

Capital Improvements Program and Debt Management

Stafford County FY16 Adopted Budget

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



The Jeff Rouse Swim and Sport Center, an indoor recreation facility will be located at the new Embrey Mill Park. This 76,000 square foot indoor recreation facility will have three pools, one of which is a 50 meter x 25 yards, that will accommodate high level championship swim meets, space for fitness equipment, aerobics, spinning, two basketball courts and classrooms.

Who are We?

Capital Improvement Program

- 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.
- Provides an overview of the CIP program, a summary of all projects, and detailed sheets for all projects.

Debt Management

- Analysis of Outstanding Debt for Fiscal Years 2016-2025
- Displays the principal amounts owed at the current time.
- 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.

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.
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- 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.



On December 18, 2014, Lake Mooney Reservoir and Water Treatment Facility began operation. Lake Mooney Reservoir is a 40 million gallon per day (mgd) off-stream water storage reservoir with an adjacent water treatment facility. The reservoir was constructed to supply water to the southern end of Stafford County and is the third source of water for the county. Once filled, Lake Mooney will provide a total of 12 million gallons per day.

Who are we?

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.

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.

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

Stafford County FY16 Adopted Budget

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 after a public hearing. 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 envisioned for additional transportation, public safety 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

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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 to maximize available state revenue sharing based on the County's available funding.

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.



Before and after photos of the Courthouse Streetscape - Phase 1 project. 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.



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.

The FY2016 - FY2025 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.
- Tentative referenda for future projects. Proposed timing:
 - November 2016: Public Safety
 - November 2016: Parks
 - November 2018: Transportation

New or Updated Projects

County Government

Public Safety

- Aquia Station Rehabilitation
- Cardiac Equipment Replacement

Parks and Recreation

- Park at Embrey Mill
- Duff McDuff Green Park
- Patawomeck Park Phase 2
- New and Renovated Park Amenities

Public Works

- Porter Library Renovation

Transportation

- The combination of lower debt limits and lower projected fuels tax results in reduced transportation funding

Schools

- High School #6

SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Stafford County FY16 Adopted Budget

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period	Later Years Funding	Total Project Cost
Public Safety	1,047,710	4,474,620	9,640,670	2,590,000	7,230,150	8,570,000	3,031,000	3,224,000	11,929,000	2,807,000	2,840,000	56,336,440	0	\$57,384,150
Information Technology	0	500,000	671,000	505,000	274,000	282,000	380,000	239,000	308,000	319,000	394,000	3,872,000	0	\$3,872,000
Parks, Recreation and Community Facilities	0	715,000	5,765,960	6,329,740	10,202,088	9,020,088	7,209,000	2,977,000	3,506,000	3,008,000	3,487,000	52,219,876	0	\$52,219,876
Public Works	647,000	1,753,000	7,275,000	630,000	4,623,000	14,547,000	16,960,000	2,449,000	2,457,000	2,486,000	3,486,000	56,666,000	15,765,000	\$73,078,000
Transportation	45,075,625	16,491,319	22,809,500	27,202,052	10,038,000	18,112,068	15,767,079	2,800,000	2,567,079	10,420,522	15,830,000	142,037,619	41,849,320	\$228,962,564
Schools	65,600,000	28,872,000	24,934,000	23,374,000	21,900,000	21,680,000	10,280,000	15,892,000	14,575,000	47,172,000	57,417,000	266,096,000	91,473,000	\$423,169,000
Project Total	\$112,370,335	\$52,805,939	\$71,096,130	\$60,630,792	\$54,267,238	\$72,211,156	\$53,627,079	\$27,581,000	\$35,342,079	\$66,212,522	\$83,454,000	\$577,227,935	\$149,087,320	\$838,685,590

Funding Summary	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
County	4,706,189	15,941,630	13,803,483	11,332,088	25,527,088	20,354,000	3,360,000	11,650,000	6,543,261	12,916,000	\$126,133,739
Schools ¹	22,235,000	20,039,000	17,574,000	15,960,000	15,415,000	3,950,000	7,296,000	7,900,000	40,242,000	50,307,000	\$200,918,000
Bond	\$26,941,189	\$35,980,630	\$31,377,483	\$27,292,088	\$40,942,088	\$24,304,000	\$10,656,000	\$19,550,000	\$46,785,261	\$63,223,000	\$327,051,739
Master Lease	3,472,000	2,172,000	1,585,000	5,035,150	1,432,000	1,983,000	1,519,000	1,500,000	1,661,000	1,660,000	\$22,019,150
Cash Funded - County	3,136,708	4,314,000	6,702,000	4,929,000	5,460,000	5,493,000	5,410,000	6,050,000	5,626,000	6,211,000	\$53,331,708
Cash Funded - Schools ¹	4,087,000	4,895,000	5,800,000	5,940,000	6,265,000	6,330,000	8,596,000	6,675,000	6,930,000	7,110,000	\$62,628,000
Proffers/Capital Project Reserve	2,664,577	0	72,000	1,033,000	0	0	0	0	0	0	\$3,769,577
Service District Supported GO Bonds	0	0	0	0	14,200,000	0	0	0	0	0	\$14,200,000
Service District	0	0	1,109,966	0	0	0	0	0	0	0	1,109,966
Fuel Tax	4,323,791	0	0	0	0	0	0	0	0	0	\$4,323,791
Revenue Sharing	8,708,291	1,495,675	648,763	7,618,305	9,600,000	817,079	1,400,000	1,000,000	5,210,261	5,250,000	\$41,748,374
State/Federal	3,769,000	8,215,964	5,388,829	11,071,671	360,247	0	0	0	0	0	\$28,805,711
Impact Fees	100,000	100,000	1,515,500	1,600,000	1,600,000	1,600,000	0	0	0	0	\$6,515,500
In-Kind	0	0	0	0	0	0	0	0	0	0	\$0
	\$57,202,556	\$57,173,269	\$54,199,541	\$64,519,214	\$79,859,335	\$40,527,079	\$27,581,000	\$34,775,000	\$66,212,522	\$83,454,000	\$565,503,516

