITAL IMPROVEMENT PROGRAM PROJECT ALLOCATION CHARTS

The FY2015 - FY2024 Capital Improvement Program totals \$694,011,670 million, and includes projects for General Government, Schools, and Transportation. Transportation projects are those included in the Bond Referendum approved by County residents on November 4, 2008, as well as with other funding sources.

CIP Funding Summary



CIP Projects





PUBLIC SAFETY

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
Fire & Rescue Replacement Apparatus	0	3,077,000	2,146,000	3,044,000	2,194,000	2,797,000	2,388,000	2,967,000	2,531,000	3,147,000	2,974,000	0	27,265,000
Fire & Rescue Training Center	0	0	0	0	0	466,000	4,798,000	0	0	0	0	0	5,264,000
Fire & Rescue Station 14	1,000,000	0	425,000	4,597,000	0	0	0	0	0	0	0	0	6,022,000
Fire & Rescue Station - Centerport	0	0	0	0	0	0	0	0	784,000	7,147,000	0	0	7,931,000
E-911 System	0	1,802,000	0	0	0	0	0	0	0	0	0	0	1,802,000
FCC Mandated Upgrade to Radio System	0	0	2,279,000	700,000	0	0	0	0	0	0	0	0	2,979,000
Infrastructure	0	33,000	34,100	35,200	36,300	37,400	38,500	39,600	40,700	41,800	44,000	0	380,600
Total	\$1,000,000	\$4,912,000	\$4,884,100	\$8,376,200	\$2,230,300	\$3,300,400	\$7,224,500	\$3,006,600	\$3,355,700	\$10,335,800	\$3,018,000	\$0	\$51,643,600

Funding Sources	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	1,000,000	857,000	882,100	907,200	936,300	965,400	994,500	1,023,600	1,052,700	1,085,800	1,120,000
Bonds	0	0	425,000	4,597,000	0	466,000	4,798,000	0	784,000	7,147,000	0
Master Lease	0	3,905,000	3,577,000	2,872,000	1,294,000	1,869,000	1,432,000	1,983,000	1,519,000	2,103,000	1,898,000
State/Federal	0	150,000	0	0	0	0	0	0	0	0	0
Total	\$1,000,000	\$4,912,000	\$4,884,100	\$8,376,200	\$2,230,300	\$3,300,400	\$7,224,500	\$3,006,600	\$3,355,700	\$10,335,800	\$3,018,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	1,644,000	1,709,000	1,778,000	1,916,000	1,993,000	2,073,000	4,209,000
Operating	0	0	99,000	345,000	152,000	159,000	1,680,000	265,000	276,000	590,000
Debt Service	0	0	36,000	421,000	421,000	460,000	861,000	861,000	927,000	1,525,000
Debt Service Master Lease	0	686,000	1,049,000	1,396,000	1,568,000	1,816,000	2,006,000	1,882,000	2,084,000	2,363,000
Revenue	0	0	0	0	0	0	(57,000)	(60,000)	(62,000)	(65,000)
Total	\$0	\$686,000	\$1,184,000	\$3,806,000	\$3,850,000	\$4,213,000	\$6,406,000	\$4,941,000	\$5,298,000	\$8,622,000

REPLACEMENT APPARATUS

Total Project Cost: \$27,265,000

Est. Opening Date: On-going

Links to Board's Strategic Initiatives

- Supports the Principles of High Performance Financial Management
- Response time improvement

PROGRAM DESCRIPTION

Scheduled replacement due to age, mileage and/or engine hour indication will ensure the viability of the fire and rescue fleet. This program provides for the regular replacement of department apparatus based on service life estimates for each vehicle. This includes replacement of ambulances, engines, and specialty apparatus (ladders, heavy rescue apparatus, tankers, and/or boats). Typical service life is 15 years for boats and tankers; 10 years for engines, ladders, heavy rescues, and pumper/tankers; and five years for ambulances. This plan replaces only primary apparatus and supports fleet reduction by not replacing duplicate apparatus.

OPERATING IMPACT SUMMARY

There will be additional debt service for equipment purchased using the Master Lease. There will be no additional costs for the operating of the replacement equipment. A review of the department's fleet was conducted in FY13. The results of that review have been used to re-configure the apparatus replacement plan and continue efforts to downsize the fleet.



PROJECT COSTS

4 ambulances 2 engines 1 ladder	1 engine 1 heavy rescue squad	3 ambulances 2 engines 1 ladder	4 ambulances 2 engines	4 ambulances 1 engine 1 ladder	4 ambulances 1 engine	4 ambulances 1 engine	3 ambulances 1 engine 1 specialty	3 ambulances 1 engine 1 specialty	3 ambulances 1 engine 1 specialty
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Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Ambulance	0	824,000	0	654,000	900,000	928,000	956,000	984,000	1,012,000	1,044,000	807,000
Engines	0	1,184,000	610,000	1,256,000	1,294,000	666,000	686,000	707,000	728,000	750,000	773,000
Specialty Apparatus	0	1,069,000	1,536,000	1,134,000	0	1,203,000	746,000	1,276,000	791,000	1,353,000	1,394,000
Total	\$0	\$3,077,000	\$2,146,000	\$3,044,000	\$2,194,000	\$2,797,000	\$2,388,000	\$2,967,000	\$2,531,000	\$3,147,000	\$2,974,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	824,000	848,000	872,000	900,000	928,000	956,000	984,000	1,012,000	1,044,000	1,076,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	2,253,000	1,298,000	2,172,000	1,294,000	1,869,000	1,432,000	1,983,000	1,519,000	2,103,000	1,898,000
Total	\$0	\$3,077,000	\$2,146,000	\$3,044,000	\$2,194,000	\$2,797,000	\$2,388,000	\$2,967,000	\$2,531,000	\$3,147,000	\$2,974,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	299,000	471,000	759,000	931,000	1,179,000	1,369,000	1,632,000	1,834,000	2,113,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$299,000	\$471,000	\$759,000	\$931,000	\$1,179,000	\$1,369,000	\$1,632,000	\$1,834,000	\$2,113,000

TRAINING CENTER

Total Project Cost: \$5,264,000

Est. Opening Date: 2021

Links to Board's Strategic Initiatives

• Response time improvement

PROGRAM DESCRIPTION

A training facility for the Fire and Rescue Department is needed to meet mandated live fire and multi-company training and to house the training props, equipment storage and repair functions of the department. This would replace the boat facility currently used by the Department and add the ability to conduct live fire and multi-company training. The proposed facility would be approximately 16,000 square feet. Project includes site development, classroom building, two vehicle maintenance bays, logistics support warehouse, construction of a drill tower with burn room and training props for technical rescue and water drafting and drivers training. The facility would provide the means to accomplish mandatory training for new and existing career and volunteer personnel. Operating our own facility would allow a convenient location that could be used on nights and weekends to meet the training demands of our volunteers.



OPERATING IMPACT SUMMARY

There would be one time start up costs for the facility to include instructional supplies such as smart boards, copy machine, fax machine, projectors, and computers. Other start up costs for the facility include kitchen and janitorial supplies. There will also be a need for a one time start up cost for the construction of a burn building. The burn building will be used for live fire training.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	466,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	4,798,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$466,000	\$4,798,000	\$0	\$0	\$0	\$0

We anticipate working with Quantico as a shared resource which could reduce County costs on the project.

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	466,000	4,798,000	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$466,000	\$4,798,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	67,000	70,000	73,000	76,000
Operating	0	0	0	0	0	0	1,515,000	93,000	97,000	100,000
Debt Service	0	0	0	0	0	39,000	440,000	440,000	440,000	440,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	(57,000)	(60,000)	(62,000)	(65,000)
Total	\$0	\$0	\$0	\$0	\$0	\$39,000	\$1,965,000	\$543,000	\$548,000	\$551,000

FIRE AND RESCUE STATION 14

Total Project Cost: \$6,022,000

Est. Opening Date: 2018

Links to Board's Strategic Initiatives
• Response Time Improvement

PROGRAM DESCRIPTION

The North County Fire and Rescue station will be located at 53 Shelton Shop Road in Stafford, Virginia. It is anticipated that this station would serve as a career staffed "hub" station.

OPERATING IMPACT SUMMARY

Funding for 18 new employees would be needed when operations begin. The 18 new employees are in addition to the 12 employees already stationed at the North County Fire and Rescue station. Current staffing is for an engine crew only. The additional employees would allow for the station to be fully staffed 24/7 with an engine, ladder, and medic unit. Required apparatus is currently in use throughout the County. No new apparatus would be needed. Prior funding includes \$1,000,000 for property acquisition. Property was purchased in FY11. There would also be a need for one time start up costs for the facility.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	425,000	0	0	0	0	0	0	0	0
Property Acquisition	1,000,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	4,378,000	0	0	0	0	0	0	0
Contingency	0	0	0	219,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,000,000	\$0	\$425,000	\$4,597,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	1,000,000	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	425,000	4,597,000	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,000,000	\$0	\$425,000	\$4,597,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	1,644,000	1,709,000	1,778,000	1,849,000	1,923,000	2,000,000	2,080,000
Operating	0	0	0	242,000	45,000	47,000	49,000	51,000	53,000	55,000
Debt Service	0	0	36,000	421,000	421,000	421,000	421,000	421,000	421,000	421,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$36,000	\$2,307,000	\$2,175,000	\$2,246,000	\$2,319,000	\$2,395,000	\$2,474,000	\$2,556,000

FIRE AND RESCUE STATION - CENTERPORT

Total Project Cost: \$7,931,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Response Time Improvement
- Comprehensive Plan

PROGRAM DESCRIPTION

This facility would be constructed in order to meet fire and rescue service needs as suggested in the Comprehensive Plan. It would assist in reaching response time standards and Board identified service levels. As infill development occurs and density increases, the demand load on existing fire and rescue stations is expected to increase to a point where current fire and rescue stations can no longer serve developing areas of the County. This station would be needed to offset the impact of new development on the existing residents and businesses.

OPERATING IMPACT SUMMARY

Operating impacts associated with this project would include personnel, operating and one time start up costs.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	784,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	2,016,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	4,688,000	0
Contingency	0	0	0	0	0	0	0	0	0	443,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784,000	\$7,147,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	784,000	7,147,000	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$784,000	\$7,147,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	2,053,000
Operating	0	0	0	0	0	0	0	0	0	304,000
Debt Service	0	0	0	0	0	0	0	0	66,000	664,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000	\$3,021,000

9-1-1 Phone System (Customer Premises Equipment / CPE)

Total Project Cost: \$1,802,000

Est. Opening Date: 2017

[Links to Board's Strategic Initiatives](#)

• Supports the BOS Public Safety Priority

PROGRAM DESCRIPTION

This project would replace the current outdated E9-1-1 system with a geo-diverse Enhanced 9-1-1 (E9-1-1) Public Safety Answering Point (PSAP) system. The project includes equipment and installation. The existing system was originally installed in 2002, with an upgrade during the transition to the new Public Safety Center in 2009. Because of the age of the current hardware and to minimize the risk of hardware failures on a critical public safety system that operates 24 hours a day, 365 days a year, it is recommended this project be placed within the County's Capital Improvement Program. The work to be performed includes designing the components necessary for a properly functioning system, and the furnishing of all labor, materials, equipment, drawings, engineering, testing and training services necessary for the installation and deployment of the system and the network. It is anticipated that the selected vendor would provide warranty and two year maintenance and support services to maintain the ongoing functionality of the system after acceptance. Project includes a Public Safety Answering Point 911 Center Grant (PSAP) from the Va. E9-1-1 Services Board.



OPERATING IMPACT SUMMARY

The first two years of maintenance are included in the cost of the system. Operating expenditures for this project would begin in FY19 and consist of maintenance and service costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,716,000	0	0	0	0	0	0	0	0	0
Contingency	0	86,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,802,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	1,652,000	0	0	0	0	0	0	0	0	0
State/Federal	0	150,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,802,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	99,000	103,000	108,000	112,000	116,000	121,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease		387,000	387,000	387,000	387,000	387,000	387,000	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$387,000	\$387,000	\$387,000	\$486,000	\$490,000	\$495,000	\$112,000	\$116,000	\$121,000

FCC MANDATED UPDATE TO PUBLIC SAFETY RADIO COMMUNICATIONS SYSTEM

Total Project Cost: \$2,979,000

Est. Opening Date: 2018

[Links to Board's Strategic](#)

- Response time improvement
- Supports the BOS public safety

PROGRAM DESCRIPTION

The County's radio system placed in service in December 2009 operates on a 700 MHz radio spectrum. As such, it is subject to a mandate from the Federal Communications Commission (FCC) to implement TDMA (Time Division Multiple Access) no later than December 31, 2016. TDMA is a technology that allows multiple conversations to share the same radio channel. This upgrade will increase frequency capacity and reduce the risks associated with frequency congestion such as dropped calls and channel interference. Stafford's purchase of its public safety radio system took into consideration the FCC's Rule and the equipment and infrastructure was designed to support TDMA technology. This project will provide the firmware needed to upgrade the current operating system to comply with the FCC mandate.



OPERATING IMPACT SUMMARY

Master lease costs for this project would begin in FY2017.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,279,000	700,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,279,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	2,279,000	700,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,279,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease		0	191,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$191,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

VOLUNTEER STATION RENOVATIONS

Total Project Cost: \$380,600

Est. Opening Date: On-going

Links to Board's Strategic Initiatives
• Supports the BOS Public Safety Initiative

PROGRAM DESCRIPTION

Many of the fire and rescue stations operated by the volunteer organizations in support of the county's fire and rescue system are significantly aging and in serious need of repairs and upgrades to bring them into compliance with safety codes and federal law such as the Americans with Disabilities Act. Additionally, many of the volunteer stations are in need of modernization of infrastructure to include replacement of HVAC, electrical and plumbing/septic systems and repairs to roofs, concrete apparatus floors and aprons, etc. Funding in FY15 will be allocated to Station 10. and will include construction of bunk rooms and updates to electrical and plumbing.

OPERATING IMPACT SUMMARY

No additional operating impacts are associated with this project



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	33,000	34,100	35,200	36,300	37,400	38,500	39,600	40,700	41,800	44,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$33,000	\$34,100	\$35,200	\$36,300	\$37,400	\$38,500	\$39,600	\$40,700	\$41,800	\$44,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	33,000	34,100	35,200	36,300	37,400	38,500	39,600	40,700	41,800	44,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$33,000	\$34,100	\$35,200	\$36,300	\$37,400	\$38,500	\$39,600	\$40,700	\$41,800	\$44,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

INFORMATION TECHNOLOGY SUMMARY

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
Information Technology Infrastructure	\$0	\$295,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$100,000	\$100,000	\$200,000	\$0	\$1,495,000
Total	\$0	\$295,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$100,000	\$100,000	\$200,000	\$0	\$1,495,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	295,000	100,000	100,000	100,000	100,000	200,000	200,000	100,000	100,000	200,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$295,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$100,000	\$100,000	\$200,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Debt Service Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

INFORMATION TECHNOLOGY INFRASTRUCTURE

Total Project Cost: \$1,495,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

- Information Technology Strategic Plan
- Principles of High Performance

PROGRAM DESCRIPTION

Information Technology infrastructure should be upgraded as appropriate to maintain consistent service levels. The Stafford County IT Equipment and Risk Reduction Plan will assist with standardizing the operating environment with current versions of systems software and hardware. The implementation of new technology will reduce cost, improve efficiency, make maintenance and support considerably more efficient and minimize the number of problems with the operational environment.

The Server (Virtual Cluster) and SAN (Storage Area Network) replacement plan supports the replacement and maintenance of the County's central computing infrastructure. The systems are purchased with a four to five year warranty after which replacement would be recommended due to new technology and the demands of the application exceeding the capability of the existing hardware.

The County's risk reduction plan (which provides business continuity in the event of a computer room and or a network operation center disaster) involves hardware redundancy and geographical separation of critical systems and equipment. Redundancy of critical systems in the plan will be co-located in the County Administration and Public Safety buildings.

The video docketing system displays dockets on large monitors located in the lobby and courtroom entrances. It reflects docket information that has been entered by the court staff into the CMS system including defendant name, courtroom and hearing time. The clerk in each courtroom can update the current status of each case which is reflected in real time on the monitors.



OPERATING IMPACT SUMMARY

There are no additional operating costs associated with this project.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Fiber Cabling Project	0	50,000	0	0	0	0	0	0	0	0	0
Network Equipment Replacement	0	200,000	40,000	0	0	0	0	200,000	40,000	0	200,000
Server Replacement	0	0	60,000	50,000	40,000	0	0	0	60,000	100,000	0
Virtual Server Replacement	0	0	0	0	0	100,000	200,000	0	0	0	0
SAN Storage Replacement	0	0	0	0	60,000	0	0	0	0	0	0
VOIP	0	0	0	50,000	0	0	0	0	0	0	0
Video Docketing System	0	45,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$295,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$100,000	\$100,000	\$200,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	295,000	100,000	100,000	100,000	100,000	200,000	200,000	100,000	100,000	200,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$295,000	\$100,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$100,000	\$100,000	\$200,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

INFORMATION TECHNOLOGY INFRASTRUCTURE

	Project Amount
FY2015 Projects	
Fiber Cabling for Rowser and Rowser Annex	50,000
Network Backbone Equipment Replacement for Public Safety Building	200,000
Video Docketing	45,000
FY2015 Total	<u>295,000</u>
FY2016 Projects	
Server Replacement	60,000
WAN Remote Site Network Equipment Replacement	40,000
FY2016 Total	<u>100,000</u>
FY2017 Projects	
VoIP Phones	50,000
Server Replacement	50,000
FY2017 Total	<u>\$100,000</u>
FY2018 Projects	
SAN Storage Area	60,000
Server Replacement	40,000
FY2018 Total	<u>\$100,000</u>
FY2019 Projects	
Virtual Server Cluster Replacement Public Safety Bldg	100,000
FY2019 Total	<u>100,000</u>
FY2020 Projects	
Virtual Server Cluster Replacement Admin Bldg	200,000
FY2020 Total	<u>200,000</u>
FY2021 Projects	
Network Backbone Equipment Replacement Admin Bldg	200,000
FY2021 Total	<u>200,000</u>
FY2022 Projects	
WAN Remote Site Network Equipment Replacement	40,000
Server Replacement	60,000
FY2022 Total	<u>\$100,000</u>
FY2023 Projects	
Server Replacement	100,000
FY2023 Total	<u>\$100,000</u>
FY2024 Projects	
Network Backbone Equipment Replacement for Public Safety Building	200,000
FY2024 Total	<u>\$200,000</u>
Grand Total	<u><u>1,495,000</u></u>



PARKS, RECREATION AND COMMUNITY FACILITIES SUMMARY

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
Future Parks Projects	0	0	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	0	32,000,000
Infrastructure	0	1,006,000	1,354,000	1,735,000	2,078,000	1,449,000	1,809,000	1,633,000	1,644,000	2,041,000	1,588,000	0	16,337,000
Total	0	1,006,000	1,354,000	5,735,000	6,078,000	5,449,000	5,809,000	5,633,000	5,644,000	6,041,000	5,588,000	0	48,337,000

Funding Sources	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	1,006,000	1,354,000	1,735,000	2,078,000	1,449,000	1,809,000	1,633,000	1,644,000	2,041,000	1,588,000
Bonds	0	0	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Master Lease											
Total	\$0	\$1,006,000	\$1,354,000	\$5,735,000	\$6,078,000	\$5,449,000	\$5,809,000	\$5,633,000	\$5,644,000	\$6,041,000	\$5,588,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	335,000	670,000	1,005,000	1,340,000	1,675,000	2,010,000	2,345,000
Debt Service Master Lease										
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$335,000	\$670,000	\$1,005,000	\$1,340,000	\$1,675,000	\$2,010,000	\$2,345,000

FUTURE PARKS PROJECTS

Total Project Cost: \$32,000,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

•Parks & Rec Commission Facilities

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, identified numerous land acquisition, new construction, and major renovation projects which were not included in the 2009 Parks Bond Referendum. The Board has determined the need to improve the parks with additional new athletic fields (60% of future funding), improvements to existing athletic fields (20% of future funding) and other new park amenities (20% of future funding). The proposed CIP anticipates future bond referenda to address these projects beginning in FY17. The future park bond projects could include: master planning for park purposes available county-owned property, lighted synthetic turf fields, additional lighted, irrigated ballfields, athletic field renovations, drainage improvements, restroom and concession buildings, updated signage, new trails, trail repairs, expanded parking, picnic shelters, group and individual picnic areas, utility upgrades, updated signage, expanded parking, multi-purpose courts, dog parks, a fenced district maintenance facility, and other amenities yet to be determined by the master plan on the new property. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

If bond referenda are passed to fund future projects, recommendations in the Facilities Plan and some components of the Comprehensive Plan would be achieved. These park additions will improve customer service and provide more recreation opportunities to the citizens of Stafford. Renovations will extend the useful life of existing facilities. Projects like the maintenance facilities will preserve the equipment saving money in the long run. These maintenance facilities will provide places for equipment to be worked on during inclement weather and improve overall safety by reducing access by the public to the equipment. Operating costs and savings will occur as a result of implementing the bond referenda. Once projects have been established operating impacts can be determined.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000	\$4,000,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	335,000	670,000	1,005,000	1,340,000	1,675,000	2,010,000	2,345,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$335,000	\$670,000	\$1,005,000	\$1,340,000	\$1,675,000	\$2,010,000	\$2,345,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

Total Project Cost: \$12,199,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

• Principles of High Performance Financial Management

PROGRAM DESCRIPTION

Replace, repair or upgrade various County assets. See attached summary

OPERATING IMPACT SUMMARY

There are no operating costs associated with these projects.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Roof Replacement/Repairs	0	0	0	0	0	0	0	0	0	0	0
Asphalt/Parking/Roads/Signs	0	0	73,000	113,000	675,000	725,000	0	0	431,000	698,000	0
ADA/Security/Master Plan	0	0	0	0	153,000	0	0	0	0	94,000	0
Building Replace/Repairs/AC	0	337,000	318,000	929,000	102,000	0	0	717,000	0	760,000	1,302,000
Fence, Trails, Fields, Skate, Pool	0	210,000	286,000	115,000	699,000	702,000	1,519,000	627,000	614,000	0	0
Total	\$0	\$547,000	\$677,000	\$1,157,000	\$1,629,000	\$1,427,000	\$1,519,000	\$1,344,000	\$1,045,000	\$1,552,000	\$1,302,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	547,000	677,000	1,157,000	1,629,000	1,427,000	1,519,000	1,344,000	1,045,000	1,552,000	1,302,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$547,000	\$677,000	\$1,157,000	\$1,629,000	\$1,427,000	\$1,519,000	\$1,344,000	\$1,045,000	\$1,552,000	\$1,302,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

FY2015 Projects

	Project Amount
Multiple field irrigation; Rowser, Brooks	85,000
Brooks water fountains - 2	15,000
Brooks basketball courts overlay	35,000
Aquia Landing restrooms	157,000
Curtis Park restrooms pavilions 4 & 6	180,000
Dog parks - 2	75,000
FY2015 Total	\$ 547,000

FY2016 Projects

Willowmere; Repair trails and 3 water tanks for fields	109,000
Shelton's Cottage siding and structural repair	94,000
Information Park Signs	47,000
Courthouse Community Center acoustic tile	42,000
Courthouse Community Center parking lot repairs *	26,000
Woodlands Pool resurfacing	177,000
Maintenance equipment covered storage building and fencing 1 site	182,000
FY2016 Total	677,000

FY2017 Projects

Aquia Landing regrade parking lot and new fence	113,000
Pratt restroom/concession upgrades	218,000
Pratt & Brooks replace pavilions - 2	192,000
Woodlands pool bath house renovations	519,000
Brooks skate park resurface and upgrades	115,000
FY2017 Total	\$ 1,157,000

FY2018 Projects

Abel Lake pave entrance	28,000
Carl Lewis Community Center foundation repair	102,000
Curtis Park skate park upgrades	133,000
Willowmere install soccer field lights and landscaping - 2	268,000
Willowmere expand parking lot near soccer fields	647,000
Video surveillance systems in various parks	93,000
Curtis Park master plan	60,000
Smith Lake stadium for turf fields	298,000
FY2018 Total	\$ 1,629,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Parks)

FY2019 Projects

Duff Green resurface parking lot	205,000
Willowmere resurface parking lots	199,000
Duff Green overlook upgrade and expand trails	234,000
Willowmere rectangle field lights	468,000
Aquia Landing road improvements	321,000
	<hr/>
FY2019 Total	\$ 1,427,000

FY2020 Projects

Replace fence at various diamond fields *	443,000
Smith Lake bleachers at turf fields - 4	296,000
Smith Lake Field #1 turf replacement	780,000
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FY2020 Total	\$ 1,519,000

FY2021 Projects

Smith Lake field #2 turf replacement	627,000
Brooks Pratt maintenance building	239,000
Curtis Park create restroom at pavilion #7	478,000
	<hr/>
FY2021 Total	\$ 1,344,000

FY2022 Projects

St. Clair Brooks renovations	614,000
St. Clair Brooks repave parking lot	431,000
	<hr/>
FY2022 Total	\$ 1,045,000

FY2023 Projects

Pratt Park sewage pump station & expand parking lot	698,000
Patawomeck maintenance facility and fence	253,000
Grizzle Center master plan	94,000
Carl Lewis Community Center renovation	507,000
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FY2023 Total	\$ 1,552,000

FY2024 Projects

The Counting House renovation	651,000
Duff McDuff Green house renovation	651,000
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FY2024 Total	\$ 1,302,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

Total Project Cost: \$4,138,000

Est. Opening Date: On-going

Links to Board's Strategic Initiatives

• Principles of High Performance Financial Management

PROGRAM DESCRIPTION

Replace, repair or upgrade various County assets. See attached summary

OPERATING IMPACT SUMMARY

There are no operating costs associated with these projects



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
HVAC/Energy Management	0	0	0	40,000	0	0	290,000	180,000	76,000	0	0
Roof Replace/Repairs	0	0	0	150,000	240,000	0	0	0	0	0	0
Asphalt Repairs	0	409,000	434,000	388,000	0	0	0	0	0	0	100,000
ADA/Security	0	50,000	0	0	0	0	0	0	523,000	0	0
Building Replace/Repairs	0	0	0	0	123,000	0	0	0	0	489,000	186,000
Phone/Self Check in system	0	0	243,000	0	0	0	0	0	0	0	0
Carpet, Elevator, Site Imp.	0	0	0	0	86,000	22,000	0	109,000	0	0	0
Total	\$0	\$459,000	\$677,000	\$578,000	\$449,000	\$22,000	\$290,000	\$289,000	\$599,000	\$489,000	\$286,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	459,000	677,000	578,000	449,000	22,000	290,000	289,000	599,000	489,000	286,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$459,000	\$677,000	\$578,000	\$449,000	\$22,000	\$290,000	\$289,000	\$599,000	\$489,000	\$286,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

FY2015 Projects

Courthouse Community Center lighting	50,000
Government Center Parking Lot Repairs Ph 1	409,000
FY2015 Total	\$459,000

FY2016 Projects

Government Center Parking Lot Repairs Ph 2	434,000
Porter Library Phone system & check-in system	147,000
England Run Check-in system	96,000
FY2016 Total	\$677,000

FY2017 Projects

Courthouse Community Center Roof Replacement	160,000
Fire company #10 Exhaust system	15,000
England Run library parking lot repairs	122,000
Porter Library parking lot repairs	122,000
Tower site air conditioners	26,000
Fire station parking lot repairs 2, 10 & 12	133,000
FY2017 Total	\$578,000

FY2018 Projects

Courthouse pressure wash and paint	117,000
Courthouse carpet replacement	46,000
Courthouse roof replacement	256,000
Courthouse; replace furniture	30,000
FY2018 Total	\$449,000

FY2019 Projects

Fire company stations carpet replacement 2, 10 & 12	22,000
FY2019 Total	\$22,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE (Governmental)

FY2020 Projects

Public safety building air conditioner replacement

	290,000
FY2020 Total	<u>\$290,000</u>

FY2021 Projects

Administration building boiler replacement

Administration building flooring replacement

	180,000
	109,000
FY2021 Total	<u>\$289,000</u>

FY2022 Projects

ADA accessibility upgrades to public facilities

Fire company stations HVAC replacements; 2, 10 & 12

	523,000
	76,000
FY2022 Total	<u>\$599,000</u>

FY2023 Projects

Administration building pressure wash & paint exterior

chichester building; pressure wash & paint exterior

Administration building paint interior

Chichester building paint interior

	221,000
	158,000
	176,000
	66,000
FY2023 Total	<u>\$621,000</u>

FY2024 Projects

Furniture Replacement Courthouse

Garage/Storage Building

	243,000
	130,000
FY2024 Total	<u>\$373,000</u>

PUBLIC WORKS SUMMARY

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
Animal Shelter	0	0	330,000	4,733,000	0	0	0	0	0	0	0	0	5,063,000
Courthouse Addition	0	0	0	0	0	2,662,000	10,653,000	13,467,000	0	0	0	0	26,782,000
Library	0	0	0	0	0	0	0	0	0	1,000,000	9,210,000	6,767,000	16,977,000
Bike Trails	80,000	567,000	648,000	0	0	0	0	0	0	0	0	0	1,295,000
Belmont Ferry Farm Trail - Phase 4	440,000	280,000	0	0	0	0	0	0	0	0	0	0	720,000
Belmont Ferry Farm Trail - Phase 6	0	0	75,000	925,000	0	0	0	0	0	0	0	0	1,000,000
Stormwater Permit Compliance	0	349,000	1,498,000	1,578,000	1,611,800	2,272,600	2,424,464	2,431,603	2,449,027	2,456,748	2,485,778	0	19,557,020
Total	\$520,000	\$1,196,000	\$2,551,000	\$7,236,000	\$1,611,800	\$4,934,600	\$13,077,464	\$15,898,603	\$2,449,027	\$3,456,748	\$11,695,778	\$6,767,000	\$71,394,020

Funding Sources	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	349,000	1,498,000	2,401,400	1,611,800	2,272,600	2,424,464	2,431,603	2,449,027	2,456,748	2,485,778
Bonds	0	0	330,000	3,909,600	0	2,662,000	10,653,000	13,467,000	0	1,000,000	9,210,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	80,000	567,000	648,000	0	0	0	0	0	0	0	0
Service District Supported GO Debt	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	60,000	60,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	380,000	220,000	75,000	925,000	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$520,000	\$1,196,000	\$2,551,000	\$7,236,000	\$1,611,800	\$4,934,600	\$13,077,464	\$15,898,603	\$2,449,027	\$3,456,748	\$11,695,778

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	54,000	1,065,000	1,107,000	1,151,000	1,198,000	1,245,000	1,295,000	70,000
Operating	0	0	71,000	654,000	427,000	476,000	527,000	577,000	630,000	681,000
Debt Service	0	0	28,000	355,000	355,000	578,000	1,469,000	2,596,000	2,596,000	2,680,000
Debt Service Master Lease										
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$153,000	\$2,074,000	\$1,889,000	\$2,205,000	\$3,194,000	\$4,418,000	\$4,521,000	\$3,431,000

ANIMAL SHELTER

Total Project Cost: \$5,076,000

Est. Opening Date: FY2018

[Links to Board's Strategic Initiatives](#)

- Conformance to state guidelines

PROGRAM DESCRIPTION

A new and modern animal shelter and animal control facility. Building will meet or exceed state guidelines for a municipal pound. Building will include a spay/neuter clinic, separate isolation rooms for different species. Separate pens for adoptable, healthy animals and sick and quarantined animals. The Facility will have sufficient office space to include dispatch/communications room, officers space, crematorium, cleaning stations, sally port and shelter staff space. Reception area will be of sufficient size for animal intake and drop off. Facility will be designed especially to house animals and will be properly ventilated, drained, lighted, and sized. Animal confinement areas will be constructed properly to prevent the spread of disease and be pleasing to the public while visiting the facility. Parking area will be sufficient to allow for the volume of visitors. The facility will be designed to allow for a future expansion to include larger holding areas for animals and a sally port for secure transport of animals. Facility will be placed on 5 acres of a 38 acre County owned parcel adjacent to the Regional Jail. Cost of Animal Shelter will be offset by revenue from R-Board for building and land value.



OPERATING IMPACT SUMMARY

Operating impacts include one time start up costs and additional maintenance and operating costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	343,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	4,733,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$5,076,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	823,400	0	0	0	0	0	0	0
Bonds	0	0	330,000	3,909,600	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$330,000	\$4,733,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	135,000	49,000	51,000	53,000	55,000	58,000	60,000
Debt Service	0	0	28,000	355,000	355,000	355,000	355,000	355,000	355,000	355,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$28,000	\$490,000	\$404,000	\$406,000	\$408,000	\$410,000	\$413,000	\$415,000

COURTHOUSE ADDITION

Total Project Cost: \$26,782,000

Est. Opening Date: FY2022

[Links to Board's Strategic Initiatives](#)

• 2004 space needs

PROGRAM DESCRIPTION

Construction of a 40,000 square foot expansion to the existing Courthouse to provide three additional courtrooms for the County's Courts, Clerk's Offices and prisoner holding. The 2004 comprehensive County-wide space needs assessment revealed that Stafford Courts' current space of 45,247 net square feet (NSF) is 29,089 NSF less than the current need; 54,323 NSF less than the 10-year need and 100,721 NSF less than the 20-year need. The project consists of renovations to the existing courtroom and office space, along with site improvements to provide for prisoner transfer accommodations, significant ADA upgrades and minimal parking improvements.

OPERATING IMPACT SUMMARY

Operating costs assumes three additional courtrooms will be in operation. Start up costs include expenses for computers, phones, metal detector and 14 new employees. Ongoing costs include 11 deputies and 1 sergeant for the Sheriff's department. 1 maintenance mechanic II and 2 custodians for Parks, Recreation and Community Facilities department. As courtrooms are added additional personnel would be needed.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	2,662,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	10,653,000	10,642,000	0	0	0
Contingency	0	0	0	0	0	0	0	2,825,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$2,662,000	\$10,653,000	\$13,467,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	2,662,000	10,653,000	13,467,000	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$2,662,000	\$10,653,000	\$13,467,000	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	1,180,000	1,227,000	1,276,000
Operating	0	0	0	0	0	0	0	517,000	307,000	319,000
Debt Service	0	0	0	0	0	223,000	1,114,000	2,241,000	2,241,000	2,241,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$223,000	\$1,114,000	\$3,938,000	\$3,775,000	\$3,836,000

Central Rappahannock Regional Library #3

Total Project Cost: \$16,977,000

Est. Opening Date: FY2025

[Links to Board's Strategic Initiatives](#)
• Comprehensive Plan

PROGRAM DESCRIPTION

The CRRL Board of Trustees is recommending the opening of a new branch library in the County to meet current unmet demands and to accommodate projected new population growth. High demand for books, programming, meeting rooms, computers and other library services at the Porter and England Run libraries will be relieved by a third library facility in the developing residential/commercial Courthouse area. The facility will be needed to keep pace with population growth and the development of core infrastructure by Stafford County to provide comprehensive education and quality of life opportunities for all County residents. Three options for a new facility could include a traditional branch which would be similar to Porter and England Run libraries, a store front facility which could be located at a retail venue, or a partnership with Germanna Community College.



OPERATING IMPACT SUMMARY

No operating costs are associated with the project in this planning period.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	1,000,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	2,443,000
Construction / Project	0	0	0	0	0	0	0	0	0	0	6,767,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$9,210,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	1,000,000	9,210,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$9,210,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	84,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$84,000

BIKE TRAILS

Total Project Cost: \$1,295,000

Est. Opening Date: 2017

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Stafford County entered into an agreement with the Federal Highway Administration to build bike trails along Warrenton Road parallel to the upgrades conducted by the Virginia Department of Transportation. These trails will be built parallel to Warrenton Road a safe distance from traffic, near South gateway drive to Plantation and continuing on to Stafford Lakes Parkway. The funds for this project will come from service district fees.



OPERATING IMPACT SUMMARY

No operating impacts are associated with this project. Once completed, ownership of this project will be transferred to VDOT.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	80,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	567,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	648,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$80,000	\$567,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	80,000	567,000	648,000	0	0	0	0	0	0	0	0
Service Dist Supported GO Debt	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Total	\$80,000	\$567,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BELMONT FERRY FARM TRAIL - PHASE 4

Total Project Cost: \$720,000

Est. Opening Date: FY2015

[Links to Board's Strategic](#)

• [Comprehensive Plan](#)

PROGRAM DESCRIPTION

Phase 4 of the Belmont Ferry Farm trail will be constructed along River Road, from the termination point of the existing phase 1 and 2 trails. The trail will be built on the north side of River Road within John Lee Pratt Memorial Park to the south side of River Road, adjacent to the Chatham Bridge. Between those points the trail runs west to east for about 2,100 linear feet. The trail is mostly parallel to River Road (1,800 LF) on the south side of the road with a roadway crossing (on-grade) near the western boundary of the Fredericksburg and Spotsylvania National Military Park (Chatham Manor). Funding for this project includes an Enhancement Grant.



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	160,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	280,000	280,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$440,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	60,000	60,000	0	0	0	0	0	0	0	0	0
State/Federal	380,000	220,000	0	0	0	0	0	0	0	0	0
Total	\$440,000	\$280,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BELMONT FERRY FARM TRAIL - PHASE 6

Total Project Cost: \$1,000,000

Est. Opening Date: FY2017

Links to Board's Strategic Initiatives

• Approved by the voters in the 2009 referendum

• Parks & Rec Commission

PROGRAM DESCRIPTION

The project consists of constructing a portion of the Belmont-Ferry Farm Trail. The target segment is phase 6 from the Chatham Bridge to Ferry Farm. Trails are the highest use need as identified by County residents. Design of Phase 6 of the Belmont-Ferry Farm Trail is at the conceptual stage. This project will complete the design, permitting and construction of Phase 6. Identified as a project proposed in the 2009 park bond program. Staff is working to secure grant funding for this entire project.

OPERATING IMPACT SUMMARY

Annual operating impact includes one additional full time park maintenance worker position and one time start up costs for equipment to maintain trails.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	75,000	300,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	569,000	0	0	0	0	0	0	0
Contingency	0	0	0	56,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	75,000	925,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	54,000	56,000	58,000	60,000	63,000	65,000	68,000	70,000
Operating	0	0	33,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$87,000	\$58,000	\$60,000	\$62,000	\$65,000	\$67,000	\$70,000	\$72,000

CHESAPEAKE BAY TMDL/MS4 STORMWATER PERMIT COMPLIANCE

Total Project Cost: \$19,557,020

Est. Opening Date: On-Going

Links to Board's Strategic Initiatives

- Compliance with Chesapeake Bay TMDL
- Compliance with NPDES MS4 Stormwater Discharge

PROGRAM DESCRIPTION

The U.S. Environmental Protection Agency (EPA) in coordination with the Virginia Department of Conservation and Recreation is developing a Total Maximum Daily Load (TMDL) for the Chesapeake Bay. The TMDL was finalized by EPA on December 31, 2010. The TMDL established a "pollution diet" for the entire Chesapeake Bay watershed to address pollution from nutrients and sediment and require localities to implement water quality improvements to meet water quality standards for the Bay. EPA has identified the retrofit of previously developed land for water quality controls as a key component of the TMDL. It is anticipated that the County's MS4 Stormwater Permit will contain retrofit mandates on a phased basis over 15 years. Retrofits will include construction of new stormwater management facilities and upgrades to existing facilities to meet quality standards. For the first five-year period, the County will be expected to retrofit 5% of the requirement, 30% in the second five-year period, and 65% in the third five-year period. Cost share funding from the U.S. Army Corps of Engineers may be available to lower future Planning/Design costs.

OPERATING IMPACT SUMMARY

Operating costs will begin with completion of the construction of the first facilities. The stormwater retrofits will be located on both public and private properties. It is assumed that the County will be responsible for the operation and maintenance (O&M) of retrofit facilities. Annual O&M costs were estimated to be 5% of the total cost of facilities constructed to date.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	349,000	1,498,000	1,578,000	1,611,800	2,272,600	2,424,464	2,431,603	2,449,027	2,456,748	2,485,778
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$349,000	\$1,498,000	\$1,578,000	\$1,611,800	\$2,272,600	\$2,424,464	\$2,431,603	\$2,449,027	\$2,456,748	\$2,485,778

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	349,000	1,498,000	1,578,000	1,611,800	2,272,600	2,424,464	2,431,603	2,449,027	2,456,748	2,485,778
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$349,000	\$1,498,000	\$1,578,000	\$1,611,800	\$2,272,600	\$2,424,464	\$2,431,603	\$2,449,027	\$2,456,748	\$2,485,778

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$38,000	\$75,000	\$113,000	\$150,000	\$188,000	\$225,000	\$263,000	\$300,000

TRANSPORTATION SUMMARY

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
(5) Route 610, Garrisonville Rd (PPTA)	4,645,000	2,922,739	6,197,739	0	0	0	0	0	0	0	0	0	13,765,478
(9) Route 652, Truslow Rd, East of I-95	0	0	0	1,500,000	7,136,294	7,136,294	0	0	0	0	0	0	15,772,588
(10) Route 652, Truslow Rd, West of I-95 (PPTA)	3,446,528	0	2,820,528	0	0	0	0	0	0	0	0	0	6,267,056
(1) Route 1, Jefferson Davis Hwy	0	100,000	600,000	600,000	0	0	0	0	0	0	0	0	1,300,000
(2) Route 616, Poplar Rd, south of Mountain View Rd	140,000	1,360,000	0	0	0	0	0	0	0	0	0	0	1,500,000
(3) Route 627, Mountain View Rd from Joshua Rd to Rose Hill Farm Rd	5,216,500	2,333,500	0	0	0	0	0	0	0	0	0	0	7,550,000
(4) Route 17, Warrenton Rd	25,400,000	26,400,000	0	0	0	0	0	0	0	0	0	0	51,800,000
(6) Route 606, Ferry Rd	200,000	200,000	1,000,000	0	0	0	0	0	0	0	0	0	1,400,000
(15) Courthouse Road & Route 1 Intersection Improvements	200,000	1,400,000	4,730,000	0	0	0	0	0	0	0	0	0	6,330,000
(7) Route 630, Courthouse Rd: Cedar Lane to Winding Creek Rd	7,875,000	1,518,358	10,000,000	10,577,530	0	0	0	0	0	0	0	0	29,970,888
(8) Route 630, Courthouse Rd: Winding Creek Rd to Shelton Shop Rd	0	0	0	2,800,000	11,100,000	13,904,000	0	0	0	0	0	0	27,804,000
(11) Pedestrian Improvements	0	0	380,000	380,000	380,000	0	0	0	0	0	0	1,140,000	2,280,000
(12) Route 627, Mountain View Road Ext. to High School	650,000	2,000,000	0	0	0	0	0	0	0	0	0	0	2,650,000
(13) Streetscape Phase 1	2,857,000	3,519,000	0	0	0	0	0	0	0	0	0	0	6,376,000
(14) Streetscape Phase 2	0	0	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0	0	18,084,000
(16) Garrisonville Road & Route 1 Intersection Improvements	100,000	700,000	0	0	0	0	0	0	0	0	0	0	800,000
(17) Stafford Parkway	400,000	0	0	0	0	0	0	0	10,000,000	22,150,000	22,150,000	45,000,000	99,700,000
(18) Enon Road Improvements	200,000	750,000	2,050,000	0	0	0	0	0	0	0	0	0	3,000,000
(19) Butler Road	0	0	0	0	0	2,000,000	9,400,000	8,800,000	0	0	0	0	20,200,000
(20) Garrisonville Road Eustace Road to Shelton Shop Rd	0	0	0	0	0	3,000,000	14,000,000	11,400,000	0	0	0	0	28,400,000
(21) Eskimo Hill Road	0	0	0	750,000	0	3,300,000	3,300,000	0	0	0	0	0	7,350,000
(22) Leeland Road	0	0	0	0	0	500,000	0	2,000,000	0	2,500,000	0	0	5,000,000
(23) Shelton Shop Road	0	0	0	0	0	0	0	1,500,000	0	6,750,000	6,750,000	0	15,000,000
(24) Mt. View Road - Shelton Shop to Choptank Road	0	0	0	0	300,000	0	1,000,000	1,200,000	0	0	0	0	2,500,000
(25) Berea Church Road	0	0	480,000	300,000	4,112,068	0	0	0	0	0	0	0	4,892,068
(26) Corporate Center Drive	0	2,600,000	0	0	0	0	0	0	0	0	0	0	2,600,000
(27) Brent Point Road	0	200,000	1,250,000	1,000,000	0	0	0	0	0	0	0	0	2,450,000
Falmouth Safety Improvements	200,000	0	657,000	0	0	0	0	0	0	0	0	0	857,000
Boswell's Corner Improvements	0	0	0	0	0	0	0	0	50,000	332,000	0	0	382,000
Courthouse Area Improvements	0	0	0	0	0	0	120,000	105,000	720,000	0	0	0	945,000
Rt. 709 Capital Avenue Extended	0	0	0	0	0	0	0	0	0	0	0	6,500,000	6,500,000
Total	\$51,530,028	\$46,003,597	\$32,509,267	\$24,987,530	\$28,050,362	\$33,478,294	\$27,820,000	\$25,005,000	\$10,770,000	\$31,732,000	\$28,900,000	\$46,140,000	\$386,926,078

TRANSPORTATION SUMMARY

Funding Sources	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
Bonds	0	1,916,000	13,295,306	6,045,034	8,493,660	7,031,695	9,997,305	7,000,000	7,000,000	7,000,000	10,500,000	29,550,928	107,829,928
Cash	255,000	2,300,000	0	0	0	0	0	0	0	0	0	0	2,555,000
Proffers	906,126	638,388	302,147	0	50,000	0	0	0	0	0	0	0	1,896,661
Service District Supported GO Debt*	5,870,478	0	0	0	0	0	8,800,000	0	0	0	0	0	14,670,478
Service District	995,000	0	0	0	1,110,966	0	0	0	0	0	5,468,142	0	7,574,108
Fuel Tax	8,394,430	1,810,719	3,522,264	87,853	1,195,068	0	1,120,000	1,305,000	770,000	332,000	1,445,858	0	19,983,192
Revenue Sharing	21,335,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	10,000,000	13,000,000	134,335,000
State/Federal	30,940,799	30,469,000	4,847,636	7,693,832	6,007,809	4,744,458	0	0	0	0	0	0	84,703,534
Impact Fees	200,000	638,177	100,000	100,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000	0	12,238,177
Total Funding Sources Identified	68,896,833	47,772,284	32,067,353	23,926,719	28,457,503	23,376,153	31,517,305	19,905,000	19,370,000	18,932,000	29,014,000	50,304,928	385,786,078

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Debt Service	0	160,000	1,273,000	1,779,000	2,490,000	3,078,000	3,915,000	4,501,000	5,087,000	5,673,000
Service District Debt Service	0	0	0	0	0	0	736,378	736,378	736,378	736,378
	\$0	\$160,000	\$1,273,000	\$1,779,000	\$2,490,000	\$3,078,000	\$4,651,378	\$5,237,378	\$5,823,378	\$6,409,378

\$70 million Transportation Bond Referendum approved November 2008 (FY2009), expires November 2016 (FY2017)
 Circuit Court's order to grant a two-year extension must be entered before the initial eight-year period expires.