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	1,171,000	3,454,179	3,670,047	3,795,847	4,116,824	5,460,416	5,736,413	7,853,537	8,107,954
Operating	0	890,000	2,092,000	1,636,000	1,704,000	3,725,000	2,568,000	3,036,000	2,968,000	2,857,000
Debt Service Bond (cumulative)	0	2,255,000	5,267,000	7,894,000	10,180,000	13,606,000	15,641,000	16,533,000	18,170,000	22,086,000
Debt Service Master Lease (cumulative)	0	461,000	749,000	959,000	1,627,534	1,817,534	2,080,534	2,282,534	2,481,534	2,701,534
Service District Debt Service	491,238	491,238	491,238	491,238	491,238	1,679,484	1,679,484	1,679,484	1,679,484	1,679,484
Revenue/Savings	0	0	(24,500)	(50,000)	(52,000)	(192,000)	(285,000)	(301,000)	(316,000)	(328,000)
Total	\$491,238	\$5,268,238	\$12,028,917	\$14,600,285	\$17,746,619	\$24,752,842	\$27,144,434	\$28,966,431	\$32,836,555	\$37,103,972

Summary of Bond Funded Projects

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

Agency	Projects	Opening Date	Current Year Cost	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period
Public Safety	Fire & Rescue Training Center	2021	5,918,400	0	0	0	174,000	6,120,000	0	0	0	0	0	6,294,000
	Fire & Rescue Station 14	2018	6,058,799	0	6,540,670	0	0	0	0	0	0	0	0	6,540,670
	Fire & Rescue Station - New	2024	8,096,984	0	0	0	0	0	0	627,000	9,317,000	0	0	9,944,000
Parks, Recreation & Community Facilities	Park at Embrey Mill - Phase 3	2019	5,390,945	0	2,719,960	2,962,740	0	0	0	0	0	0	0	5,682,700
	Duff McDuff Green Park	2021	12,249,146	0	0	0	7,475,088	5,951,088	0	0	0	0	0	13,426,176
	Patawomeck Park Phase 2	2022	3,730,760	0	0	0	0	0	4,243,000	0	0	0	0	4,243,000
	New and Renovated Park Amenities	On-going	N/A	0	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,336,000	12,000,000
Public Works	Animal Shelter	2018	5,593,000	0	5,348,000	0	0	0	0	0	0	0	0	5,348,000
	Courthouse Addition	2022	27,596,770	0	0	0	2,350,000	12,123,000	14,528,000	0	0	0	0	29,001,000
	Library	2027	11,855,000	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
Transportation	Transportation Bonds	On-going	N/A	4,706,189	0	9,507,743	0	0	250,000	1,400,000	1,000,000	5,210,261	10,580,000	32,654,193
Subtotal County Projects				\$4,706,189	\$15,941,630	\$13,803,483	\$11,332,088	\$25,527,088	\$20,354,000	\$3,360,000	\$11,650,000	\$6,543,261	\$12,916,000	\$126,133,739
Schools - Presented 10-14-2014	Stafford High School	Sep-15	N/A	4,000,000	0	0	0	0	0	0	0	0	0	4,000,000
	Moncure Elementary Rebuild	Sep-19	22,761,000	800,000	8,673,000	13,674,000	1,000,000	0	0	0	0	0	0	24,147,000
	Ferry Farm Elementary Rebuild	Sep-20	22,673,000	0	0	1,000,000	11,760,000	11,760,000	1,000,000	0	0	0	0	25,520,000
	Elementary #18	Sep-23	36,185,000	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
	Middle School #9	TBD	36,485,000	0	0	0	0	0	0	0	0	0	500,000	500,000
	High School #6	Sep-26	81,487,000	0	0	0	0	0	0	0	3,000,000	34,107,000	34,107,000	71,214,000
	Brooke Point HS Addition	Sep-16	N/A	6,761,000	0	0	0	0	0	0	0	0	0	6,761,000
	Mt. View HS Addition	Sep-17	N/A	450,000	7,316,000	0	0	0	0	0	0	0	0	7,766,000
	Colonial Forge HS Addition	Sep-16	N/A	6,524,000	0	0	0	0	0	0	0	0	0	6,524,000
	Hartwood Elementary Renovation	Sep-26	10,829,000	0	0	0	0	0	0	0	0	1,000,000	10,000,000	11,000,000
	Fleet Services	Sep-22	3,244,500	0	0	0	0	0	750,000	3,896,000	0	0	0	4,646,000
	Infrastructure	On-going	N/A	3,700,000	4,050,000	2,900,000	3,200,000	3,655,000	2,200,000	3,400,000	4,900,000	5,135,000	4,700,000	37,840,000
Subtotal Schools Projects				\$22,235,000	\$20,039,000	\$17,574,000	\$15,960,000	\$15,415,000	\$3,950,000	\$7,296,000	\$7,900,000	\$40,242,000	\$50,307,000	\$200,918,000
Total All Projects				\$26,941,189	\$35,980,630	\$31,377,483	\$27,292,088	\$40,942,088	\$24,304,000	\$10,656,000	\$19,550,000	\$46,785,261	\$63,223,000	\$327,051,739