ROUTE 1, JEFFERSON DAVIS HIGHWAY

Total Project Cost: \$1,300,000

Est. Opening Date: FY17

[Links to Board's Strategic](#)

- Approved by voters in the 2008
- Comprehensive Plan

PROGRAM DESCRIPTION

Construction of a left-turn lane from southbound Jefferson Davis Highway to Potomac Creek Drive.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	100,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	600,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	600,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$600,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	600,000	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	600,000	0	0	0	0	0	0	0	0
State/Federal	0	100,000	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

ROUTE 616, POPLAR ROAD, SOUTH OF MOUNTAIN VIEW ROAD

Total Project Cost: \$1,500,000

Est. Opening Date: FY15

PROGRAM DESCRIPTION

Improve the intersection of Poplar Road and Mountain View Road, and make safety improvements to Poplar Road for 0.25 miles south of Mountain View Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

[illegible][illegible][illegible]

Links to Board's Strategic Initiatives

- Approved by voters in the 2008
- Comprehensive Plan
- Youth driver safety initiatives



ROUTE 627, MOUNTAIN VIEW ROAD FROM JOSHUA ROAD TO ROSE HILL FARM DRIVE

Total Project Cost: \$7,550,000

Est. Opening Date: FY16

[Links to Board's Strategic Initiatives](#)

PROGRAM DESCRIPTION

Reconstruction of Mountain View Road from Joshua Road to Rose Hill Farm Drive.

- Approved by voters in the 2008 referendum
- Comprehensive Plan
- Youth driver safety initiatives

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	533,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	2,340,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	2,343,500	2,333,500	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,216,500	\$2,333,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	1,565,000	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	19,751	0	0	0	0	0	0	0	0	0	0
S D Supported GO	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	3,755,249	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	2,210,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,985,000	\$1,565,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	131,000	131,000	131,000	131,000	131,000	131,000	131,000	131,000	131,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$131,000	\$131,000	\$131,000	\$131,000	\$131,000	\$131,000	\$131,000	\$131,000	\$131,000

ROUTE 17, WARRENTON ROAD

Total Project Cost: \$51,800,000

Est. Opening Date: FY16

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Widen Warrenton Road from 4 to 6 lanes from McLane Drive to Village Parkway. This project was included in the 2008 Bond Referendum, but has since been administered by VDOT and fully funded from state and federal funds.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	7,200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	18,200,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	26,400,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$25,400,000	\$26,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	25,400,000	26,400,000	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$25,400,000	\$26,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 610, GARRISONVILLE ROAD

Total Project Cost: \$13,765,478

Est. Opening Date: FY17

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Widen to 6-lanes Garrisonville from Onville Road to Eustace Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	1,370,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	3,275,000	2,922,739	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	6,197,739	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$4,645,000	\$2,922,739	\$6,197,739	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	5,870,478	0	0	0	0	0	0	0	0	0	0
Service District	995,000	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	6,900,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	13,765,478	0	0	0	0	0	0	0	0	0	0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 606, FERRY ROAD

Total Project Cost: \$1,400,000

Est. Opening Date: FY16

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Construction of Improvements to the Ferry Road and Kings Highway Intersection to improve peak hour through capacity. Project involves the addition and extension of turn lanes to add stacking capacity. VDOT will administer this project using a combination of state and local funds.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	200,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,000,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	461,823	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	200,000	638,177	0	0	0	0	0	0	0	0	0
Total	\$300,000	\$1,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 630, COURTHOUSE ROAD: CEDAR LANE TO WINDING CREEK ROAD

Total Project Cost: \$29,970,888

Est. Opening Date: FY19

[Links to Board's Strategic Initiatives](#)

• Approved by voters in the 2008

• Comprehensive Plan

PROGRAM DESCRIPTION

Widen Courthouse Road to 4 lanes from Cedar Lane to Winding Creek Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	2,375,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	5,500,000	1,518,358	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	10,000,000	10,577,530	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,875,000	\$1,518,358	\$10,000,000	\$10,577,530	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	12,315,306	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	249,371	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	6,089,500	6,475,177	0	0	0	0	0	0	0	0	0
State/Federal	2,031,799	0	103,636	613,832	985,809	1,106,458	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$8,121,299	\$6,724,548	\$12,418,942	\$613,832	\$985,809	\$1,106,458	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	1,031,000	1,031,000	1,031,000	1,031,000	1,031,000	1,031,000	1,031,000	1,031,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,031,000	\$1,031,000	\$1,031,000	\$1,031,000	\$1,031,000	\$1,031,000	\$1,031,000	\$1,031,000

ROUTE 630, COURTHOUSE ROAD: WINDING CREEK ROAD TO SHELTON SHOP ROAD

Total Project Cost: \$27,804,000

Est. Opening Date: FY19

[Links to Board's Strategic Initiatives](#)

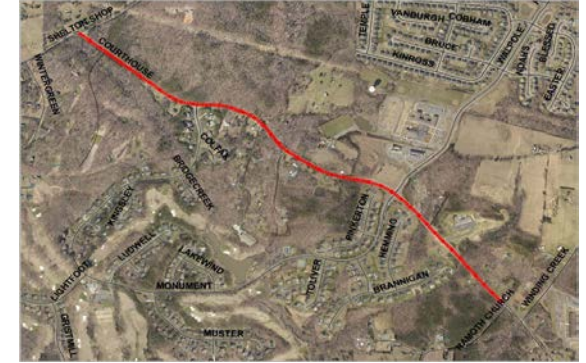
- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Widen Courthouse Road to 4 lanes from Winding Creek Road to Shelton Shop Road. Preliminary engineering and right-of-way acquisition and construction.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	2,800,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	11,100,000	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	13,904,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$2,800,000	\$11,100,000	\$13,904,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	5,665,034	4,089,599	2,000,000	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	8,240,000	4,499,250	3,310,117	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$8,240,000	\$10,164,284	\$7,399,716	\$2,000,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	474,000	816,000	983,000	983,000	983,000	983,000	983,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$474,000	\$816,000	\$983,000	\$983,000	\$983,000	\$983,000	\$983,000

ROUTE 652, TRUSLOW ROAD, EAST OF I-95

Total Project Cost: \$15,772,588

Est. Opening Date: FY20

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008
- Comprehensive Plan

PROGRAM DESCRIPTION

Reconstruction of Truslow Road from Cambridge Street to Interstate 95.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	1,500,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	7,136,294	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	7,136,294	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,500,000	\$7,136,294	\$7,136,294	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	4,024,061	1,500,000	2,362,233	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	1,196,411	6,689,883	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,196,411	\$10,713,944	\$1,500,000	\$2,362,233	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	337,000	463,000	661,000	661,000	661,000	661,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$337,000	\$463,000	\$661,000	\$661,000	\$661,000	\$661,000

ROUTE 652, TRUSLOW ROAD, WEST OF I-95

Total Project Cost: \$6,267,056

Est. Opening Date: FY17

Links to Board's Strategic Initiatives

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Reconstruction of Truslow Road from Plantation Drive to Berea Church Road.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	626,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	2,820,528	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,820,528	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$3,446,528	\$0	\$2,820,528	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	351,000	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	886,375	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	1,896,181	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	3,133,500	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$5,916,056	\$351,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000	29,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000

PEDESTRIAN IMPROVEMENTS

Total Project Cost: \$1,140,000

Est. Opening Date: Various

[Links to Board's Strategic Initiatives](#)

- Approved by voters in the 2008 referendum
- Comprehensive Plan

PROGRAM DESCRIPTION

Improve pedestrian facilities at various, as yet to be determined, locations around the County.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond Program project. Depending on the location, upon completion, VDOT may become the owner of the pedestrian improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	380,000	380,000	380,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$380,000	\$380,000	\$380,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	380,000	380,000	380,000	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$380,000	\$380,000	\$380,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	32,000	64,000	96,000	96,000	96,000	96,000	96,000	96,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$32,000	\$64,000	\$96,000	\$96,000	\$96,000	\$96,000	\$96,000	\$96,000

ROUTE 627, MOUNTAIN VIEW ROAD EXTENSION

Total Project Cost: \$2,650,000

Est. Opening Date: FY15

[Links to Board's Strategic Initiatives](#)

• Board's priorities

PROGRAM DESCRIPTION

Reconstruction of Mountain View Road from Rose Hill Farm Drive to the Mountain View High School.

OPERATING IMPACT SUMMARY

An extension of a 2008 Transportation Bond Program project. Upon completion, VDOT becomes the owner of the improved road.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	290,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	360,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$650,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	1,650,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,000,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE STREETSCAPE - PHASE 1a and 1b (US-1) (Redevelopment Plan - Courthouse Area)

Total Project Cost: \$6,376,000

Est. Opening Date: 2015

[Links to Board's Strategic Initiatives](#)

- Economic Development 10 Point Plan
- Redevelopment Plan

PROGRAM DESCRIPTION

This project is part of the revitalization of the Courthouse area. It is the first step towards implementing the Courthouse Redevelopment Master Plan and will provide key linkages to sidewalks in the Courthouse area. The project will create the infrastructure support for a pedestrian-friendly center around the Courthouse area. Sidewalks will be added and landscaping provided. Crosswalks will be restriped and pedestrian signal heads will be installed. The project will extend along Jefferson Davis Highway (US-1) between Hope Road and Hospital Center Boulevard and along Courthouse Road (State Route 630) between Red Oak Drive and Stafford Avenue. Phase 1a consists of streetscape improvements along US-1 between Hope Rd. and Courthouse Rd. that are located on county property. Phase 1c includes property on the south side of the Courthouse and Rt 1 intersection. The County has been awarded \$500,000 to begin work on Phase 1c. Project costs do not include road improvements. Phase 1b consists of the remainder of the streetscape improvements between Hope Rd. and Courthouse Rd, these improvements may be done with the intersection improvement project.



OPERATING IMPACT SUMMARY

Operating costs consist of maintenance of the improvements that are located outside of the VDOT road right-of-way.

PROJECT COSTS

Engineering for entire project.
Phase 1a - construction

Phase 1b property acquisition and construction

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	1,024,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	2,311,000	0	0	0	0	0	0	0	0	0
Construction / Project	1,833,000	1,208,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,857,000	\$3,519,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	155,000	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	93,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	2,609,000	3,519,000	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,857,000	\$3,519,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	18,000	18,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$18,000	\$18,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000

COURTHOUSE STREETSCAPE - PHASE 2, 3 and 4 (US-1) (Redevelopment Plan - Courthouse)

Total Project Cost: \$18,084,000

Est. Opening Date: On-going

[Links to Board's Strategic Initiatives](#)

- Economic Development 10 Point Plan
- Redevelopment Plan

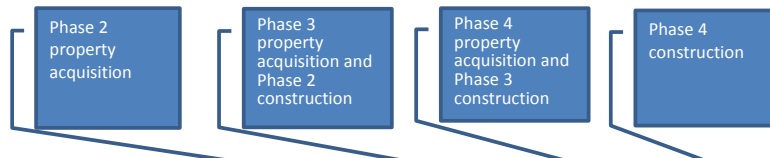
PROGRAM DESCRIPTION

The project is part of the revitalization of the Courthouse area. It is the first step towards implementing the Courthouse Redevelopment Master Plan and will provide key linkages to sidewalks in the Courthouse area. The project will create the infrastructure support for a pedestrian-friendly center around the Courthouse area. Sidewalks will be added and landscaping provided. Crosswalks will be restriped and pedestrian signal heads will be installed. The project will extend along Jefferson Davis Highway (US-1) between Hope Road and Hospital Center Boulevard and along Courthouse Road (State Route 630) between Red Oak Drive and Stafford Avenue. Phase 2 consists of the streetscape improvements along Courthouse Rd. between US-1 and Red Oak Dr. Phase 3 consists of the streetscape improvements along US-1 between Courthouse Rd and Hospital Center Blvd. Phase 4 consists of the streetscape improvements along Courthouse Rd. between US-1 and Stafford Ave. Project costs include road improvements necessary to fully implement the streetscape improvements.



OPERATING IMPACT SUMMARY

Operating impacts will begin in FY18 with the completion of the construction of phase 2. Operating costs consist of maintenance of the improvements that are located outside of the VDOT road right-of-way.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	2,344,000	4,023,000	753,000	0	0	0	0	0	0
Construction / Project	0	0	0	3,057,000	4,269,000	3,638,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	31,000	31,000	73,000	110,000	110,000	110,000	110,000
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$31,000	\$31,000	\$73,000	\$110,000	\$110,000	\$110,000	\$110,000

ROUTE 1 COURTHOUSE ROAD INTERSECTION IMPROVEMENT

Total Project Cost: \$6,330,000

Est. Opening Date: FY2017

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Economic Development 10 Point Plan
- Comprehensive Plan

PROGRAM DESCRIPTION

The intersection of Courthouse Road (S.R. 630) and Jefferson Davis Highway (U.S. Route 1) has a Level of Service of "F" during peak morning and afternoon traffic periods. Furthermore, U.S. Route 1 serves as the primary alternate route for I-95 when there are backups on the Interstate Highway. The proposed improvements to this intersection include additional left and right turn lanes to allow simultaneous traffic movement north and south on Route 1, and east and west on Route 630 to eliminate the current split phasing at that intersection. This will greatly increase the volume of traffic that can pass, and allow more flexibility to adjust signal phasing to accommodate peak hour and emergency signal patterns. The project will also include pedestrian accommodations consistent with the location in the center of the Stafford courthouse area and the future plans for the Courthouse Urban Development Area.



OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	200,000	400,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	1,000,000	1,532,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	3,198,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,400,000	\$4,730,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	162,720	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	400,000	662,016	1,940,264	0	0	0	0	0	0	0	0
Revenue Sharing	1,602,000	1,563,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$2,002,000	\$2,387,736	\$1,940,264	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

GARRISONVILLE ROAD ROUTE 1 INTERSECTION IMPROVEMENT

Total Project Cost: \$800,000

Est. Opening Date: FY2016

[Links to Board's Strategic Initiatives](#)

- Economic Development 10 Point Plan
- Comprehensive Plan

PROGRAM DESCRIPTION

The intersection of Garrisonville Road (S.R. 610) and Jefferson Davis Highway (U.S. Route 1) has a failing Level of Service during peak afternoon traffic periods. Furthermore, U.S. Route 1 serves as the primary alternate route for I-95 when there are backups on the Interstate Highway. The proposed improvements to this intersection include additional right turn lanes from southbound Route 1 to allow increased traffic movement west on Garrisonville Road. This will prevent daily queuing of traffic into the Route 1 southbound travel lanes.



OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	100,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	100,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	600,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$700,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	201,297	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	100,000	398,703	0	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

STAFFORD PARKWAY

Total Project Cost: \$99,700,000

Est. Opening Date: TBD

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Improvements are planned to Warrenton Road; however, the interchange at I-95 will not be improved. The Stafford Parkway will be a four lane limited access highway which will run from Centerport Parkway to Warrenton Road. It is anticipated that this roadway will decrease the traffic coming through the interchange at Warrenton Road and I-95.

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	400,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	10,000,000	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	22,150,000	22,150,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000,000	\$22,150,000	\$22,150,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	7,000,000	7,000,000
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	5,468,142
Fuel Tax	200,000	0	0	0	0	0	0	0	0	0	1,445,858
Revenue Sharing	200,000	0	0	0	0	0	0	10,000,000	10,000,000	10,000,000	10,000,000
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000	\$17,000,000	\$23,914,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	586,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$586,000

ENON ROAD & ROUTE 1 IMPROVEMENTS

Total Project Cost: \$3,000,000

Est. Opening Date: FY2017

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Enon Road has experienced a large increase in vehicle trips per day since the opening of the I-95 interchange at Centreport Parkway. A recent traffic engineering analysis determined that the segment between Route 1 and Stafford Indians Lane currently has 9,000 vehicle trips per day (VPD) and projects over 15,000 VPD in 2020. Furthermore, the study noted deficiencies in the intersection at Route 1. The study recommended construction of a 3-lane section for Enon Road east of the I-95 bridge, and tapering to a 2-lane section just east of the bridge.



OPERATING IMPACT SUMMARY

No operating impacts are expected for the County since upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	750,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,050,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$750,000	\$2,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	200,000	375,000	925,000	0	0	0	0	0	0	0	0
Revenue Sharing	0	1,400,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	100,000	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,775,000	\$1,025,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BUTLER ROAD

Total Project Cost: \$20,200,000

Est. Opening Date: FY2022

[Links to Board's Strategic](#)

- Comprehensive Plan
- Transportation Plan

PROGRAM DESCRIPTION

Improvements to Butler Road from the termini of the Falmouth Intersection project to the intersection of Castle Rock Drive (across from the YMCA). This improvement will widen the roadway from 2 lanes to four lanes and will include turn lanes, wider shoulders improved sight distance and will meet current VDOT standards. This project will span approximately 0.81 miles.

OPERATING IMPACT SUMMARY

No operating impacts are anticipated at this time



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	2,000,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	9,400,000	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	8,000,000	0	0	0
Contingency	0	0	0	0	0	0	0	800,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$9,400,000	\$8,800,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	7,635,072	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
SD Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	8,400,000	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$16,035,072	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	639,000	639,000	639,000	639,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$639,000	\$639,000	\$639,000	\$639,000

ROUTE 610, GARRISONVILLE ROAD

Total Project Cost: \$28,400,000

Est. Opening Date: FY22

[Links to Board's Strategic Initiatives](#)

• Included in the Transportation Plan

PROGRAM DESCRIPTION

Widen Garrisonville Road to 6-lanes from Eustace Road to Shelton Shop Road.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	3,000,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	14,000,000	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	11,400,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$14,000,000	\$11,400,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	8,800,000	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	10,000,000	1,600,000	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
Total	0	0	0	0	0	10,000,000	12,000,000	1,600,000	1,600,000	1,600,000	1,600,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ESKIMO HILL ROAD IMPROVEMENTS

Total Project Cost: \$7,350,000

Est. Opening Date: FY20

[Links to Board's Strategic Initiatives](#)

- Transportation Plan
- Comprehensive Plan

PROGRAM DESCRIPTION

Two lane reconstruction of Eskimo Hill Road between Route 1 and Potomac Run Road

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS



Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	750,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	3,300,000	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	3,300,000	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$750,000	\$0	\$3,300,000	\$3,300,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	1,031,695	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	3,018,305	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	100,000	1,600,000	1,600,000	0	0	0	0	0
Total	0	0	0	3,118,305	1,600,000	2,631,695	0	0	0	0	0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	86,000	86,000	86,000	86,000	86,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000

LEELAND ROAD WIDENING

Total Project Cost: \$5,000,000

Est. Opening Date: FY24

[Links to Board's Strategic Initiatives](#)

• Transportation Plan

PROGRAM DESCRIPTION

Widen Leeland Road to 3-lanes from Deacon Road to Leeland Station.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS



Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	500,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	2,000,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	2,500,000	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$500,000	\$0	\$2,000,000	\$0	\$2,500,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	2,500,000	0	0	2,500,000	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	2,500,000	0	0	2,500,000	0	0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	209,000	209,000	209,000	418,000	418,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$209,000	\$209,000	\$209,000	\$418,000	\$418,000

SHELTON SHOP ROAD

Total Project Cost: \$15,000,000

Est. Opening Date: FY25

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Reconstruction of Shelton Shop Road between Garrisonville Road and Mountain View Road to provide a 4-lane divided highway.

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	1,500,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	6,750,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	6,750,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$6,750,000	\$6,750,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	7,000,000	4,500,000	0	3,500,000
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	7,000,000	4,500,000	0	3,500,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	586,000	963,000	963,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$586,000	\$963,000	\$963,000

MOUNTAIN VIEW ROAD

Total Project Cost: \$2,500,000

Est. Opening Date: FY22

[Links to Board's Strategic Initiatives](#)

• Comprehensive Plan

PROGRAM DESCRIPTION

Two lane upgrade on Mountain View Road between Shelton Shop Road and Choptank Road

OPERATING IMPACT SUMMARY

Identified in the Transportation Plan. Upon completion, VDOT becomes the owner of the improvement.

PROJECT COSTS



Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	300,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	1,000,000	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	1,200,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$300,000	\$0	\$1,000,000	\$1,200,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	50,000	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	250,000	0	1,000,000	1,200,000	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	300,000	0	1,000,000	1,200,000	0	0	0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 654, BERA CHURCH ROAD IMPROVEMENTS

Total Project Cost: \$4,892,068

Est. Opening Date: FY2019

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point

PROGRAM DESCRIPTION

Reconstruction of Berea Church Road from Truslow Road to Warrenton Road using VDOT 3R standards. Improvements will include improved shoulders, drainage and wider lanes. Bicycle accommodations will also be included in this project.

OPERATING IMPACT SUMMARY

This is a safety improvement, upon completion this will become a part of the VDOT secondary system.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	480,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	300,000	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	4,112,068	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$480,000	\$300,000	\$4,112,068	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	302,147	0	0	0	0	0	0	0	0
S D Supported GO Del	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	1,110,966	0	0	0	0	0	0
Fuel Tax	0	0	0	87,853	945,068	0	0	0	0	0	0
Revenue Sharing	0	0	1,160,000	1,286,034	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,462,147	\$1,373,887	\$2,056,034	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

TECH CENTER DRIVE

Total Project Cost: \$2,600,000

Est. Opening Date: FY2015

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point

PROGRAM DESCRIPTION

Road Construction of a new entrance into Quantico Corporate Center, including improvements to the intersection with Telegraph Road.

OPERATING IMPACT SUMMARY

This is an Economic Development opportunity for the County.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,600,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	2,300,000	0	0	0	0	0	0	0	0	0
Proffers	0	25,000	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	275,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 654, BRENT POINT ROAD IMPROVEMENTS

Total Project Cost: \$2,450,000

Est. Opening Date: FY2018

Links to Board's Strategic Initiatives

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Reconstruction of all or portions of Arkendale and Brent point Roads to accommodate increased traffic volumes. This project will be administered by VDOT and will include spot improvements to sections of the road to widen the roads and improve the ditches.

OPERATING IMPACT SUMMARY

This is a safety improvement, upon completion this will become a part of the VDOT secondary system.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	200,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	250,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,000,000	1,000,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$1,250,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	100,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	100,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	2,250,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$2,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALMOUTH SAFETY & PARKING IMPROVEMENTS

Total Project Cost: \$857,000

Est. Opening Date: FY2017

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Transportation Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Redevelopment project in Falmouth to improve safety by constructing new sidewalks, on Gordon, King and West Cambridge Streets, new parking lots and a pedestrian overlook at the fall line of the Rappahannock River at the foot of West Cambridge Street. A pedestrian overlook will provide visitors with a visualization of why Falmouth was located where it is located. This project is recommended by the Falmouth Redevelopment Plan and it is consistent with the 2002 Falmouth Plan.



OPERATING IMPACT SUMMARY

All construction projects will take place on County-owned and maintained properties, or within existing VDOT right-of-way, no additional operating impacts are anticipated at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	625,000	0	0	0	0	0	0	0	0
Contingency	0	0	32,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$657,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	100,000	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	100,000	0	657,000	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$657,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

BOSWELL'S CORNER IMPROVEMENTS

Total Project Cost: \$932,000

Est. Opening Date: FY2024

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Transportation Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Redevelopment project in the Boswell's Corner Redevelopment Area to improve safety and vehicular circulation by creating a system of local grid streets. This project is recommended by the Boswell's Corner Redevelopment Plan. The Planning/Design phase of the project will identify the design and extent of the local street system needed to address future pedestrian and vehicular traffic demands and establish priorities for actual street construction.

OPERATING IMPACT SUMMARY

No operating impacts are expected for the County. Staff is working to secure grant funding for this entire project. VDOT is responsible for roadway operations and maintenance.

PROJECT COSTS



Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	50,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	332,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$332,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	50,000	332,000	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$332,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COURTHOUSE AREA IMPROVEMENTS

Total Project Cost: \$945,000

Est. Opening Date: FY2023

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Redevelopment project in the Courthouse Redevelopment Area to improve safety and vehicular circulation by creating a system of local grid streets. This project is recommended by the Courthouse Area Redevelopment Plan and it is consistent with the Courthouse Urban Development Area Plan. The Planning/Design phase of the project will identify the design and extent of the local street system needed to address future pedestrian and vehicular traffic demands and establish priorities for actual street construction.



OPERATING IMPACT SUMMARY

Upon completion, the road would be turned over to VDOT for operation and maintenance. Staff is working to secure grant funding for this entire project.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	120,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	105,000	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	720,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000	\$105,000	\$720,000	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	120,000	105,000	720,000	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000	\$105,000	\$720,000	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROUTE 1709, CAPITAL AVENUE EXTENDED

Total Project Cost: \$6,500,000

Est. Opening Date: FY2026

[Links to Board's Strategic Initiatives](#)

- Redevelopment Plan
- Comprehensive Plan
- Economic Development 10 Point Plan

PROGRAM DESCRIPTION

Extension of Capital Avenue from Powell Lane to Sanford Avenue for a parallel road to Route 17 to facilitate traffic to enhance local shopping and economic development.

OPERATING IMPACT SUMMARY

Upon completion of this project it will be transferred to VDOT for maintenance.

PROJECT COSTS



Cost Categories	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Future Years
Planning/Design	0	0	0	0	0	0	0	0	0	0	0	975,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0	1,300,000
Construction / Project	0	0	0	0	0	0	0	0	0	0	0	4,225,000
Contingency	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500,000

Funding Sources	Prior Year	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Future Funding
Bonds	0	0	0	0	0	0	0	0	0	0	0	6,500,000
Current Revenue	0	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Det	0	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,500,000

Operating Impacts	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	Future
Personnel	0	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



SCHOOLS SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Later Years Funding	Total Project Cost
New Construction	44,416,000	17,684,000	4,000,000	0	0	0	0	1,000,000	19,478,000	18,294,000	1,500,000	0	106,372,000
Renewal - Additions - Renovations	1,700,000	1,800,000	15,035,000	18,335,000	11,818,000	13,240,000	11,667,000	588,000	0	0	4,586,000	7,517,000	86,286,000
Support Facilities - New/Renovations	0	0	0	0	0	0	0	750,000	5,887,000	0	0	0	6,637,000
Capital Maintenance	0	10,247,000	7,100,000	8,651,000	10,111,000	9,752,000	10,095,000	9,600,000	10,060,000	9,650,000	9,645,000	0	94,911,000
Total	\$46,116,000	\$29,731,000	\$26,135,000	\$26,986,000	\$21,929,000	\$22,992,000	\$21,762,000	\$11,938,000	\$35,425,000	\$27,944,000	\$15,731,000	\$7,517,000	\$294,206,000

Funding Sources	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Construction Bond Funded Projects	41,797,000	19,484,000	18,535,000	18,335,000	11,818,000	13,240,000	11,667,000	2,338,000	23,529,000	18,294,000	6,086,000
Construction Cash Funded Projects	4,319,000	0	0	0	0	0	0	0	1,836,000	0	0
Total Construction Projects	\$46,116,000	\$19,484,000	\$18,535,000	\$18,335,000	\$11,818,000	\$13,240,000	\$11,667,000	\$2,338,000	\$25,365,000	\$18,294,000	\$6,086,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	1,550,000	500,000	0	0	0	0	0	0	0	0
Service Dist Supported GO Debt	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State Federal	0	0	700,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Infrastructure Bond Funded ¹	0	5,547,000	3,300,000	5,501,000	7,361,000	7,002,000	7,405,000	6,850,000	7,000,000	7,000,000	7,000,000
Reduction to Bond Funded Projects		(167,441)	(1,000,357)	(1,777,262)	(3,050,091)	(3,224,094)	(3,463,317)	(3,587,916)	(3,468,054)	(4,073,896)	(4,280,612)
Proposed Bond Funded		5,379,559	2,299,643	3,723,738	4,310,909	3,777,906	3,941,683	3,262,084	3,531,946	2,926,104	2,719,388
Infrastructure Cash Funded ¹		3,150,000	3,100,000	3,150,000	2,750,000	2,750,000	2,690,000	2,750,000	3,060,000	2,650,000	2,645,000
Increase to Cash Funded Projects		167,441	1,000,357	1,777,262	3,050,091	3,224,094	3,463,317	3,587,916	3,468,054	4,073,896	4,280,612
Proposed Cash Funded		3,317,441	4,100,357	4,927,262	5,800,091	5,974,094	6,153,317	6,337,916	6,528,054	6,723,896	6,925,612
Total School Projects	\$46,116,000	\$29,731,000	\$26,135,000	\$26,986,000	\$21,929,000	\$22,992,000	\$21,762,000	\$11,938,000	\$35,425,000	\$27,944,000	\$15,731,000

¹ The Board of Supervisor's Principles of High Performance Financial Management guideline states 3% of general government expenditures and 2% of the School's operating budget will be set aside for pay-as-you-go capital projects by 2018. School's proposed infrastructure was adjusted based on this guideline. Funding for cash infrastructure projects could come from proffers, interest earnings, positive results of operation and cash.

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	1,750,000	1,856,000	2,895,000	3,012,000	3,132,000	3,258,000	3,387,000	3,522,000	3,663,000
Operating	0	42,000	42,000	83,000	84,000	87,000	92,000	94,000	122,000	128,000
Debt Service	0	2,081,000	3,825,000	5,671,000	7,021,000	8,445,000	9,751,000	10,220,000	12,485,000	14,261,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$3,873,000	\$5,723,000	\$8,649,000	\$10,117,000	\$11,664,000	\$13,101,000	\$13,701,000	\$16,129,000	\$18,052,000

SCHOOLS SUMMARY - BOND FUNDED PROJECTS

Projects	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total Project Cost
Stafford High School	17,684,000	4,000,000	0	0	0	0	0	0	0	0	21,684,000
Moncure Elementary Rebuild	0	800,000	11,019,000	11,018,000	833,000	0	0	0	0	0	23,670,000
Ferry Farm Elementary Rebuild	0	0	0	800,000	12,407,000	11,667,000	588,000	0	0	0	25,462,000
Elementary #18 with Head Start	0	0	0	0	0	0	1,000,000	19,478,000	18,294,000	1,000,000	39,772,000
Brooke Point HS Addition	750,000	6,761,000	0	0	0	0	0	0	0	0	7,511,000
Mt. View HS Addition	300,000	450,000	7,316,000	0	0	0	0	0	0	0	8,066,000
Colonial Forge HS Addition	750,000	6,524,000	0	0	0	0	0	0	0	0	7,274,000
Hartwood Elementary Renovation	0	0	0	0	0	0	0	0	0	4,586,000	4,586,000
Middle School #9	0	0	0	0	0	0	0	0	0	500,000	500,000
Fleet Services	0	0	0	0	0	0	750,000	4,051,000	0	0	4,801,000
Infrastructure	5,379,559	2,299,643	3,723,738	4,310,909	3,777,906	3,941,683	3,262,084	3,531,946	2,926,104	2,719,388	35,872,959
Total	\$24,863,559	\$20,834,643	\$22,058,738	\$16,128,909	\$17,017,906	\$15,608,683	\$5,600,084	\$27,060,946	\$21,220,104	\$8,805,388	\$179,198,959

¹ The Board of Supervisor's Principles of High Performance Financial Management guideline states 3% of general government expenditures and 2% of the School's operating budget will be set aside for pay-as-you-go capital projects by 2018. School's proposed infrastructure was adjusted based on this guideline. Funding for cash infrastructure projects could come from proffers, interest earnings, positive results of operation and cash.

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	1,750,000	1,856,000	2,895,000	3,012,000	3,132,000	3,258,000	3,387,000	3,522,000	3,663,000
Operating	0	42,000	42,000	83,000	84,000	87,000	92,000	94,000	122,000	128,000
Debt Service	0	2,081,000	3,825,000	5,671,000	7,021,000	8,445,000	9,751,000	10,220,000	12,485,000	14,261,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$3,873,000	\$5,723,000	\$8,649,000	\$10,117,000	\$11,664,000	\$13,101,000	\$13,701,000	\$16,129,000	\$18,052,000

REBUILD STAFFORD HIGH SCHOOL

Total Project Cost: \$66,100,000

Est. Opening Date: 2015

PROGRAM DESCRIPTION

Construct a 2000 student secondary school (High School) for grades 9-12 to replace the existing Stafford High School. This project will include site improvements to the proposed school site, the construction of the school building, the development of the site, demolition of the existing school, all planning and design requirements, limited support furnishing, furniture, and equipment and all technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 2000 students and follow the Stafford County Public School High School Education Specification. The school will adhere to the Stafford County Public School Facility Design Standards. In order to open the school in September 2015, the following milestones must be achieved: Design must start no later than October 2011. Bid January 2013. School Construction and site development must start no later than April 2013 and high school building completed no later than May 2015. Remaining site work completed no later than December 2015.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	3,440,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	40,976,000	11,273,000	4,000,000	0	0	0	0	0	0	0	0
Hardware/Software	0	1,538,000	0	0	0	0	0	0	0	0	0
Equipment	0	2,185,000	0	0	0	0	0	0	0	0	0
Contingency	0	2,688,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$44,416,000	\$17,684,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	2,619,000	0	0	0	0	0	0	0	0	0	0
Bonds	41,797,000	17,684,000	4,000,000	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$44,416,000	\$17,684,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	1,480,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000	1,815,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,480,000	\$1,815,000	\$1,815,000	\$1,815,000	\$1,815,000	\$1,815,000	\$1,815,000	\$1,815,000	\$1,815,000

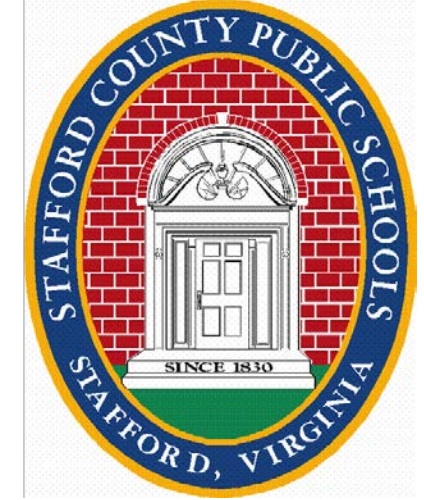
REBUILD MONCURE ELEMENTARY SCHOOL

Total Project Cost: \$25,370,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct a 950 student elementary school for grades K through 5 to replace the existing Moncure Elementary on a new site. The Moncure Elementary School will include the construction of the school building, the development of the site, all planning & design requirements, limited support furnishing, furniture & equipment and technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 950 students and follow the Stafford County Public Schools Elementary School Education Specification. The school will adhere to the Stafford County Public Schools Facility Design Standards. New location will be off of Juggins Road. In order to open the Moncure Elementary School Replacement in September 2018 the following milestones must be achieved: Design must start no later than January 2016 and be completed no later than November 2016. School & Site development must start March 2017 and be complete by May 2018. The existing Moncure ES and site is will be turned over to Stafford County per approved MOU.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	800,000	550,000	0	0	0	0	0	0	0
Property Acquisition	1,700,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	10,469,000	9,461,000	833,000	0	0	0	0	0
Hardware/Software	0	0	0	0	415,000	0	0	0	0	0	0
Equipment	0	0	0	0	519,000	0	0	0	0	0	0
Contingency	0	0	0	0	623,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,700,000	\$0	\$800,000	\$11,019,000	\$11,018,000	\$833,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	1,700,000	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	800,000	11,019,000	11,018,000	833,000	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,700,000	\$0	\$800,000	\$11,019,000	\$11,018,000	\$833,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	67,000	989,000	1,911,000	1,981,000	1,981,000	1,981,000	1,981,000	1,981,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$67,000	\$989,000	\$1,911,000	\$1,981,000	\$1,981,000	\$1,981,000	\$1,981,000	\$1,981,000

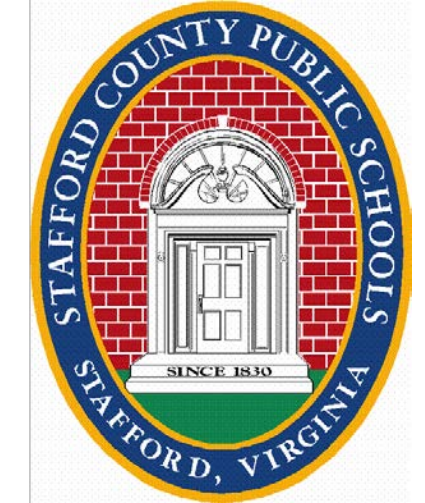
REBUILD FERRY FARM ELEMENTARY SCHOOL

Total Project Cost: \$25,462,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

Construct a 950 student elementary school rebuild for grades K through 5. A new elementary school will be needed to replace the existing Ferry Farm Elementary School. Ferry Farm Elementary School will include the construction of the school building, the development of the site, the demolition of the existing school and associated parking areas, all planning & design requirements, limited support furnishing, furniture and equipment and technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 950 students and follow the Stafford County Public School Elementary School Education Specification. The school will adhere to the Stafford County Public School Facility Design Standards. Site location is anticipated to be the current Ferry Farm Elementary school site. The new school will be sited in a manner as to allow the Division to keep the existing Ferry Farm Elementary School operational during construction of the new school. In order to open the new Ferry Farm Elementary School in September 2020, the following milestones must be achieved: Design must start no later than January 2018 and be completed no later than November 2018. School and site development must start March 2019 and building must be complete by May 2020. Site work will be completed by December 2020.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	800,000	639,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	11,768,000	9,785,000	588,000	0	0	0
Hardware/Software	0	0	0	0	0	0	664,000	0	0	0	0
Equipment	0	0	0	0	0	0	554,000	0	0	0	0
Contingency	0	0	0	0	0	0	664,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$800,000	\$12,407,000	\$11,667,000	\$588,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	800,000	12,407,000	11,667,000	588,000	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$800,000	\$12,407,000	\$11,667,000	\$588,000	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	67,000	1,105,000	2,081,000	2,130,000	2,130,000	2,130,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$67,000	\$1,105,000	\$2,081,000	\$2,130,000	\$2,130,000	\$2,130,000

ELEMENTARY SCHOOL #18 WITH HEAD START

Total Project Cost: \$39,772,000

Est. Opening Date: 2023

PROGRAM DESCRIPTION

Construct a 950 student elementary with a 350 student Head Start Facility. ES#18 will include the construction of the school building, development of the site, demolition of existing building, all support furnishing, furniture and equipment and technology infrastructure. Both schools will be built with classrooms and shared core facilities to accommodate 950 elementary students and 350 head start students and follow the SCPS Elementary Education Specifications. The school will adhere to SCPS Facility Design Standards. In order to open ES #18/Head Start in September 2023, the following milestones must be achieved. Design must be started by January 2021 and completed no later than November 2021. School & site development must start March 2022 and complete by May 2022. Demolition and site work will be complete by December 2023.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	1,000,000	1,477,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	18,001,000	14,266,000	1,000,000
Hardware/Software	0	0	0	0	0	0	0	0	0	1,343,000	0
Equipment	0	0	0	0	0	0	0	0	0	1,678,000	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	1,007,000	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$19,478,000	\$18,294,000	\$1,000,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	1,000,000	19,478,000	18,294,000	1,000,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$19,478,000	\$18,294,000	\$1,000,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	84,000	1,714,000	3,245,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$84,000	\$1,714,000	\$3,245,000

ADDITION - (CLASSROOM, PE & FINE ARTS) - BROOKE POINT HIGH SCHOOL

Total Project Cost: \$6,611,000

Est. Opening Date: 2016

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE, & Fine Arts additions and Culinary Arts area at Brooke Point High School. The addition will increase the student design capacity from 1800 students to 2000 students. Brooke Point additions will include nine (9) additional classrooms, an expanded wellness room, expanded Media Center into existing classroom, Culinary Arts Wing and addition of a third performing arts suite for orchestra. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	511,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	239,000	5,772,000	0	0	0	0	0	0	0	0
Hardware/Software	0	0	138,000	0	0	0	0	0	0	0	0
Equipment	0	0	198,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	653,000	0	0	0	0	0	0	0	0
Total	\$0	\$750,000	\$6,761,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	750,000	6,761,000	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Service Dist Supported GO Debt	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$750,000	\$6,761,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	892,000	928,000	965,000	1,004,000	1,044,000	1,086,000	1,129,000	1,174,000	1,221,000
Operating	0	15,000	15,000	16,000	16,000	17,000	18,000	18,000	19,000	20,000
Debt Service	0	63,000	629,000	629,000	629,000	629,000	629,000	629,000	629,000	629,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$970,000	\$1,572,000	\$1,610,000	\$1,649,000	\$1,690,000	\$1,733,000	\$1,776,000	\$1,822,000	\$1,870,000

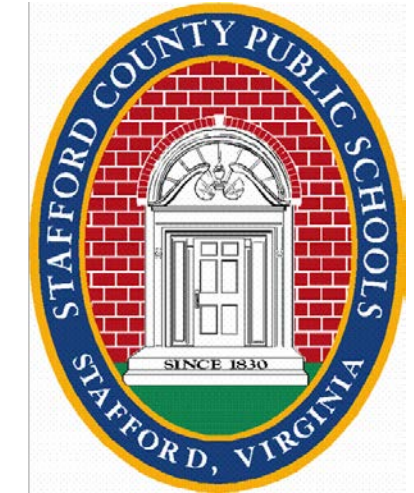
ADDITION - (CLASSROOM, PE, SECURITY VESTIBULE & FINE ARTS) - MOUNTAIN VIEW HIGH SCHOOL

Total Project Cost: \$8,066,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE, Fine Arts and security vestibule additions at Mountain View High School. The addition will increase the student design capacity from 1800 students to 2000 students. Mountain View additions will include 6 additional classrooms, expansion of the PE Department with two classrooms, an expanded wellness room, and the addition of a third fine arts suite for orchestra and drama classroom. There will also be the addition of a security vestibule at the Main Entrance. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

Operating impact includes funding for 13 new teachers and additional energy costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	300,000	333,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	117,000	6,210,000	0	0	0	0	0	0	0
Hardware/Software	0	0	0	171,000	0	0	0	0	0	0	0
Equipment	0	0	0	245,000	0	0	0	0	0	0	0
Contingency	0	0	0	690,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$300,000	\$450,000	\$7,316,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	300,000	450,000	7,316,000	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$300,000	\$450,000	\$7,316,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	965,000	1,004,000	1,044,000	1,086,000	1,129,000	1,174,000	1,221,000
Operating	0	0	0	39,000	39,000	40,000	42,000	43,000	45,000	47,000
Debt Service	0	25,000	63,000	675,000	675,000	675,000	675,000	675,000	675,000	675,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$25,000	\$63,000	\$1,679,000	\$1,718,000	\$1,759,000	\$1,803,000	\$1,847,000	\$1,894,000	\$1,943,000

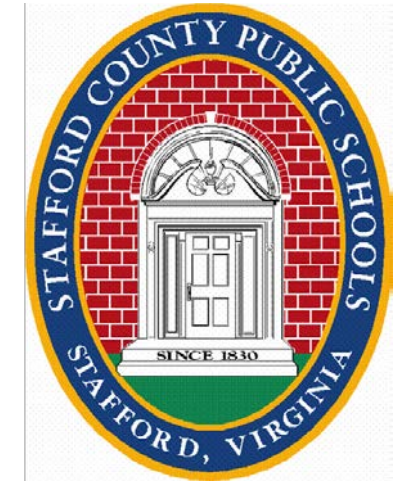
ADDITION - (CLASSROOM, PE, SECURITY VESTIBULE & FINE ARTS) - COLONIAL FORGE HIGH SCHOOL

Total Project Cost: \$7,774,000

Est. Opening Date: 2016

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE, Security Vestibule & Fine Arts additions at Colonial Forge High School. The addition will increase the student design capacity from 1800 students to 2000 students. Colonial Forge additions will include 6 additional classrooms, expansion of the PE Department with two classrooms, an expanded wellness room, and the addition of a third fine arts suite for orchestra and drama classroom. There will also be the addition of a security vestibule at the Main Entrance. The addition of classrooms in the PE Department and Fine Arts will free up additional space in the academic wing.



OPERATING IMPACT SUMMARY

Operating impact includes funding for 13 new teachers and additional energy costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	608,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	142,000	5,942,000	0	0	0	0	0	0	0	0
Hardware/Software	0	0	164,000	0	0	0	0	0	0	0	0
Equipment	0	0	236,000	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	682,000	0	0	0	0	0	0	0	0
Total	\$0	\$750,000	\$7,024,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	750,000	6,524,000	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	500,000	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$750,000	\$7,024,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	892,000	928,000	965,000	1,004,000	1,044,000	1,086,000	1,129,000	1,174,000	1,221,000
Operating	0	27,000	27,000	28,000	29,000	30,000	32,000	33,000	34,000	36,000
Debt Service	0	63,000	609,000	609,000	609,000	609,000	609,000	609,000	609,000	609,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$982,000	\$1,564,000	\$1,602,000	\$1,642,000	\$1,683,000	\$1,727,000	\$1,771,000	\$1,817,000	\$1,866,000

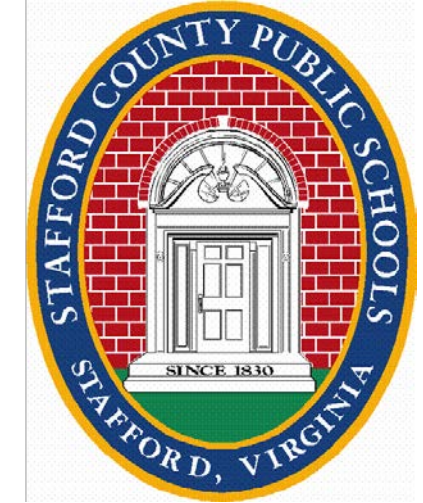
RENOVATION - HARTWOOD ELEMENTARY SCHOOL (2025 - 2026)

Total Project Cost: \$12,103,000

Est. Opening Date: 2026

PROGRAM DESCRIPTION

Level 2 Renovation of Hartwood ES will include an upgrade and modernization to the following: Life safety deficiencies, building codes to include fire suppression sprinkler system, HVAC system, electrical systems, architectural (finishes, doors, hardware, windows), ADA, plumbing, fire alarm system, data systems, PA system, Media Center expansion and lighting. *Assumes supporting County project to install water and sewer to the Hartwood area is completed by FY 2021. **Modular cost includes delivery, set up, and installation of ten (10) modular, site work, permits and systems set up. Modular to provide swing space to relocate students. Modular will be leased and included as part of the project.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	940,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	3,646,000
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,586,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	4,586,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,586,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MIDDLE SCHOOL #9

Total Project Cost: \$0

Est. Opening Date: TBD

[Links to Board's Strategic Initiatives](#)

PROGRAM DESCRIPTION

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OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	500,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	0
Hardware/Software	0	0	0	0	0	0	0	0	0	0	0
Equipment	0	0	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	500,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Service Dist Supported GO Debt	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ADDITION - (VEHICLE MAINTENANCE) FLEET SERVICES

Total Project Cost: \$6,637,000

Est. Opening Date: 2022

PROGRAM DESCRIPTION

Project provides for a new addition to Fleet Services Complex. The proposed addition will be added to the current Fleet Services Building. Addition will include 16,056 SF and include new service area, parts storage, administrative offices and 11,000 SF of heavy duty service area. Fuel Station relocation is scheduled to be completed prior to proposed project, however, demolition of existing fueling building will be included in this project. Project design would start in FY20 with Construction starting in FY 21.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	413,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	337,000	5,176,000	0	0
Hardware/Software	0	0	0	0	0	0	0	0	220,000	0	0
Equipment	0	0	0	0	0	0	0	0	276,000	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	215,000	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	1,836,000	0	0
Bonds	0	0	0	0	0	0	0	750,000	4,051,000	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	24,000	25,000
Debt Service	0	0	0	0	0	0	0	63,000	402,000	402,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,000	\$426,000	\$427,000

CAPITAL MAINTENANCE - INFRASTRUCTURE

Total Project Cost: \$94,911,000

Est. Opening Date: 2015 - 2024

PROGRAM DESCRIPTION

Improvements and upgrades to various schools, facilities, equipment and grounds to correct deficiencies in safety, security, maintenance and repair.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
School Site Improvements	0	4,610,000	3,550,000	3,651,000	6,150,000	5,280,000	2,740,000	2,390,000	5,960,000	1,690,000	3,710,000
Pavement	0	2,350,000	1,600,000	950,000	1,150,000	1,600,000	2,500,000	2,000,000	2,000,000	1,950,000	1,150,000
Environmental Upgrades	0	3,287,000	1,950,000	3,450,000	2,411,000	2,372,000	1,755,000	1,960,000	500,000	4,010,000	1,675,000
Roof Replace/Repair	0	0	0	600,000	400,000	500,000	3,100,000	3,250,000	1,600,000	2,000,000	3,110,000
Total	\$0	\$10,247,000	\$7,100,000	\$8,651,000	\$10,111,000	\$9,752,000	\$10,095,000	\$9,600,000	\$10,060,000	\$9,650,000	\$9,645,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	3,317,000	4,100,000	4,927,000	5,800,000	5,974,000	6,153,000	6,338,000	6,528,000	6,724,000	6,926,000
Bonds	0	5,380,000	2,300,000	3,724,000	4,311,000	3,778,000	3,942,000	3,262,000	3,532,000	2,926,000	2,719,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	1,550,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	700,000	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
In-Kind	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$10,247,000	\$7,100,000	\$8,651,000	\$10,111,000	\$9,752,000	\$10,095,000	\$9,600,000	\$10,060,000	\$9,650,000	\$9,645,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	450,000	642,000	954,000	1,315,000	1,631,000	1,961,000	2,234,000	2,530,000	2,775,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$450,000	\$642,000	\$954,000	\$1,315,000	\$1,631,000	\$1,961,000	\$2,234,000	\$2,530,000	\$2,775,000

CAPITAL MAINTENANCE - INFRASTRUCTURE

School Site Improvements

FY2015 Projects

	Project Amount	Funding Source
Repair Interior Finishes - HOES	\$900,000	Bond
Repair Lock Systems (Phase VI) - SMS, GMC, Support Services, AYBAC	\$500,000	Bond
Synthetic Turf Field - SHS	\$750,000	Proffer
Synthetic Turf Field - BPHS	\$800,000	Proffer
Install ARC Flash - All	\$150,000	Current Revenue
Install Attic Dry Fire Sprinkler System - HES	\$40,000	Current Revenue
Upgrade Fire Alarm Panel - SMS & GMC	\$360,000	Current Revenue
Install Remote Entry System A Phones - ALL (#1 by Principals)	\$160,000	Current Revenue
Install Int/Ext Door Signage - ALL (#2 by Principals)	\$40,000	Current Revenue
Repair Athletic Fields (Phase I) - AGWMS & DMS	\$150,000	Current Revenue
Upgrade Water and WW Facilities - HES	\$210,000	Current Revenue
Repair Stage Rigging & Curtains - Phase I	\$150,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$150,000	Current Revenue
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
FY2015 Total	\$4,610,000	

FY2016 Projects

	Project Amount	Funding Source
Repair Athletic Fields (Turf) - NSHS	\$1,200,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Upgrade Security Alarms - Various Locations	\$65,000	Current Revenue
Install ARC Flash - Phase II	\$100,000	Current Revenue
Repair Stage Rigging & Curtains - Phase II	\$150,000	Current Revenue
Install Blinds Int Doors/Windows - ALL	\$160,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$150,000	Current Revenue
Replace Storage Building - CFHS, HES, HOES, RES, RRES & BPHS (FH)	\$264,000	Current Revenue
Repair Phone Systems; VOIP Phase I - NSHS & WCES	\$100,000	Current Revenue
Repair Playground and Play Areas - WES & FES	\$170,000	Current Revenue
Repair Sound System - BPHS	\$45,000	Current Revenue
Repair Sound System - AGWMS	\$60,000	Current Revenue
Upgrade Electrical Swith Gear - Various Locations	\$150,000	Current Revenue
Repair Media Retrieval, Phone & PA System - WCES	\$200,000	Current Revenue
Repair Bathroom Partitions - HHPMS	\$102,000	Current Revenue
Replace Walk-In Freezer & Refrigerators - DMS & AGWMS/GES	\$100,000	Current Revenue
Install Scoreboards	\$15,000	Current Revenue
Repair Foundation (Waterproofing) - AYBAC	\$200,000	Current Revenue
Install Whiteboards - Multiple Locations	\$50,000	Current Revenue
Repair Bleacher Seating - MVHS	\$19,000	Current Revenue
FY2016 Total	\$3,550,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2017 Projects

Repair Interior Finishes - AGWMS/GES
Construct Storage Buildings - GMS, WCES, KWBES, & AYBAC
Upgrades CTE Labs
Repair Exterior (Paint) - Two (2) Schools
Install Additional Serving Line - HES
Repair Bathroom Floor - ABES
Replace Generator - RES
Repair Grounds - DSMS
Repair Field Drainage - MS & HS
Repair Phone Systems - HES, PRES & SMS - VOIP Phase II
Media Retrieval & PA Systems - PRES
Install Messaging Marquees - CES (Manual)
Install Scoreboards
Repair Playground and Play Areas - ES
Upgrade Fire Alarm Panel - HHPMS
Replace Generator - HHPMS
Replacement of CCTV Cameras - Various Schools

Project Amount

\$1,301,000
\$170,000
\$100,000
\$180,000
\$100,000
\$60,000
\$300,000
\$50,000
\$140,000
\$120,000
\$150,000
\$50,000
\$50,000
\$80,000
\$150,000
\$400,000
\$250,000

Funding Source

Bond
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue

FY2017 Total

\$3,651,000

FY2018 Projects

Repair Interior & Exterior Finishes - NSHS
Repair Gym Floor & Bleachers - AGWMS
Repair Gym Floor & Bleachers - NSHS
Repair Interior & Exterior Finishes - RES
Replacement of CCTV Cameras - Various Schools
Upgrade Fire Alarm Panel - AGWMS/GES
Repair Field Drainage - MS & HS
Repair Stage Rigging & Curtains - Phase III
Repair Exterior (Paint) - Two (2) schools
Construct Storage Buildings - ABES & DSMS
Install Divider Wall - BPHS, NSHS & HHPMS
Repair Phone Systems - VOIP Phase III

Project Amount

\$2,000,000
\$800,000
\$950,000
\$900,000
\$250,000
\$250,000
\$200,000
\$200,000
\$200,000
\$100,000
\$160,000
\$140,000

Funding Source

Bond
Bond
Bond
Bond
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue

FY2018 Total

\$6,150,000

FY2019 Projects

Repair Interior Finishes - BPHS
Repair Interior & Exterior Finishes - HHPMS
Repair Exterior Envelope - HOES
Replacement of CCTV Cameras - Various Schools
Repair Phone Systems - VOIP Phase IV
Repair Athletic Fields Phase II - HHPMS, AGWMS & RTMS
Repair Exterior (Paint) - Two (2) Schools
Install Messaging Marquees - CFHS (Electronic)
Install Messaging Marquees - DSMS (Electronic)
Install Messaging Marquees - AGWMS/GES/RES (Manual)
Replace Generator - Maintenance Complex
Construct MS Blachers - DSMS
Replace Media Retrieval & PA Systems- KWBES
Replace Media Retrieval & PA Systems- RRES
Repair Playground & Play Area - ES

Project Amount

\$1,650,000
\$1,200,000
\$500,000
\$250,000
\$140,000
\$300,000
\$220,000
\$100,000
\$100,000
\$50,000
\$150,000
\$300,000
\$120,000
\$120,000
\$80,000

Funding Source

Bond
Bond
Bond
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue
Current Revenue

FY2019 Total

\$5,280,000

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2020 Projects

	Project Amount	Funding Source
Repair Exterior Envelope - WES	\$650,000	Bond
Repair Interior & Exterior Finishes - PRES	\$1,000,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Replace Media Retrieval & PA Systems - GMS	\$150,000	Current Revenue
Replace Media Retrieval & PA Systems - CFHS	\$170,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	<u>\$240,000</u>	Current Revenue
FY2020 Total	\$2,740,000	

FY2021 Projects

	Project Amount	Funding Source
Replace Generator - SMS	\$550,000	Bond
Energy Performace Program Phase III	\$600,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Replace Media Retrieval & PA Systems - HOES & NSHS	\$300,000	Current Revenue
Repair Phone Systems - VOIP Phase V	\$150,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$260,000	Current Revenue
Repair Playground & Play Area	<u>\$80,000</u>	Current Revenue
FY2021 Total	\$2,390,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Athletic Fields (Turf) & Outbuildings - CFHS	\$1,400,000	Bond
Repair Stormwater Mgmt (DAM) - SHS	\$1,500,000	Bond
Repair Interior Finishes - SMS	\$1,000,000	Bond
Repair Interior Finishes - RTMS	\$1,000,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$280,000	Current Revenue
Repair Field Drainage - MS & HS	\$250,000	Current Revenue
Repair Playground & Play Area ES	<u>\$80,000</u>	Current Revenue
FY2022 Total	\$5,960,000	

FY2023 Projects

	Project Amount	Funding Source
Repair Athletic Fields - BPHS	\$500,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$260,000	Current Revenue
Replace Generators	<u>\$400,000</u>	Current Revenue
FY2023 Total	\$1,690,000	

FY2024 Projects

	Project Amount	Funding Source
Repair Interior Finishes - WCES	\$1,000,000	Bond
Repair Athletic Fields (Turf) - MVHS	\$1,500,000	Bond
Replacement of CCTV Cameras - Various Schools	\$250,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Playground & Play Area - ES	\$85,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replace Generators	<u>\$400,000</u>	Current Revenue
FY2024 Total	\$3,710,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Pavement

FY2015 Projects

	Project Amount	Funding Source
Repair Pavement HES	\$600,000	Bond
Repair Pavement - HOES	\$600,000	Bond
Repair Track - BPHS	\$500,000	Bond
Repair Tennis Courts (Overlay) - NSHS	\$100,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2015 Total	\$2,350,000	

FY2016 Projects

	Project Amount	Funding Source
Repair Track - CFHS	\$500,000	Bond
Realign Parking Lot - CFHS	\$700,000	State/Federal
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2016 Total	\$1,600,000	

FY2017 Projects

	Project Amount	Funding Source
Construct Bus Parking - Phase I (WCES)	\$500,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2017 Total	\$950,000	

FY2018 Projects

	Project Amount	Funding Source
Expand and Repair Track - SHS	\$600,000	Bond
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2018 Total	\$1,150,000	

FY2019 Projects

	Project Amount	Funding Source
Repair Pavement - AYBAC	\$500,000	Bond
Repair Pavement - HHPMS	\$600,000	Bond
Repair Tennis Courts - CFHS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2019 Total	\$1,600,000	

FY2020 Projects

	Project Amount	Funding Source
Repair Pavement - RES	\$500,000	Bond
Repair Pavement - PRES	\$500,000	Bond
Repair Track - MVHS	\$500,000	Bond
Construct Bus Parking - Phase II (MVHS)	\$500,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tennis Courts - MVHS	<u>\$100,000</u>	Current Revenue
FY2020 Total	\$2,500,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2021 Projects

	Project Amount	Funding Source
Repair Pavement - WCES	\$500,000	Bond
Repair Pavement - WES	\$500,000	Bond
Repair Pavement - NSHS (Student Lot)	\$500,000	Bond
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2021 Total	\$2,000,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Pavement - RRES	\$750,000	Bond
Repair Pavement - SMS	\$600,000	Bond
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$500,000</u>	Current Revenue
FY2022 Total	\$2,000,000	

FY2023 Projects

	Project Amount	Funding Source
Repair Pavement - CFHS	\$800,000	Bond
Repair Pavement - RTMS	\$600,000	Bond
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2023 Total	\$1,950,000	

FY2024 Projects

	Project Amount	Funding Source
Repair Pavement - GMS	\$600,000	Bond
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2024 Total	\$1,150,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Environmental Upgrades

FY2015 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - RES	\$1,400,000	Bond
Repair Mechanical Systems - AGWMS/GES	\$1,047,000	Bond
Upgrade HVAC Building Automation System - SMS & RRES	\$125,000	Current Revenue
Repair Plumbing Ventilation - RTMS	\$300,000	Current Revenue
Upgrade HVAC (Boardroom) - AYBAC	\$250,000	Current Revenue
Replace CTE Dust Collection System - NSHS	<u>\$165,000</u>	Current Revenue
FY2015 Total	\$3,287,000	

FY2016 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - BPHS	\$1,600,000	Bond
Replace CTE Dust Collection System - SMS, AGWMS, BPHS	\$300,000	Current Revenue
Replace Package Units - FLEET	<u>\$50,000</u>	Current Revenue
FY2016 Total	\$1,950,000	

FY2017 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - HHPMS	\$3,100,000	Bond
Repair Mechanical Systems - Various	<u>\$350,000</u>	Current Revenue
FY2017 Total	\$3,450,000	

FY2018 Projects

	Project Amount	Funding Source
Replace Boilers - BPHS	\$650,000	Bond
Repair Mechanical Systems - PRES	\$1,461,000	Bond
Repair Mechanical Systems - Various	<u>\$300,000</u>	Current Revenue
FY2018 Total	\$2,411,000	

FY2019 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - RTMS	\$1,102,000	Bond
Repair Mechanical Systems - WCES	\$950,000	Bond
Repair Mechanical Systems - Various	<u>\$320,000</u>	Current Revenue
FY2019 Total	\$2,372,000	

FY2020 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - SMS	\$1,255,000	Bond
Repair Mechanical Systems - Various	<u>\$500,000</u>	Current Revenue
FY2020 Total	\$1,755,000	

FY2021 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - RRES	\$1,350,000	Bond
Repair Mechanical Systems - Various	\$410,000	Current Revenue
Replace CTE Dust Collection Systems-Variou	<u>\$200,000</u>	Current Revenue
FY2021 Total	\$1,960,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Mechanical Systems -Various	<u>\$500,000</u>	Current Revenue
FY2022 Total	\$500,000	

FY2023 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - NSHS	\$950,000	Bond
Repair Mechanical Systems - GMS	\$1,650,000	Bond
Install Kitchen A/C - AGW/GES	\$500,000	Bond
Install Kitchen A/C - NSHS	\$500,000	Bond
Repair Mechanical Systems -Various	<u>\$410,000</u>	Current Revenue
FY2023 Total	\$4,010,000	

FY2024 Projects

	Project Amount	Funding Source
Repair Mechanical Systems - KWBES	\$1,200,000	Bond
Repair Mechanical Systems -Various	<u>\$475,000</u>	Current Revenue
FY2024 Total	\$1,675,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Roofs			
FY2015 Projects		Project Amount	Funding Source
	FY2015 Total	\$0	
FY2016 Projects		Project Amount	Funding Source
	FY2016 Total	\$0	
FY2017 Projects		Project Amount	Funding Source
Replace Roof - HES Area D & E Outbuilding (SS)		<u>\$600,000</u>	Bond
	FY2017 Total	\$600,000	
FY2018 Projects		Project Amount	Funding Source
Replace Roof - WES (Area B SS)		<u>\$400,000</u>	Current Revenue
	FY2018 Total	\$400,000	
FY2019 Projects		Project Amount	Funding Source
Replace Roof - RES (Area A SS)		<u>\$500,000</u>	Bond
	FY2019 Total	\$500,000	
FY2020 Projects		Project Amount	Funding Source
Replace Roof - CFHS (Area A, B, & D-All outbuildings SS)		\$2,500,000	Bond
Replace Roof - FES (SS)		\$300,000	Current Revenue
Replace Roof - SES (Area E & Outbuildings SS)		<u>\$300,000</u>	Current Revenue
	FY2020 Total	\$3,100,000	
FY2021 Projects		Project Amount	Funding Source
Replace Roof - GMC (Areas C, D, E, F, G, H, M, N, O, P, Q) *		\$850,000	Bond
Replace Roof - WCES (Area A, B, C, & D) SS		\$2,000,000	Bond
Repair Roof - Various		<u>\$400,000</u>	Current Revenue
	FY2021 Total	\$3,250,000	
FY2022 Projects		Project Amount	Funding Source
Repair Roof - AYBAC		\$750,000	Bond
Replace Roof - PRES (SS)		\$350,000	Current Revenue
Repair Roof - Various		<u>\$500,000</u>	Current Revenue
	FY2022 Total	\$1,600,000	
FY2023 Projects		Project Amount	Funding Source
Replace Roof - HOES (All areas BUR & SS)		\$1,500,000	Bond
Repair Roof - Various		<u>\$500,000</u>	Current Revenue
	FY2023 Total	\$2,000,000	
FY2024 Projects		Project Amount	Funding Source
Replace Roof - RTMS (All areas)		\$1,800,000	Bond
Replace Roof - BPHS - Outbuildings (SS)		\$900,000	Bond
Repair Roof - Various		<u>\$410,000</u>	Current Revenue
	FY2024 Total	\$3,110,000	
	FY2015-2024 Total	\$94,911,000	



WHAT'S NEW IN UTILITIES?

The FY2015 - FY2024 CIP builds on the previously approved Capital Improvement Program. Many of the projects in this CIP were included in earlier plans. This year's plan includes the following new projects.

New Projects

- Water Extension Projects - short extension projects to assist homeowners with well problems (quantity and/or quality of the water) - \$2.584M over 10 years
- Sewer Extension Projects - short extension projects to assist homeowners with septic system drainfield problems - \$2.584M over 10 years
- Smith Lake Water Treatment Facility Filter Replacements - new underdrain systems, filter media, etc. to enhance filter performance - \$1.5M total for FY16-17
- Radio-Read Water Meter Conversion - five year program to complete conversion of all water meters to radio-read meters to enhance meter reading and data storage capabilities - \$4.479M over FY16-20
- Wayside Sewer Interceptor Replacement - replacement of 3,017 feet of existing undersized 10" sewer main with new 18" along the Route 1 Wayside between Austin Run south to Allatoona Lane to accommodate growing commercial and residential demands in central Stafford - \$2.923M in FY19-20
- Centerport Area Water Tank - new 1 million gallon tank to serve the new 370N water pressure zone to enhance fire suppression capabilities and increase water pressure. In addition, along with the new Courthouse Area Water Tank, there will be two water tanks serving the area which will allow one to be taken out of service for maintenance if necessary - \$3.608M in FY23-24
- 370N Water Booster Pump Station - new 2.0 million gallons per day water pump station to move water from the 342 pressure zone to the new 370N pressure zone - \$1.091M over FY23-24
- 320 Zone Water System Improvements - replacement of an existing 8" line along Route 3 from Cool Springs Road to Ferry Road with 1,540 feet of 12" line to improve fire flows and water service - \$0.330M in FY24



UTILITIES ALL PROJECTS

Projects	Prior Funding	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total CIP (FY15-24)	Later Years Funding	Total Project cost
Water Projects	\$266,000	\$3,927,000	\$15,104,000	\$6,570,000	\$1,397,000	\$4,518,000	\$1,648,000	\$589,000	\$2,074,000	\$19,924,000	\$8,856,000	\$64,607,000	\$0	\$64,873,000
Wastewater Projects	2,134,000	10,666,000	4,491,000	2,460,000	7,192,000	13,186,000	8,623,000	8,684,000	2,683,000	17,722,000	1,658,000	77,365,000	0	79,499,000
Both Water/Wastewater	1,745,000	2,974,000	350,000	350,000	350,000	350,000	350,000	350,000	773,000	6,834,000	350,000	13,031,000	0	14,776,000
Total	\$4,145,000	\$17,567,000	\$19,945,000	\$9,380,000	\$8,939,000	\$18,054,000	\$10,621,000	\$9,623,000	\$5,530,000	\$44,480,000	\$10,864,000	\$155,003,000	\$0	\$159,148,000

Operating Impacts Summary	Existing Debt Service	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total Debt Service
Debt Service	\$6,070,000	\$1,326,000	\$729,000	\$1,469,000	\$0	\$0	\$1,127,000	\$0	\$0	\$2,000,000	\$0	
Total	\$6,070,000	\$7,396,000	\$8,125,000	\$9,594,000	\$9,594,000	\$9,594,000	\$10,721,000	\$10,721,000	\$10,721,000	\$12,721,000	\$12,721,000	\$12,721,000

Project Funding	Prior Funding	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total CIP (FY15-24)	Later Years Funding	Total Project Cost
Bond Funded Projects	\$166,000	\$12,095,000	\$14,857,000	\$4,073,000	\$0	\$11,300,000	\$7,480,000	\$4,282,000	\$0	\$30,000,000	\$0	\$84,087,000	\$0	\$84,253,000
Availability Funded Projects	0	523,000	2,791,000	2,249,000	484,000	504,000	524,000	546,000	2,813,000	4,955,000	616,000	16,005,000	0	16,005,000
ProRata Funded Projects	442,000	762,500	346,500	709,000	3,389,000	2,267,000	265,500	1,889,500	632,500	887,000	2,870,500	14,019,000	0	14,461,000
Operations	3,537,000	4,186,500	1,950,500	2,349,000	5,066,000	3,983,000	2,351,500	2,905,500	2,084,500	8,638,000	7,377,500	40,892,000	0	44,429,000
Total	\$4,145,000	\$17,567,000	\$19,945,000	\$9,380,000	\$8,939,000	\$18,054,000	\$10,621,000	\$9,623,000	\$5,530,000	\$44,480,000	\$10,864,000	\$155,003,000	\$0	\$159,148,000
Beginning Fund Equity	\$0	\$36,026,000	\$36,242,916	\$34,150,124	\$29,362,377	\$29,134,451	\$24,535,594	\$26,705,798	\$23,857,358	\$26,733,017	\$19,548,249			
Ending Fund Equity	\$0	\$36,243,000	\$34,150,124	\$29,362,377	\$29,134,451	\$24,535,594	\$26,705,798	\$23,857,358	\$26,733,017	\$19,548,249	\$16,920,383			



UTILITIES WATER PROJECTS

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total CIP (FY15-24)	Later Years Funding	Total Project Cost
320 Zone Water Improvements											330,000	330,000	0	330,000
342 Zone Water System Imp. - Phase 1		859,000	12,641,000									13,500,000	0	13,500,000
342 Zone Water System Imp. - Phase 2			318,000	4,682,000								5,000,000	0	5,000,000
370N Water Booster Pump Station										66,000	1,025,000	1,091,000	0	1,091,000
Rocky Pen Run WTF Upgrade/Expansion									1,227,000	18,773,000		20,000,000	0	20,000,000
Centreport Water Tank										222,000	3,386,000	3,608,000	0	3,608,000
Courthouse Area Water Tank	166,000	2,536,000										2,536,000	0	2,702,000
Moncure Water Booster Pump Station					105,000	1,609,000						1,714,000	0	1,714,000
Radio-Read Meters Program			800,000	832,000	865,000	900,000	1,082,000					4,479,000	0	4,479,000
Regional Water Interconnection										225,000	3,451,000	3,676,000	0	3,676,000
Small Water Projects		220,000	234,000			546,000			234,000			1,234,000	0	1,234,000
Smith Lake Distribution PS Upgrade					73,000	1,095,000						1,168,000	0	1,168,000
Smith Lake WTF Filter Replacements			784,000	716,000								1,500,000	0	1,500,000
Water Distribution System Rehab Program	100,000	100,000	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	2,187,000	0	2,287,000
Water Extension Projects		212,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	2,584,000	0	2,584,000
Total	\$266,000	\$3,927,000	\$15,104,000	\$6,570,000	\$1,397,000	\$4,518,000	\$1,648,000	\$589,000	\$2,074,000	\$19,924,000	\$8,856,000	\$64,607,000	\$0	\$64,873,000

COURTHOUSE AREA WATER TANK

Total Project Cost: \$2,702,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

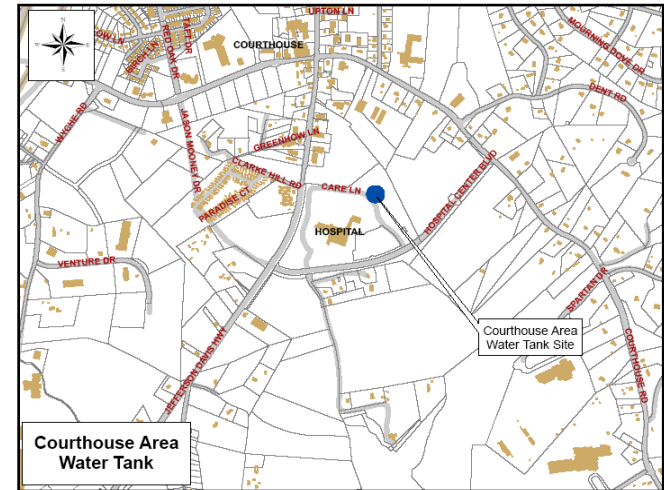
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construction of a 1.0 million gallon elevated water tank in the Courthouse area near the new hospital to meet increasing water service and fire flow requirements. (433-100) This project will allow the creation of the 370N water pressure zone and, in conjunction with the installation of pressure reducing valves on Mountain View Road and Ramoth Church Road, provide adequate fire flow in the central portion of the county.

OPERATING IMPACT SUMMARY

Provides adequate capacity to meet increasing water service and fire flow requirements as well as increased water pressure in the Courthouse area including the new Courthouse Urban Development Area. Water and Sewer Revenue Bond proceeds will be used to fund a portion of this project.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	166,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,392,000	0	0	0	0	0	0	0	0	0
Contingency	0	144,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$166,000	\$2,536,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	166,000	2,500,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	18,000	0	0	0	0	0	0	0	0	0
User Fees	0	18,000	0	0	0	0	0	0	0	0	0
Total	\$166,000	\$2,536,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	153,479	153,479	153,479	153,479	153,479	153,479	153,479	153,479	153,479
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$153,479	\$153,479	\$153,479	\$153,479	\$153,479	\$153,479	\$153,479	\$153,479	\$153,479

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASES 1 & 2

Total Project Cost: \$18,500,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

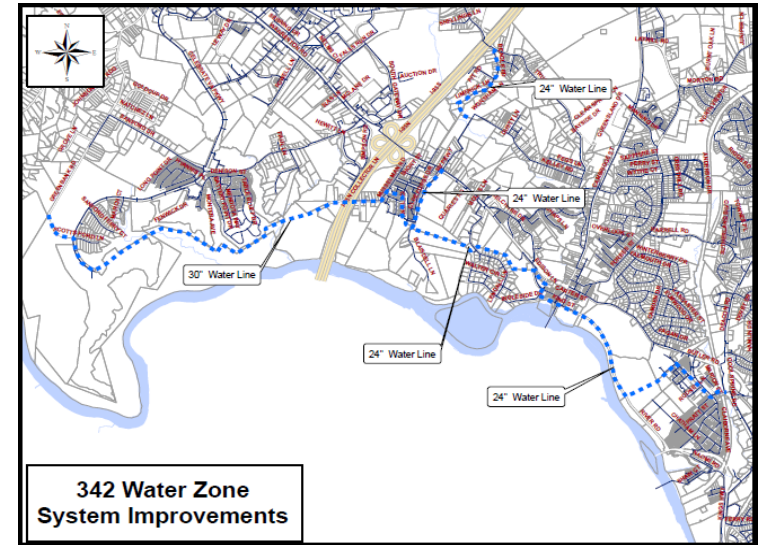
The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Rocky Pen Run WTF as well as replacement of older undersized water lines in the 342 water pressure zone to facilitate the transfer of water into the water distribution system. The project consists of 3 phases; phase3 was started in FY14.

Phase 1 - construction of 15,300 feet of 24-inch water line to the east from Olde Forge Drive along Warrenton Road and Butler Road to Cool Spring Road and along Beagle Road, south of Truslow Road

Phase 2 - 17,600 feet of 30-inch water line from the intersection of Sanford Drive and Greenbank Road to the intersection of Olde Forge Drive and Warrenton Road

OPERATING IMPACT SUMMARY

These improvements are critical to get water from the new Rocky Pen Run WTF into the distribution system as well as to provide adequate piping to transfer water as needed throughout the pressure zone. The project will be partially funded with water and sewer revenue bonds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	859,000	318,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	12,273,000	4,546,000	0	0	0	0	0	0	0
Contingency	0	0	368,000	136,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$859,000	\$12,959,000	\$4,682,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	12,500,000	4,073,000	0	0	0	0	0	0	0
ProRata Fees	0	429,500	229,500	304,500	0	0	0	0	0	0	0
User Fees	0	429,500	229,500	304,500	0	0	0	0	0	0	0
Total	\$0	\$859,000	\$12,959,000	\$4,682,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	767,394	1,017,442	1,017,442	1,017,442	1,017,442	1,017,442	1,017,442	1,017,442
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$767,394	\$1,017,442	\$1,017,442	\$1,017,442	\$1,017,442	\$1,017,442	\$1,017,442	\$1,017,442

Small Water Projects

Total Project Cost: \$1,234,000

Est. Opening Date: Various

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

1. Washington Gardens Water Line - construction of 800 feet of 12" water line to connect the 12" main on Cambridge Street to the 12" main on Lightning Maple Lane at an estimated cost of \$234,000 - FY22
 2. 370/310 Zone Pressure Reducing Valves - installation of pressure reducing valve vaults to provide for transfer of water from the 370N water pressure zone to the 310 water pressure zone as needed at an estimated cost of \$546,000 - FY19
 3. Heritage Oaks Water Line - \$117,000 in FY16
 4. King George's Grant Water Loop - \$117,000 in FY16
 5. VDOT Project - Garrisonville Rd. at Onville Rd. - \$220,000 in FY15
- These projects improve fire suppression flows and provide additional water transmission capacity.



OPERATING IMPACT SUMMARY

There are no operation costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	15,000	0	0	33,000	0	0	15,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	189,000	212,000	0	0	499,000	0	0	213,000	0	0
Contingency	0	31,000	7,000	0	0	14,000	0	0	6,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$220,000	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	110,000	117,000	0	0	273,000	0	0	117,000	0	0
User Fees	0	110,000	117,000	0	0	273,000	0	0	117,000	0	0
Total	\$0	\$220,000	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WATER DISTRIBUTION SYSTEM REHABILITATION PROGRAM

Total Project Cost: \$2,187,000

Est. Opening Date: Ongoing Program

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of deteriorating, corroded and under-sized water mains to avoid pipe failures, minimize water quality complaints and enhance the ability to move water where it is needed in a timely manner. Also, installation of additional valves and fire hydrants to minimize the number of customers affected by water breaks and improve fire suppression capabilities. Will maintain water distribution system reliability and enhance fire suppression capabilities. Improvements will avoid pipe failures and subsequent interruptions in service to our customers as well as minimize water quality complaints.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	100,000	100,000	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$100,000	\$100,000	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	100,000	100,000	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000
Total	\$100,000	\$100,000	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Water Extension Projects

Total Project Cost: \$2,584,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Short Water Extension Projects, Neighborhood Projects, and Large Scale Projects that qualify for the extension of water service under the County's Water & Sewer Line Extension Policy (R10-217). These projects also provides a solution for residents with wells who may be experiencing problems with well water quantities or quality.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	12,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	200,000	208,000	216,000	225,000	234,000	243,000	253,000	263,000	274,000	285,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$212,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	212,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000
Total	\$0	\$212,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MONCURE WATER BOOSTER PUMP STATION

Total Project Cost: \$1,714,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Upgrade of water booster pump station to meet increased water demands in the 433 and 472 water pressure zones which serve the northern part of the county as well as the Camp Barrett area of Quantico. Upgrade will provide additional pumping capacity and pump redundancy to maintain our ability to meet increased water demands.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	105,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	1,562,000	0	0	0	0	0
Contingency	0	0	0	0	0	47,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	52,500	804,500	0	0	0	0	0
User Fees	0	0	0	0	52,500	804,500	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMITH LAKE WATER TREATMENT FACILITY FILTER REPLACEMENTS

Total Project Cost: \$1,500,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replacement of Greenleaf filters. The existing filters are 22 years old, and need to be replaced to maintain filtration performance. Replacement of the existing filters should result in increased run times and reduced backwash water needs.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	104,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	680,000	671,000	0	0	0	0	0	0	0
Contingency	0	0	0	45,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$784,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	784,000	716,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$784,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Smith Lake Distribution Pump Station Upgrade

Total Project Cost: \$1,168,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Upgrades to the Smith Lake Distribution Pump Station are needed due to age and also due to the need to increase the pumping capacity from 13 million gallons per day (mgd) to 15 mgd. This pump station pumps all of the water produced at the Smith Lake Water Treatment Facility out into the water distribution system. The upgrade of this water pump station is critical to maintaining our ability to meet water demand, even on peak usage days.



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	73,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	1,063,000	0	0	0	0	0
Contingency	0	0	0	0	0	32,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	36,500	547,500	0	0	0	0	0
User Fees	0	0	0	0	36,500	547,500	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

ROCKY PEN RUN WTF UPGRADE AND EXPANSION

Total Project Cost: \$20,000,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

• Water and Sewer Master Plan

PROGRAM DESCRIPTION

This project will expand the Rocky Pen Run Water Treatment Facility by constructing an addition to the process building to house additional Super Pulsator Filters and other equipment. Also, additional filter modules will be added to increase the water production capacity to 15 or 20 million gallons per day. Prior to proceeding with this project, a more current analysis will be made to determine whether expansion of Rocky Pen Run or replacement of the Abel Lake Water Treatment Facility is the better course of action given the circumstances at the time. Project will provide additional water treatment capacity necessary to continue to meet average and peak day water demands.



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	1,227,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	18,226,000	0
Contingency	0	0	0	0	0	0	0	0	0	547,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,227,000	\$18,773,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	15,000,000	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	1,227,000	3,773,000	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,227,000	\$18,773,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	920,873
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$920,873

370N Water Booster Pump Station

Total Project Cost: \$1,091,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construction of a 2.0 million gallons per day water pump station near Mountain View Road and Centreport Parkway to move water from the 342 water pressure zone to the 370N water pressure zone. The Water & Sewer Master Plan recommends the construction of a new water booster pump station after completion of the Rocky Pen Run Water Treatment Facility to move water into the 370N water pressure zone. (Project 370N-201)

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	66,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	995,000
Contingency	0	0	0	0	0	0	0	0	0	0	30,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000	\$1,025,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	33,000	512,500
User Fees	0	0	0	0	0	0	0	0	0	33,000	512,500
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000	\$1,025,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Centreport Water Tank

Total Project Cost: \$3,608,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

New 1 million gallon water storage tank to be located in the Centreport area to serve the 370N water pressure zone. Along with the new Courthouse Area Water Tank, this will provide two tanks serving the 370N water pressure zone. This will provide additional fire suppression capabilities and increased water pressure in the area around the Stafford Regional Airport and Centreport. In addition, the new tank will provide a second water storage facility for the 370N water pressure zone which will allow one tank to be taken out of service for maintenance or painting without affecting the reliability of the water distribution system.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	222,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	3,287,000
Contingency	0	0	0	0	0	0	0	0	0	0	99,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222,000	\$3,386,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	111,000	1,693,000
User Fees	0	0	0	0	0	0	0	0	0	111,000	1,693,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$222,000	\$3,386,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

REGIONAL WATER INTERCONNECTION

Total Project Cost: \$3,676,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

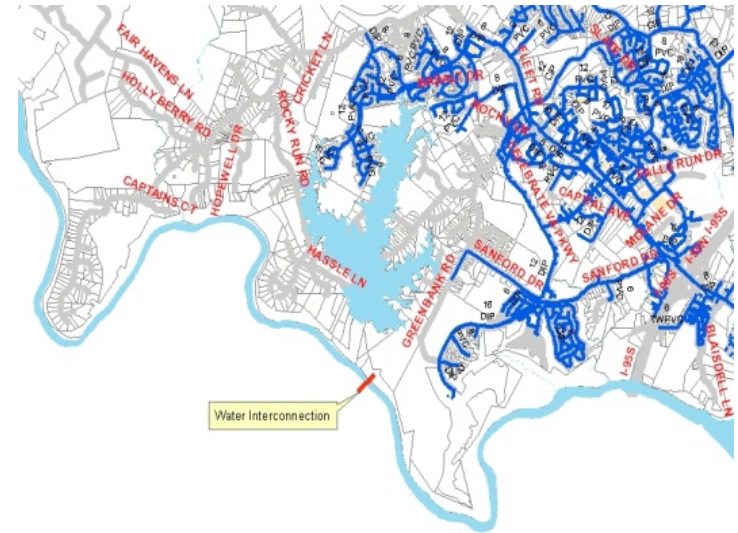
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Emergency water interconnection with Spotsylvania County in the vicinity of the Rocky Pen Run Water Treatment Facility and the Motts Run Water Treatment Facility. This will enable the transfer of treated water from one locality to the other at up to 5 to 10 mgd. Stafford and Spotsylvania are expected to each cover 40% of the total project cost, and Fredericksburg is expected to cover the remaining 20% of the cost. This CIP project is for Stafford's 40% of the total cost. The project will greatly increase our capability to transfer treated water to or from Spotsylvania on an emergency basis and will enhance the reliability of each locality's water distribution system. We are currently limited to a transfer capacity of approximately 1.5 mgd through the existing Chatham and Falmouth interconnections with the City of Fredericksburg.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	225,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	3,350,000
Contingency	0	0	0	0	0	0	0	0	0	0	101,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	225,000	3,451,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

320 Zone Water Improvements

Total Project Cost: \$330,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of 1,540 feet of 8" water line with a 12" line. The Water & Sewer Master Plan recommends replacing the existing 8" line along Route 3 from Cool Spring Road to Ferry Road with a 12" line to improve fire flows and water service.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	23,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	298,000
Contingency	0	0	0	0	0	0	0	0	0	0	9,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	165,000
User Fees	0	0	0	0	0	0	0	0	0	0	165,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

RADIO READ METERS

Total Project Cost: \$4,479,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Planned replacement of existing meters with radio-read meters to improve capabilities, reduce manpower required to read meters, and prepare for implementation of 100% radio-read capability.

OPERATING IMPACT SUMMARY

This program will avoid the cost of hiring additional meter readers, allow for better monitoring of customer water usage and notification of unusual consumption occurrences, provide data necessary to better forecast customer water usage patterns, and prepare for future implementation of 100% radio-read system.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	800,000	832,000	865,000	900,000	936,000	0	0	0	0
Contingency	0	0	0	0	0	0	146,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$800,000	\$832,000	\$865,000	\$900,000	\$1,082,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	800,000	832,000	865,000	900,000	1,082,000	0	0	0	0
Total	\$0	\$0	\$800,000	\$832,000	\$865,000	\$900,000	\$1,082,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





UTILITIES WASTEWATER

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total CIP (FY15-24)	Later Years Funding	Total Project Cost
Claiborne Run Gravity Sewer Replacement	800,000	2,200,000										2,200,000	0	3,000,000
Claiborne Run PS Parallel Force Main				381,000	5,833,000							6,214,000	0	6,214,000
Claiborne Run Pump Station Replacement					405,000	6,195,000						6,600,000	0	6,600,000
Country Ridge Pump Station Replacement	200,000								31,000	486,000		517,000	0	717,000
Ebenezer Church Pump Station Replacement	84,000	650,000										650,000	0	734,000
Equipment Replacement - Aquia WWTF		55,000	910,000	1,069,000								2,034,000	0	2,034,000
Equipment Replacement - Little Falls Run WWTF		43,000	651,000									694,000	0	694,000
Falls Run PS Force Main Replacement		154,000	2,357,000									2,511,000	0	2,511,000
Falls Run Pump Station Replacement							280,000	4,282,000				4,562,000	0	4,562,000
Falls Run Sewer Interceptor Replacement - Phase 2		1,500,000			362,000	5,549,000						7,411,000	0	7,411,000
Austin Run Gravity Sewer Replacement						314,000	4,806,000					5,120,000	0	5,120,000
Little Falls Run WWTF - 3rd Treatment Train									1,018,000	15,590,000		16,608,000	0	16,608,000
Oaks of Stafford Pump Station Replacement		520,000										520,000	0	520,000
Potomac Creek Pump Station & Force Main Replacement							181,000	2,779,000				2,960,000	0	2,960,000
Route 1 North Sewer		4,200,000										4,200,000	0	4,200,000
Sewer Extension Projects		213,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	2,585,000	0	2,585,000
Small Sewer Projects		256,000		428,000		347,000						1,031,000	0	1,031,000
Sweetbriar Woods Pump Station Force Main Replacement		525,000										525,000	0	525,000
Wastewater Collection System Rehabilitation Projects	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000	0	1,400,000
Wastewater Pump Station Rehabilitation Program	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	0	3,150,000
Wastewater Pump Station Replacements								1,000,000	1,000,000	1,000,000	1,000,000	4,000,000	0	4,000,000
Wayside Sewer Interceptor Replacement						179,000	2,744,000					2,923,000	0	2,923,000
Total	\$2,134,000	\$10,666,000	\$4,491,000	\$2,460,000	\$7,192,000	\$13,186,000	\$8,623,000	\$8,684,000	\$2,683,000	\$17,722,000	\$1,658,000	\$77,365,000	\$0	\$79,499,000

CLAIBORNE RUN GRAVITY SEWER INTERCEPTOR REPLACEMENT

Total Project Cost: \$3,000,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replace 6,200 feet to the existing Claiborne Run Gravity Sewer Interceptor with 42" pipe. The Claiborne Run gravity sewer was installed in the 1970s using asbestos cement pipe. This material has since been found to deteriorate in the presence of hydrogen sulfide - a common constituent in wastewater. Consequently, large sections of this sewer line have deteriorated to the point of imminent failure. This, combined with the expansion of the southern part of the Urban Service Area, make it imperative to replace this sewer with a larger pipe and modern materials. A 10-foot section of the existing sewer interceptor washed out during the recent hurricane and tropical storm. As repairs were made, severe deterioration of the upper crown portion of the interior of the pipe was noted - most likely due to hydrogen sulfide corrosion of the asbestos cement pipe. This needs to be addressed in the very near future to avoid future failures, sewage spillages, and potential fines. Three to four million gallons of sewage pass through this sewer interceptor on an average day. During the recent wash-out, over 12 million gallons of flow was pumped to the Little Falls Run WWTF - mostly the result of water from Claiborne Run entering the sewer interceptor at the point of the wash-out. This caused extremely difficult challenges for the operating staff at the WWTF.

OPERATING IMPACT SUMMARY

The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	800,000	2,075,000	0	0	0	0	0	0	0	0	0
Contingency	0	125,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$800,000	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	2,200,000	0	0	0	0	0	0	0	0	0
ProRata Fees	400,000	0	0	0	0	0	0	0	0	0	0
User Fees	400,000	0	0	0	0	0	0	0	0	0	0
Total	\$800,000	\$2,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	169,128	169,128	169,128	169,128	169,128	169,128	169,128	169,128	169,128
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$169,128	\$169,128	\$169,128	\$169,128	\$169,128	\$169,128	\$169,128	\$169,128	\$169,128

EBENEZER CHURCH PUMP STATION REPLACEMENT

Total Project Cost: \$734,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replace the Ebenezer Church Pump Station. The station has deteriorated; the mechanical equipment is worn and in need of replacement. This project will replace aging infrastructure with new equipment and enhance the reliability of the wastewater collection system in this area. Failure to address these issues will increase the likelihood of equipment failures, sewage overflows, and potential fines associated with the overflows.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	84,000	613,000	0	0	0	0	0	0	0	0	0
Contingency	0	37,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$84,000	\$650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	650,000	0	0	0	0	0	0	0	0	0
ProRata Fees	42,000	0	0	0	0	0	0	0	0	0	0
User Fees	42,000	0	0	0	0	0	0	0	0	0	0
Total	\$84,000	\$650,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	49,969	49,969	49,969	49,969	49,969	49,969	49,969	49,969	49,969
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$49,969	\$49,969	\$49,969	\$49,969	\$49,969	\$49,969	\$49,969	\$49,969	\$49,969

EQUIPMENT REPLACEMENT - AQUIA WASTEWATER TREATMENT FACILITY

Total Project Cost: \$2,034,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replacement of sludge dewatering centrifuges will maintain the reliability of the wastewater treatment facility.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	55,000	70,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	816,000	1,038,000	0	0	0	0	0	0	0
Contingency	0	0	24,000	31,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$55,000	\$910,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	55,000	910,000	1,069,000	0	0	0	0	0	0	0
Total	\$0	\$55,000	\$910,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

EQUIPMENT REPLACEMENT - LITTLE FALLS RUN WWTF

Total Project Cost: \$694,000

Est. Opening Date: 2016

Links to Board's Strategic Initiatives

• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replacement centrifuge for dewatering biosolids. This will replace aging infrastructure and maintain our capability to dewater biosolids to accommodate the treatment needs as well as reduce transportation costs for biosolids land application.



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	43,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	632,000	0	0	0	0	0	0	0	0
Contingency	0	0	19,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$43,000	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	43,000	651,000	0	0	0	0	0	0	0	0
Total	\$0	\$43,000	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FALLS RUN PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$2,511,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of the Falls Run Pump Station Force Main. The existing 16-inch force main would be replaced with 9,841 feet of 30" pipe at \$180 per foot. The increase in the size of the force main, which will reduce friction losses through the pipe, will provide additional capacity needed to accommodate flows from the Southern Gateway Urban Development Area, the Falmouth Redevelopment Area as well as future development to the west of Stafford Lakes. This project will convey increased wastewater volumes from the Warrenton Road corridor to the Claiborne Run Pump Station and ultimately to the Little Falls Run Wastewater Treatment Facility.

OPERATING IMPACT SUMMARY

The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	154,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,288,000	0	0	0	0	0	0	0	0
Contingency	0	0	69,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$154,000	\$2,357,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	2,357,000	0	0	0	0	0	0	0	0
ProRata Fees	0	77,000	0	0	0	0	0	0	0	0	0
User Fees	0	77,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$154,000	\$2,357,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	181,197	181,197	181,197	181,197	181,197	181,197	181,197	181,197
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197

OAKS OF STAFFORD PUMP STATION REPLACEMENT

Total Project Cost: \$520,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives
• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Design and construction of a replacement for the Oaks of Stafford Pump station. The equipment and concrete structure of this pump station have reached the end of their useful lives. Furthermore, flows projected for this area are expected to exceed the capacity of this station. This project will replace aging infrastructure with new equipment and enhance the reliability of the wastewater collection system in this area. Failure to address these issues will increase the likelihood of

OPERATING IMPACT SUMMARY

There will be no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	33,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	473,000	0	0	0	0	0	0	0	0	0
Contingency	0	14,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$520,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	520,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$520,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	39,976	39,976	39,976	39,976	39,976	39,976	39,976	39,976	39,976
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$39,976	\$39,976	\$39,976	\$39,976	\$39,976	\$39,976	\$39,976	\$39,976	\$39,976

ROUTE 1 NORTH SEWER

Total Project Cost: \$4,200,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

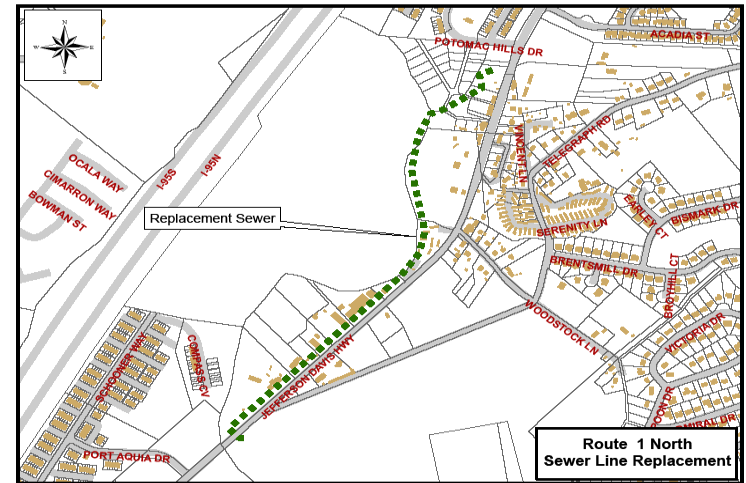
• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replace 5,300 feet of existing undersized asbestos cement sewer with 18" or larger pipe made of modern materials. The Water and Sewer Master Plan recommends replacing 5,300 feet of existing undersized sewer to meet projected build out flows from commercial development adjacent to the Quantico Marine Corps Base. Additional flows are anticipated from the Boswell's Corner Redevelopment Area.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	4,078,000	0	0	0	0	0	0	0	0	0
Contingency	0	122,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$4,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	4,200,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$4,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	322,880	322,880	322,880	322,880	322,880	322,880	322,880	322,880	322,880
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$322,880	\$322,880	\$322,880	\$322,880	\$322,880	\$322,880	\$322,880	\$322,880	\$322,880

Sewer Extension Projects

Total Project Cost: \$2,585,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

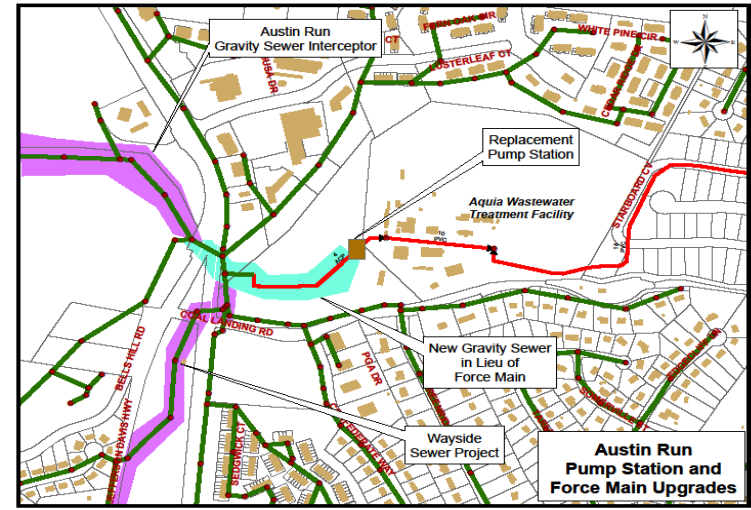
• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Short Sewer Extension Projects, Neighborhood Projects, and Large Scale Projects that qualify for the extension of sewer service under the County's Water & Sewer Line Extension Policy (R10-217). This project could offer a solution for residents with on-site septic systems who may be experiencing drainfield problems.

OPERATING IMPACT SUMMARY

There no operating costs associated with this project at this time



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	13,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	200,000	208,000	216,000	225,000	234,000	243,000	253,000	263,000	274,000	285,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$213,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	213,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000
Total	\$0	\$213,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMALL SEWER PROJECTS

Total Project Cost: \$1,031,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives
 • Water and Sewer Master Plan
 • Utilities Fiscal Plan

PROGRAM DESCRIPTION

These projects will take advantage of VDOT initiatives to minimize project costs and reduce future impacts on the roads.

1. Onville Road/Garrisonville Road VDOT Project - relocation of 2,000 feet of 10" force main upgraded to 18" and replacement of 1,250 feet of gravity sewer with 18" gravity sewer at a cost of \$256,000 in FY15
2. Bosun Cove / Brentsmill Sewer - gravity sewer line that will eliminate one pump station in Aquia Harbour - \$178,000 in FY17
3. Denrich / Brentsmill Sewer - gravity sewer line that will eliminate pump station adjacent to Widewater Elementary School - \$250,000 in FY17
4. Claiborne Run Interceptor - Replacement of 650 feet of Gravity Sewer in the upper reach of the Claiborne Run Sewer Interceptor - larger pipe needed to accommodate growth - \$347,000 in FY19



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	16,000	0	27,000	0	23,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	233,000	0	389,000	0	315,000	0	0	0	0	0
Contingency	0	7,000	0	12,000	0	9,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$256,000	\$0	\$428,000	\$0	\$347,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	128,000	0	214,000	0	173,500	0	0	0	0	0
User Fees	0	128,000	0	214,000	0	173,500	0	0	0	0	0
Total	\$0	\$256,000	\$0	\$428,000	\$0	\$347,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SWEETBRIAR WOODS PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$525,000

Est. Opening Date: 2015

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replace the Sweetbriar Woods Pump Station force main and some gravity sewer. The station has experienced sewage overflows in the past. Replacing the force main will decrease the friction in the pipe and increase the pumping capacity of the station. Upgrading this force main to a larger diameter pipe will increase the pumping capacity of the pump station without actually replacing the pumps and will reduce the likelihood of sewage overflows due to lack of pumping capacity at the pump station.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	33,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	463,000	0	0	0	0	0	0	0	0	0
Contingency	0	29,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$525,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	525,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$525,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	40,360	40,360	40,360	40,360	40,360	40,360	40,360	40,360	40,360
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$40,360	\$40,360	\$40,360	\$40,360	\$40,360	\$40,360	\$40,360	\$40,360	\$40,360

WASTEWATER COLLECTION SYSTEM REHABILITATION PROJECTS

Total Project Cost: \$1,400,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Ongoing rehabilitation program for the County's 415 miles of gravity sewers, 55 miles of pump station force mains, and 14 miles of low pressure sewer lines. Program systematically provides upgrades to reduce the amount of inflow of surface water and infiltration of groundwater into the sanitary sewer system. The program also seeks to identify and replace deteriorated conditions before catastrophic failures can occur. Reductions in inflow and infiltration can reduce the current treatment capacities needed at the two wastewater treatment facilities and provide additional capacity for growth without requiring upgrades to the wastewater collection and/or treatment systems.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	400,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Total	\$400,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REHABILITATION PROGRAM

Total Project Cost: \$3,150,000

Est. Opening Date: Ongoing

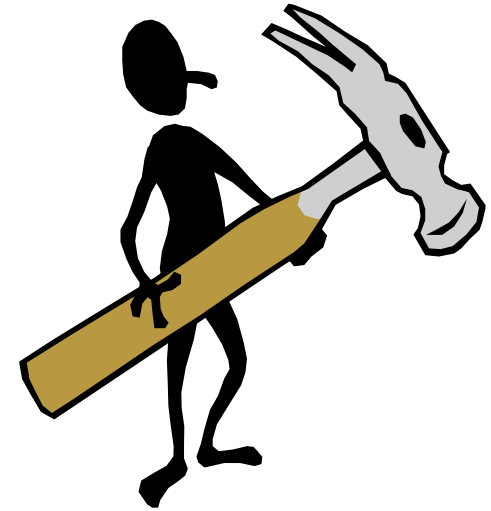
Links to Board's Strategic Initiatives
• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Ongoing rehabilitation program for the County's 89 wastewater pump stations. Program systematically upgrades all outdated pumping stations with modern mechanical, electrical and control equipment. This program reinforces the County's efforts to minimize the chances for sewage overflows or spillages due to failure of one of its pump stations. Redundant equipment is installed to provide additional reliability and alarms are maintained to provide notice of an impending problem in order that it can be corrected prior to any overflow or spillage of sewage. This program will enhance the reliability and extend the life of our wastewater pump stations to lessen the chance of system failures and potential overflows.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$650,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	650,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$650,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

WASTEWATER PUMP STATION REPLACEMENTS

Total Project Cost: \$4,000,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This program will identify and replace wastewater pump stations based on condition and/or capacity issues to prevent the likelihood of pump station failures, sewage overflows, etc. Each year the stations in need of replacement will be prioritized and addressed as funding is available. A number of the wastewater pump stations have exceeded their expected useful lives due to rehabilitation performed by our mechanics. However, this is not sustainable, and these stations will soon need to be replaced due to condition and/or capacity issues. Failure to address these issues in a timely manner will result in mechanical failures, sewage overflows, and potential fines from the regulatory agencies.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	1,000,000	1,000,000	1,000,000	1,000,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	500,000	500,000	500,000	500,000
User Fees	0	0	0	0	0	0	0	500,000	500,000	500,000	500,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION PARALLEL FORCE MAIN

Total Project Cost: \$6,214,000

Est. Opening Date: 2018

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construction of 35,600 feet of new parallel 24-inch force main at a cost of \$150 per foot. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping capacity to convey higher wastewater volumes from the southern part of the County to the Little Falls Run Wastewater Treatment Facility. This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. The additional force main is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county.

OPERATING IMPACT SUMMARY

The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	381,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	5,663,000	0	0	0	0	0	0
Contingency	0	0	0	0	170,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	190,500	2,916,500	0	0	0	0	0	0
User Fees	0	0	0	190,500	2,916,500	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CLAIBORNE RUN PUMP STATION REPLACEMENT

Total Project Cost: \$6,600,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of existing 8.1 MGD pump station with a new 30 MGD pump station. Original pump station was constructed in 1978 and is nearing end of its useful life. Additional capacity needed to accommodate flows from Southern Gateway and Falmouth Redevelopment Areas as well as Urban Development Areas in southern Stafford. Provides additional wastewater pumping capacity to convey higher wastewater volumes from the southern part of the county to the Little Falls Run Wastewater Treatment Facility. All of the wastewater generated in south Stafford passes through this pump station on its way to the Little Falls Run Wastewater Treatment Facility. This pump station pumps all of the flow from south Stafford to the Little Falls Run Wastewater Treatment Facility. This project is necessary to provide additional capacity needed to handle increased flows expected from the urban development and redevelopment areas in the southern part of the county.

OPERATING IMPACT SUMMARY

This project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	405,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	6,015,000	0	0	0	0	0
Contingency	0	0	0	0	0	180,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	6,000,000	0	0	0	0	0
ProRata Fees	0	0	0	0	202,500	97,500	0	0	0	0	0
User Fees	0	0	0	0	202,500	97,500	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	461,257	461,257	461,257	461,257	461,257
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$461,257	\$461,257	\$461,257	\$461,257	\$461,257

FALLS RUN SEWER INTERCEPTOR REPLACEMENT - PHASE 2

Total Project Cost: \$7,411,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

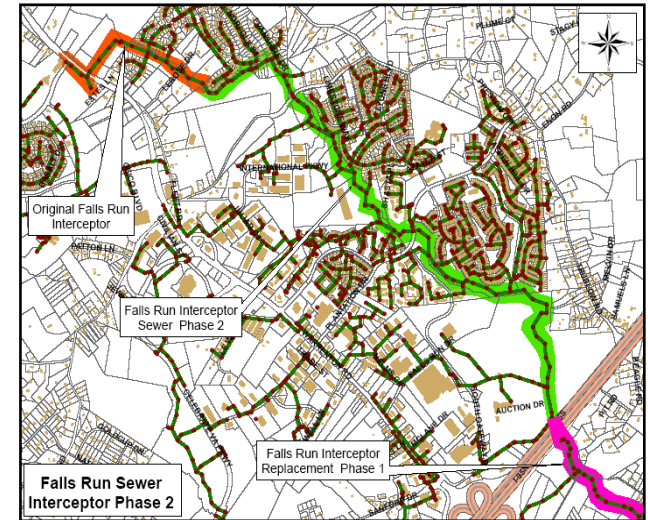
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Project includes corrective work and upgrades to the sewer interceptor under I-95 in FY15 and replacement of 13,100 linear feet of 12" and 15" gravity sewer main along Falls Run with 24" pipe from the terminus of the 30" main near Stanstead Road near I-95 to the vicinity of Pennsbury Court in Cardinal Forest. The existing sewer interceptor was constructed in the 1970s of materials susceptible to hydrogen sulfide damage, a constituent commonly found in sewer systems. Changes in stream alignment have left some sections of the existing sewer interceptor exposed and/or subject to wash-out from high stream flow events. Upgrade will provide additional capacity for flows from the Southern Gateway Redevelopment Area. This project will provide additional capacity for future development west of I-95 and will also substantially reduce the likelihood of pipe failure and subsequent pollution of Falls Run.

OPERATING IMPACT SUMMARY

The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	362,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,500,000	0	0	0	5,387,000	0	0	0	0	0
Contingency	0	0	0	0	0	162,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,500,000	\$0	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,500,000	0	0	0	5,000,000	0	0	0	0	0
ProRata Fees	0	0	0	0	181,000	274,500	0	0	0	0	0
User Fees	0	0	0	0	181,000	274,500	0	0	0	0	0
Total	\$0	\$1,500,000	\$0	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	115,314	115,314	115,314	115,314	499,695	499,695	499,695	499,695	499,695
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$115,314	\$115,314	\$115,314	\$115,314	\$499,695	\$499,695	\$499,695	\$499,695	\$499,695

AUSTIN RUN GRAVITY SEWER REPLACEMENT

Total Project Cost: \$5,120,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

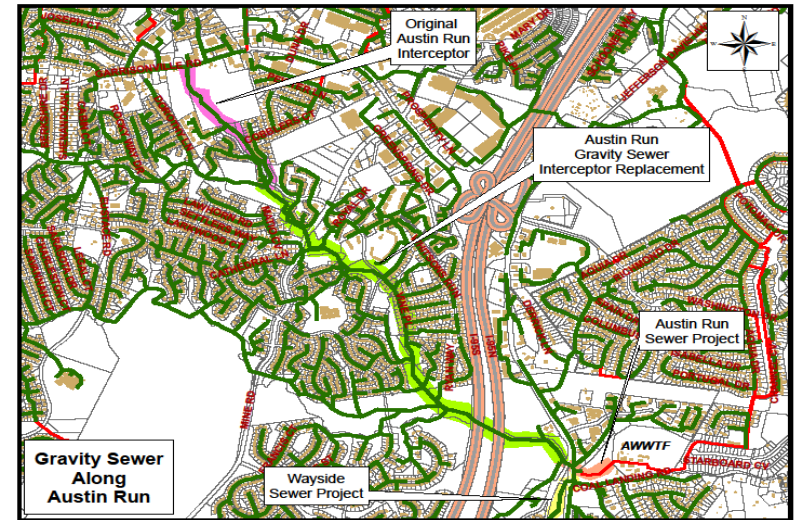
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replace 3,550 feet of existing asbestos cement sewer pipe with 36" diameter sewer adjacent to Austin Run. (General Sewer Improvement Plan Project A-18). The Water and Sewer Master Plan recommends replacing this section of aging pipe operating near capacity with new pipe of modern materials and sized for buildout conditions to reduce chances of failure and meet expected commercial and residential demands from the service area along Route 610. The upgrade is also needed to accommodate increased flows expected from the Camp Barrett area of Quantico.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	314,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	4,666,000	0	0	0	0
Contingency	0	0	0	0	0	0	140,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	300,000	4,700,000	0	0	0	0
ProRata Fees	0	0	0	0	0	7,000	53,000	0	0	0	0
User Fees	0	0	0	0	0	7,000	53,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	23,063	384,381	384,381	384,381	384,381
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$23,063	\$384,381	\$384,381	\$384,381	\$384,381

Wayside Sewer Interceptor Replacement

Total Project Cost: \$2,923,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of 3,017 feet of existing undersized 10" asbestos cement sewer line. The Water & Sewer Master Plan recommends replacing the existing 10" line with a new 18" diameter line along the wayside between Austin Run south to Allatoona Lane to accommodate growing commercial demands in the central Stafford area (Project A-14)+C83



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	179,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	2,664,000	0	0	0	0
Contingency	0	0	0	0	0	0	80,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	2,500,000	0	0	0	0
ProRata Fees	0	0	0	0	0	89,500	122,000	0	0	0	0
User Fees	0	0	0	0	0	89,500	122,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	192,190	192,190	192,190	192,190
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$192,190	\$192,190	\$192,190	\$192,190

FALLS RUN PUMP STATION REPLACEMENT

Total Project Cost: \$4,562,000

Est. Opening Date: 2021

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Current pump station is rated at 9.4 MGD. Replacement station would be rated at 15.5 MGD. Additional capacity will be needed to accommodate flows from the Southern Gateway and Falmouth Redevelopment Areas. This project will convey increased wastewater volumes from the Warrenton Road corridor to the Claiborne Run Pump Station and ultimately to the Little Falls Run Wastewater Treatment Facility.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	280,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	4,157,000	0	0	0
Contingency	0	0	0	0	0	0	0	125,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	280,000	4,282,000	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	21,525	350,709	350,709	350,709
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$21,525	\$350,709	\$350,709	\$350,709

POTOMAC CREEK PUMP STATION & FORCE MAIN REPLACEMENT

Total Project Cost: \$2,960,000

Est. Opening Date: 2021

Links to Board's Strategic Initiatives

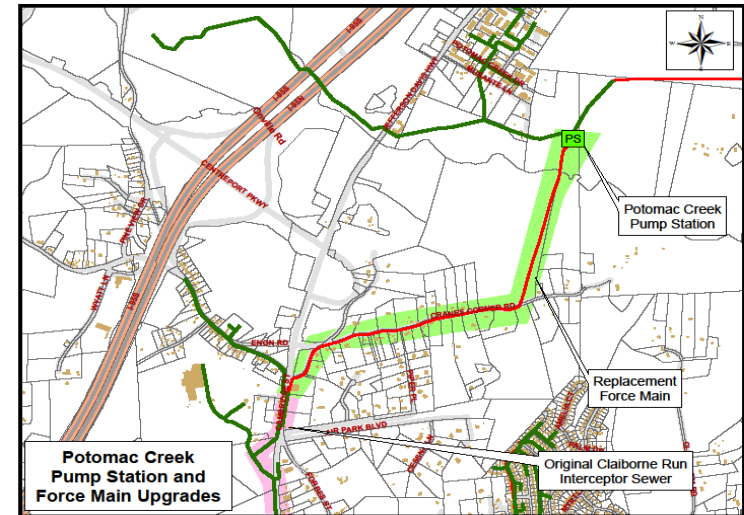
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of the existing pumping station with a new 4.34 million gallon per day station and replacement of the existing force main with 16" force main. (General Sewer Improvement Projects LFR-129 and LFR-226) The Water and Sewer Master Plan recommends increasing the capacity of the existing facilities to handle buildout flows.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	181,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	2,698,000	0	0	0
Contingency	0	0	0	0	0	0	0	81,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$181,000	\$2,779,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	90,500	1,389,500	0	0	0
User Fees	0	0	0	0	0	0	90,500	1,389,500	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$181,000	\$2,779,000	\$0	\$0	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

COUNTRY RIDGE PUMP STATION REPLACEMENT

Total Project Cost: \$717,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of existing pump station due to condition and capacity issues. Project will include providing better access to the pump station as well as additional landscaping to minimize the station's impact on the surrounding community.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	31,000	0	0
Property Acquisition	200,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	472,000	0
Contingency	0	0	0	0	0	0	0	0	0	14,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	15,500	243,000	0
User Fees	200,000	0	0	0	0	0	0	0	15,500	243,000	0
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

LITTLE FALLS RUN WWTF - THIRD TREATMENT TRAIN

Total Project Cost: \$16,608,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Upgrade and expand facility to provide a firm 8 mgd capacity - the ability to treat up to 8 million gallons per day with one entire treatment train out of service. Denitrification tanks will be constructed to meet nutrient discharge limits at higher flow rates. With the addition of additional aeration capacity, the facility can potentially be increased to a capacity of 10 mgd like the Aquia WWTF. Construction will run from FY2022 to FY2024 with additional cost of \$5,008,000 projected for FY2024.



OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.

PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	1,018,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	15,136,000	0
Contingency	0	0	0	0	0	0	0	0	0	454,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	15,000,000	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	1,018,000	590,000	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	1,153,142
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,153,142





UTILITIES OTHER

Projects	Prior Funding	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total CIP (FY15-24)	Later Years Funding	Total Project Cost
Contingency	0	2,500,000										2,500,000	0	2,500,000
Software Upgrade	95,000	48,000										48,000	0	143,000
Stafford County Complex	1,250,000								423,000	6,484,000		6,907,000	0	8,157,000
Vehicles & Equipment Replacements	400,000	426,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,576,000	0	3,976,000
Total	\$1,745,000	\$2,974,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$773,000	\$6,834,000	\$350,000	\$13,031,000	\$0	\$14,776,000

VEHICLES AND EQUIPMENT REPLACEMENTS

Total Project Cost: \$3,976,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Replacement of vehicles and major pieces of equipment due to high mileage, excess repair and maintenance costs, or condition issues.

OPERATING IMPACT SUMMARY

There are no operating costs associated with this project at this time.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	400,000	426,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$400,000	\$426,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	400,000	426,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Total	\$400,000	\$426,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

STAFFORD COUNTY COMPLEX

Total Project Cost: \$8,157,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives
• Water and Sewer Master Plan

PROGRAM DESCRIPTION

Funding is included in the planning period to evaluate and potentially construct facilities on land owned by the County near the regional jail for use by Fire & Rescue, Parks and Recreation and the Department of Utilities. For the Department of Utilities, the need would be for additional area to store pipe and other materials and enhance our ability to make bulk purchases and achieve cost savings. Space is also needed to provide indoor storage for the vac trucks to prevent freezing issues in cold weather. In addition, centralized office space is needed to consolidate operations and eliminate the need to lease office space.

OPERATING IMPACT SUMMARY

Cost savings will include the cost to lease office space plus additional cost savings derived from the ability to make larger quantity purchases of pipe and other repair and maintenance supplies at reduced unit prices.



PROJECT COSTS

Cost Categories	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Planning/Design	0	0	0	0	0	0	0	0	423,000	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	1,250,000	0	0	0	0	0	0	0	0	6,295,000	0
Contingency	0	0	0	0	0	0	0	0	0	189,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0

Funding Sources	Prior Year	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	1,250,000	0	0	0	0	0	0	0	423,000	6,484,000	0
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0

Operating Impacts	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	(199,580)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$199,580)





DEBT MANAGEMENT

Stafford's primary objective in debt management is to keep the level of indebtedness within available resources. Stafford is presently meeting this objective and fully expects to continue doing so.

Virginia counties, unlike cities, do not have a legal debt limit. Revenue and refunding bonds, bonds for school capital projects sold through the State's Literary Fund or the Virginia Public School Authority, or bonds sold through the Virginia Resource Authority or other state agency prescribed by law require a public hearing and approval by the Board of Supervisors. General Obligation bond sales must be approved by voter referendum. This requirement does not apply to "moral obligation issues," such as Certificates of Participation, which do not commit Stafford's full faith and credit and ad valorem taxing power, but instead, require annual appropriation by the Board of Supervisors.

Bond Rating

The County's bond ratings are shown below:

	Moody's	Standard & Poor's	Fitch
General Obligation	Aa2	AA+	AA+
Lease Revenue	A1	A+	AA-
Water & Sewer	Aa2	AA	Not Rated

In June, 2013 Stafford County received positive financial news when all three rating agencies assigned a positive outlook to the County. Standard & Poor's upgraded the County's bond rating from AA to an AA+, Fitch Ratings upgraded the County's bond rating from AA to AA+, and Moody's affirmed the County's Aa2 bond rating and upgraded our outlook from stable to positive.

Fitch looked at six key rating drivers in making their decision: sound fiscal management, moderately concentrated economic base, high income metrics, history of unemployment, manageable debt profile, and lease revenue bonds appropriation risk. Fitch stated that "county finances are well-managed, adhering to long-standing policy guidelines, and include detailed planning for capital and operating needs."

Moody's stated that the positive outlook reflects the county's improved financial position, strong management, and Moody's expectation of a continued trend of operating surpluses.

The improved bond ratings affirm the Board of Supervisors' priority of fiscal responsibility and reducing the tax burden. The Board will continue its work toward further enhancing the County's bond rating.



DEBT MANAGEMENT

Debt Management Policy Statement

The Government Finance Officers Association's Committee on Governmental Debt and Fiscal Policy issued a statement regarding Recommended Practice on Debt Policy Management in 1995, and revised it in 2003. The following comments were made in the introduction to the statement:

"Debt management policies are written guidelines and restrictions that affect the amount and type of debt issued by a state or local government, the issuance process, and the management of a debt portfolio. A debt management policy improves the quality of decisions, provides justification for the structure of debt issuance, identifies policy goals, and demonstrates a commitment to long-term financial planning, including a multi-year capital plan. Adherence to a debt management policy signals to rating agencies and the capital markets that a government is well managed and should meet its obligations in a timely manner. Debt levels and their related annual costs are important long-term obligations that must be managed within available resources. An effective debt management policy provides guidelines for a government to manage its debt program in line with those resources."

Accordingly, Stafford County examined its debt program and the Board of Supervisors adopted debt policy limits to ensure that no undue burden is placed on the County and its citizens. The County's debt policies are included in the Board's Principles of High Performance Financial Management. Updated in April 2012, the debt limitations are as follows:

- General obligation debt shall not exceed 3.5% of the assessed valuation of taxable real property, with a goal to reach 3% by July 1, 2015.
- General fund debt service expenditures (County and Schools) shall not exceed 11% of the general government budget, with a goal to reach 10% by July 1, 2015.
- Capital lease debt service shall not exceed 1% of the general government budget. Capital lease debt may only be used if the following four criteria are met:
 1. Capital lease purchase is eligible under state law for such financing; and,
 2. Useful life of the purchase equals or exceeds the term of the debt; and,
 3. Total purchase exceeds \$100,000; and,
 4. Sufficient funds are available to service the capital lease debt.

In March 2013, the Board strengthened their financial policies, to include increasing cash capital to 3% by FY2018 to reduce its reliance on debt.

The adopted CIP fully complies with the financial policies.



DEBT MANAGEMENT

DEPARTMENTAL GOALS/OBJECTIVES

- Further enhancing the County's General Obligation Bond rating to promote financial integrity
- Increasing cash capital to 3% by FY2018 to reduce its reliance on debt
- Ensure fiscal integrity by achieving and maintaining our goal of a 10% debt service to general fund expenditures ratio by 2015
- Maintain and/or update our well-diversified management planning tools and policies in such areas as financials, land use, economic development.
- Maintain our revenue stabilization, capital projects and opportunity fund reserves

The above goals support the Principles of High Performance Financial Management and the Board of Supervisors Priorities for the community.

SERVICE LEVELS

	FY2013 Actual	FY2014 Budget	FY2015 Plan
Outcomes			
Debt Service	\$36,648,483	\$35,849,300	41,482,650
Debt Service per Capita	\$271	\$259	\$292
Maintain current rating with a goal to achieve the highest possible GO bond rating from all three rating agencies - Goal - AAA			
Standard & Poor's	AA+	AA+	AA+
Moody's	Aa2	Aa2	Aa2
Fitch	AA+	AA+	AA+

DEPARTMENTAL ACCOMPLISHMENTS

- Standard & Poor's upgraded the County's bond rating from AA to an AA+, Fitch Ratings upgraded the County's bond rating from AA to AA+, and Moody's affirmed the County's Aa2 bond rating and upgraded our outlook from stable to positive.
- In the effort to increase cash capital budget to 3% of the operating budget by FY2018, the FY2014 goal of 2.25% was achieved.



ANALYSIS OF OUTSTANDING DEBT

General Obligation Bonds

School Bond - VPSPA

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	281,510,533	15,784,044	265,726,489
2016	265,726,489	16,546,219	249,180,270
2017	249,180,270	16,772,122	232,408,148
2018	232,408,148	16,658,499	215,749,649
2019	215,749,649	16,575,996	199,173,653

Bonds for County Projects

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	28,185,000	1,890,000	26,295,000
2016	26,295,000	1,700,000	24,595,000
2017	24,595,000	1,705,000	22,890,000
2018	22,890,000	1,695,000	21,195,000
2019	21,195,000	1,690,000	19,505,000

Revenue Bonds

Lease Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	73,005,000	3,540,000	69,465,000
2016	69,465,000	3,580,000	65,885,000
2017	65,885,000	3,615,000	62,270,000
2018	62,270,000	3,660,000	58,610,000
2019	58,610,000	3,710,000	54,900,000

Other Debt

Other- Equipment Leases- County Equipment

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	6,072,826	937,149	5,135,676
2016	5,135,676	966,636	4,169,040
2017	4,169,040	997,051	3,171,990
2018	3,171,990	1,028,423	2,143,567
2019	2,143,567	692,504	1,451,062

Literary Fund Loans

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	2,729,186	466,149	2,263,037
2016	2,263,037	466,149	1,796,888
2017	1,796,888	466,149	1,330,739
2018	1,330,739	466,149	864,590
2019	864,590	216,149	648,441

Total General Obligation Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	312,424,719	18,140,193	294,284,526
2016	294,284,526	18,712,368	275,572,158
2017	275,572,158	18,943,271	256,628,887
2018	256,628,887	18,819,648	237,809,239
2019	237,809,239	18,482,145	219,327,094

General Government - Financing Lease - Crow's Nest

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	7,205,949	441,736	6,764,213
2016	6,764,213	451,954	6,312,258
2017	6,312,258	462,409	5,849,849
2018	5,849,849	473,106	5,376,744
2019	5,376,744	484,050	4,892,694



ANALYSIS OF OUTSTANDING DEBT

Utilities Fund

Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	82,194,378	2,863,487	79,330,891
2016	79,330,891	2,400,059	76,930,832
2017	76,930,832	2,477,416	74,453,416
2018	74,453,416	2,555,580	71,897,836
2019	71,897,836	2,634,576	69,263,260

Total Utilities Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	82,194,378	2,863,487	79,330,891
2016	79,330,891	2,400,059	76,930,832
2017	76,930,832	2,477,416	74,453,416
2018	74,453,416	2,555,580	71,897,836
2019	71,897,836	2,634,576	69,263,260

All Funds

Total All Funds Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	474,830,046	24,985,416	449,844,630
2016	449,844,630	25,144,381	424,700,248
2017	424,700,248	25,498,096	399,202,152
2018	399,202,152	25,508,334	373,693,819
2019	373,693,819	25,310,771	348,383,048



GENERAL FUND BOND DEBT

General Government Lease-Revenue Bonds, Series 2006 - 2037 Public Safety Building, Fire Stations

Fiscal Year	Principal	Interest	Total	Balance
2006	\$0	\$0	\$0	\$47,030,000
2007	0	0	0	47,030,000
2008	0	1,157,313	1,157,313	47,030,000
2009	815,000	2,298,325	3,113,325	46,215,000
2010	850,000	2,265,025	3,115,025	45,365,000
2011	885,000	2,230,325	3,115,325	44,480,000
2012	920,000	2,194,225	3,114,225	43,560,000
2013	955,000	2,156,725	3,111,725	42,605,000
2014	995,000	2,117,725	3,112,725	41,610,000
2015	1,035,000	2,077,125	3,112,125	40,575,000
2016	1,075,000	2,034,925	3,109,925	39,500,000
2017	1,115,000	1,991,125	3,106,125	38,385,000
2018	1,160,000	1,944,900	3,104,900	37,225,000
2019	1,210,000	1,890,725	3,100,725	36,015,000
2020	1,270,000	1,828,725	3,098,725	34,745,000
2021	1,335,000	1,763,600	3,098,600	33,410,000
2022	1,400,000	1,695,225	3,095,225	32,010,000
2023	1,470,000	1,623,475	3,093,475	30,540,000
2024	1,545,000	1,548,100	3,093,100	28,995,000
2025	1,620,000	1,468,975	3,088,975	27,375,000
2026	1,700,000	1,385,975	3,085,975	25,675,000
2027	1,785,000	1,298,850	3,083,850	23,890,000
2028	1,875,000	1,205,006	3,080,006	22,015,000
2029	1,975,000	1,103,944	3,078,944	20,040,000
2030	2,080,000	997,500	3,077,500	17,960,000
2031	2,190,000	885,413	3,075,413	15,770,000
2032	2,300,000	767,550	3,067,550	13,470,000
2033	2,425,000	643,519	3,068,519	11,045,000
2034	2,550,000	512,925	3,062,925	8,495,000
2035	2,685,000	375,506	3,060,506	5,810,000
2036	2,825,000	230,869	3,055,869	2,985,000
2037	2,985,000	78,356	3,063,356	0
	<u>\$47,030,000</u>	<u>\$43,771,976</u>	<u>\$90,801,976</u>	

General Government Lease-Revenue Bonds, Series 2008 - 2033 England Run Library, Patawomeck Park, Courthouse Renovations, Public Safety Communications System, JDR Courthouse Design, Artificial Turf Fields

Fiscal Year	Principal	Interest	Total	Balance
2008	\$0	\$0	\$0	\$45,165,000
2009	290,000	2,108,021	2,398,021	44,875,000
2010	2,810,000	2,033,919	4,843,919	42,065,000
2011	2,825,000	1,893,419	4,718,419	39,240,000
2012	2,835,000	1,780,419	4,615,419	36,405,000
2013	2,505,000	1,667,019	4,172,019	33,900,000
2014	2,505,000	1,566,819	4,071,819	31,395,000
2015	2,505,000	1,466,619	3,971,619	28,890,000
2016	2,505,000	1,341,369	3,846,369	26,385,000
2017	2,500,000	1,241,169	3,741,169	23,885,000
2018	2,500,000	1,141,169	3,641,169	21,385,000
2019	2,500,000	1,034,919	3,534,919	18,885,000
2020	2,500,000	909,919	3,409,919	16,385,000
2021	2,495,000	797,419	3,292,419	13,890,000
2022	2,495,000	682,025	3,177,025	11,395,000
2023	2,495,000	563,513	3,058,513	8,900,000
2024	890,000	445,000	1,335,000	8,010,000
2025	890,000	400,500	1,290,500	7,120,000
2026	890,000	356,000	1,246,000	6,230,000
2027	890,000	311,500	1,201,500	5,340,000
2028	890,000	267,000	1,157,000	4,450,000
2029	890,000	222,500	1,112,500	3,560,000
2030	890,000	178,000	1,068,000	2,670,000
2031	890,000	133,500	1,023,500	1,780,000
2032	890,000	89,000	979,000	890,000
2033	890,000	44,500	934,500	0
	<u>\$45,165,000</u>	<u>\$22,675,233</u>	<u>\$67,840,233</u>	



GENERAL FUND BOND DEBT

General Government - Crows Nest Series 2008

Fiscal Year	Principal	Interest	Total	Balance
2008	\$0	\$0	\$0	\$9,500,000
2009	352,741	269,707	622,448	9,147,259
2010	363,402	271,713	635,115	8,783,857
2011	374,386	260,729	635,115	8,409,471
2012	385,702	249,413	635,115	8,023,769
2013	397,360	237,755	635,115	7,626,409
2014	420,460	184,487	604,947	7,205,949
2015	441,736	163,211	604,947	6,764,213
2016	451,954	152,993	604,947	6,312,259
2017	462,409	142,538	604,947	5,849,850
2018	473,106	131,841	604,947	5,376,744
2019	484,050	120,897	604,947	4,892,694
2020	495,247	109,700	604,947	4,397,447
2021	506,703	98,244	604,947	3,890,744
2022	518,424	86,523	604,947	3,372,320
2023	530,416	74,530	604,946	2,841,904
2024	542,686	62,261	604,947	2,299,218
2025	555,240	49,707	604,947	1,743,978
2026	568,084	36,863	604,947	1,175,894
2027	581,225	23,722	604,947	594,669
2028	594,670	10,277	604,947	-
	<u>\$9,500,001</u>	<u>\$2,737,111</u>	<u>\$12,237,112</u>	

General Government General Obligation Bonds, Refunding Series 2012

Fiscal Year	Principal	Interest	Total	Balance
	\$0	\$0	\$0	\$4,810,000
2013	0	191,595	191,595	4,810,000
2014	700,000	205,325	905,325	4,110,000
2015	695,000	177,578	872,578	3,415,000
2016	505,000	148,878	653,878	2,910,000
2017	500,000	125,375	625,375	2,410,000
2018	490,000	102,256	592,256	1,920,000
2019	485,000	79,447	564,447	1,435,000
2020	480,000	56,894	536,894	955,000
2021	480,000	32,294	512,294	475,000
2022	475,000	9,997	484,997	-
	<u>\$4,810,000</u>	<u>\$9,997</u>	<u>\$5,939,639</u>	



GENERAL FUND BOND DEBT

General Government General Obligation Bonds, Parks, Recreation and Transportation Series 2013

Fiscal Year	Principal	Interest	Total	Balance
2015	935,000	123,076	1,058,076	18,700,000
2016	935,000	236,900	1,171,900	17,765,000
2017	940,000	227,800	1,167,800	16,825,000
2018	940,000	215,975	1,155,975	15,885,000
2019	940,000	202,725	1,142,725	14,945,000
2020	940,000	189,475	1,129,475	14,005,000
2021	940,000	176,225	1,116,225	13,065,000
2022	940,000	162,975	1,102,975	12,125,000
2023	940,000	149,725	1,089,725	11,185,000
2024	940,000	136,475	1,076,475	10,245,000
2025	940,000	123,225	1,063,225	9,305,000
2026	940,000	109,975	1,049,975	8,365,000
2027	940,000	96,725	1,036,725	7,425,000
2028	940,000	83,475	1,023,475	6,485,000
2029	940,000	70,225	1,010,225	5,545,000
2030	940,000	58,300	998,300	4,605,000
2031	940,000	47,700	987,700	3,665,000
2032	940,000	37,100	977,100	2,725,000
2033	940,000	26,500	966,500	1,785,000
2034	935,000	15,900	950,900	850,000
	<u>\$19,635,000</u>	<u>\$9,175,390</u>	<u>\$28,810,390</u>	

Parks & Recreation General Obligation Bonds, Garrisonville District Series 2013

Fiscal Year	Principal	Interest	Total	Balance
2015	260,000	123,076	\$383,076	5,030,000
2016	260,000	236,900	496,900	4,770,000
2017	265,000	227,800	492,800	4,505,000
2018	265,000	215,975	480,975	4,240,000
2019	265,000	202,725	467,725	3,975,000
2020	265,000	189,475	454,475	3,710,000
2021	265,000	176,225	441,225	3,445,000
2022	265,000	162,975	427,975	3,180,000
2023	265,000	149,725	414,725	2,915,000
2024	265,000	136,475	401,475	2,650,000
2025	265,000	123,225	388,225	2,385,000
2026	265,000	109,975	374,975	2,120,000
2027	265,000	96,725	361,725	1,855,000
2028	265,000	83,475	348,475	1,590,000
2029	265,000	70,225	335,225	1,325,000
2030	265,000	58,300	323,300	1,060,000
2031	265,000	47,700	312,700	795,000
2032	265,000	37,100	302,100	530,000
2033	265,000	26,500	291,500	265,000
2034	265,000	15,900	280,900	-
	<u>5,290,000</u>	<u>2,490,476</u>	<u>7,780,476</u>	



GENERAL FUND LEASE DEBT

Communications System

Fiscal Year	Principal	Interest	Total	Balance
	\$0	\$0	\$0	\$10,059,520
2012	845,765	269,390	1,115,155	8,944,365
2013	880,846	234,309	1,115,155	7,829,210
2014	908,562	206,593	1,115,155	6,714,055
2015	937,149	178,006	1,115,155	5,598,900
2016	966,636	148,519	1,115,155	4,483,745
2017	997,051	118,104	1,115,155	3,368,590
2018	1,028,423	86,732	1,115,155	2,253,435
2019	692,504	58,641	751,145	1,502,290
2020	714,294	36,851	751,145	751,145
2021	736,769	14,376	751,145	0
	<u>\$8,707,998</u>	<u>\$1,351,522</u>	<u>\$10,059,520</u>	



UTILITIES FUND BOND DEBT

Revenue Refunding Bonds, Series 1996

Fiscal Year	Principal	Interest	Total	Balance
2011		38,496	38,496	2,384,948
2012	565,000	81,088	646,088	1,738,860
2013	550,000	61,810	611,810	1,127,050
2014	545,000	35,815	580,815	546,235
2015	535,000	11,235	546,235	0
	<u>\$2,195,000</u>	<u>\$189,948</u>	<u>\$2,384,948</u>	

Virginia Resource Authority - Little Falls Run

Fiscal Year	Principal	Interest	Total	Balance
				13,315,803
2012	179,131	640,886	820,017	12,495,786
2013	365,351	321,513	686,864	11,808,922
2014	378,429	308,435	686,864	11,122,058
2015	391,982	294,882	686,864	10,435,194
2016	406,020	280,843	686,863	9,748,331
2017	420,562	266,301	686,863	9,061,468
2018	435,624	251,238	686,862	8,374,606
2019	451,227	235,637	686,864	7,687,742
2020	467,387	219,476	686,863	7,000,879
2021	484,127	202,737	686,864	6,314,015
2022	501,466	185,397	686,863	5,627,152
2023	519,426	167,437	686,863	4,940,289
2024	538,029	148,835	686,864	4,253,425
2025	557,299	129,565	686,864	3,566,561
2026	577,258	109,606	686,864	2,879,697
2027	597,933	88,930	686,863	2,192,834
2028	619,348	67,516	686,864	1,505,970
2029	641,530	45,334	686,864	819,106
2030	664,506	22,357	686,863	132,243
2031	129,937	2,306	132,243	-
	<u>9,326,572</u>	<u>3,989,231</u>	<u>13,315,803</u>	



UTILITIES FUND BOND DEBT

Virginia Resources Authority - Aquia

Fiscal Year	Principal	Interest	Total	Balance
2012	536,481	475,248	1,011,729	\$22,849,558
2013	1,064,593	353,935	1,418,528	21,784,965
2014	1,074,248	344,280	1,418,528	20,710,717
2015	1,091,505	327,023	1,418,528	19,619,212
2016	1,109,039	309,489	1,418,528	18,510,173
2017	1,126,854	291,673	1,418,527	17,383,319
2018	1,144,956	273,572	1,418,528	16,238,363
2019	1,163,349	255,179	1,418,528	15,075,014
2020	1,182,037	236,491	1,418,528	13,892,977
2021	1,201,025	217,503	1,418,528	12,691,952
2022	1,220,318	198,210	1,418,528	11,471,634
2023	1,239,922	178,606	1,418,528	10,231,712
2024	1,259,839	158,688	1,418,527	8,971,873
2025	1,280,077	138,450	1,418,527	7,691,796
2026	1,300,640	117,887	1,418,527	6,391,156
2027	1,321,534	96,993	1,418,527	5,069,622
2028	1,342,763	75,764	1,418,527	3,726,859
2029	1,364,333	54,194	1,418,527	2,362,526
2030	1,386,250	32,277	1,418,527	976,276
2031	976,276	10,009	986,285	0
	<u>\$23,386,039</u>	<u>\$4,145,471</u>	<u>\$27,531,510</u>	

Virginia Resources Authority - 2012

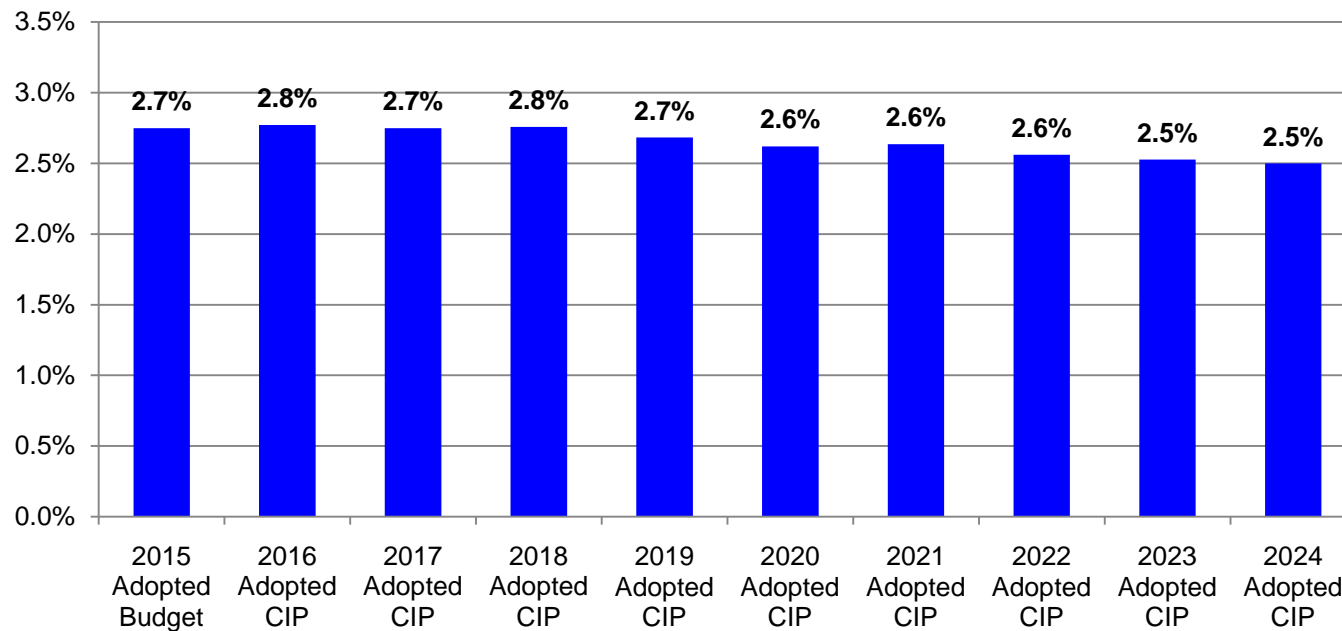
Rocky Pen Run Dam and Reservoir, Rocky Pen Run Water Treatment Facility, Various water distribution projects and infrastructure improvements.

Fiscal Year	Principal	Interest	Total	Balance
2012		2,314,858	2,314,858	104,865,061
2013	810,000	2,606,713	3,416,713	102,550,203
2014	845,000	2,573,678	3,418,678	99,133,490
2015	885,000	2,531,846	3,416,846	95,714,812
2016	930,000	2,489,462	3,419,462	92,297,966
2017	975,000	2,444,772	3,419,772	88,878,504
2018	1,020,000	2,398,225	3,418,225	85,458,732
2019	1,070,000	2,349,243	3,419,243	82,040,507
2020	1,125,000	2,292,996	3,417,996	78,621,264
2021	1,180,000	2,239,181	3,419,181	75,203,268
2022	1,235,000	2,184,397	3,419,397	71,784,087
2023	1,295,000	2,121,416	3,416,416	68,364,690
2024	1,365,000	2,053,254	3,418,254	64,948,274
2025	1,435,000	1,981,503	3,416,503	61,530,020
2026	1,510,000	1,910,588	3,420,588	58,113,517
2027	1,580,000	1,840,706	3,420,706	54,692,929
2028	1,650,000	1,767,637	3,417,637	51,272,223
2029	1,730,000	1,685,975	3,415,975	47,854,586
2030	1,825,000	1,594,878	3,419,878	44,438,611
2031	1,920,000	1,498,912	3,418,912	41,018,733
2032	2,020,000	1,397,950	3,417,950	37,599,821
2033	2,125,000	1,294,935	3,419,935	34,181,871
2034	2,230,000	1,186,538	3,416,538	30,761,936
2035	2,350,000	1,069,175	3,419,175	27,345,398
2036	2,470,000	945,663	3,415,663	23,926,223
2037	2,600,000	815,744	3,415,744	20,510,560
2038	2,740,000	678,906	3,418,906	17,094,816
2039	2,885,000	534,766	3,419,766	13,675,910
2040	3,030,000	387,719	3,417,719	10,256,144
2041	3,180,000	237,863	3,417,863	6,838,425
2042	3,340,000	80,562	3,420,562	3,420,562
	<u>53,355,000</u>	<u>51,510,061</u>	<u>104,865,061</u>	-



DEBT AS A PERCENTAGE OF ASSESSED VALUE

The County's financial policy "Principles of High Performance Financial Management" state that general obligation debt shall not exceed 3.5% of the assessed valuation of taxable real property, and shall not exceed 3% by July 1, 2015. Below is a graph illustrating the County's compliance with the policy.





DEBT SERVICE AS A PERCENTAGE OF GENERAL GOVERNMENT BUDGET

The County's Financial Policy states general fund debt service expenditures (County and Schools) shall not exceed 11% of the general government and schools operating budgets and shall not exceed 10% by July 1, 2015. Below is a graph presenting the County's compliance with the policy.