Bond Funded Summary (master lease not included)			FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
	County		\$4,706,189	\$15,941,630	\$13,803,483	\$11,332,088	\$25,527,088	\$20,354,000	\$3,360,000	\$11,650,000	\$6,543,261	\$12,916,000	\$126,133,739
	Schools		\$22,235,000	\$20,039,000	\$17,574,000	\$15,960,000	\$15,415,000	\$3,950,000	\$7,296,000	\$7,900,000	\$40,242,000	\$50,307,000	200,918,000
	Total Borrowows		\$26,941,189	\$35,980,630	\$31,377,483	\$27,292,088	\$40,942,088	\$24,304,000	\$10,656,000	\$19,550,000	\$46,785,261	\$63,223,000	\$327,051,739
	Availability Limit		40,453,000	23,320,000	38,146,000	27,100,000	37,673,000	28,212,000	41,478,000	42,964,000	27,331,000	20,374,739	327,051,739
	Cumulative (Deficit)/Surplus		13,511,811	851,181	7,619,698	7,427,610	4,158,522	8,066,522	38,888,522	62,302,522	42,848,261	-	

Debt Service		2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Existing Bond Debt Service		40,847,673	40,597,497	39,341,481	37,221,059	36,201,501	34,382,088	33,431,682	31,475,348	29,436,623	28,692,672
New Bond Debt Service		0	2,255,000	5,267,000	7,894,000	10,180,000	13,606,000	15,641,000	16,533,000	18,170,000	22,086,000
Total Bond Debt		\$40,847,673	\$42,852,497	\$44,608,481	\$45,115,059	\$46,381,501	\$47,988,088	\$49,072,682	\$48,008,348	\$47,606,623	\$50,778,672
Existing Master Lease		2,590,850	2,889,750	2,502,841	2,138,832	1,647,834	1,647,834	896,689	862,021	862,021	446,825
New Master lease		0	461,000	749,000	959,000	1,627,534	1,817,534	2,080,534	2,282,534	2,481,534	2,701,534
Total Master Lease		\$2,590,850	\$3,350,750	\$3,251,841	\$3,097,832	\$3,275,368	\$3,465,368	\$2,977,223	\$3,144,555	\$3,343,555	\$3,148,359
Total Debt Service		\$43,438,523	\$46,203,247	\$47,860,323	\$48,212,890	\$49,656,869	\$51,453,456	\$52,049,905	\$51,152,903	\$50,950,178	\$53,927,031

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

Stafford County FY16 Adopted Budget

Operating Impacts - The following table illustrates the operating impacts in future years of the ten year plan

Project	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period
Fire & Rescue Training Center	0	0	0	0	0	1,452,000	84,000	86,000	89,000	91,000	1,802,000
Fire & Rescue Station 14	0	0	1,778,000	1,641,000	1,689,000	1,739,000	1,792,000	1,845,000	1,900,000	1,958,000	14,342,000
Fire & Rescue Station New	0	0	0	0	0	0	0	0	2,098,000	1,933,000	4,031,000
On-line Permitting	0	175,000	175,000	175,000	175,000	180,000	180,000	180,000	180,000	180,000	1,600,000
Voting Machines	0	0	8,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000	75,000
Park at Embrey Mill - Phase 3	0	0	446,679	205,047	208,847	213,760	217,791	221,943	227,220	231,625	1,972,912
Duff McDuff Green Park	0	0	0	0	0	524,064	218,625	223,286	226,117	232,123	1,424,215
Patawomeck Park Phase 2	0	0	0	0	0	0	0	313,592	137,100	141,103	591,795
New and Renovated Park Amenities	0	0	0	0	0	0	0	313,592	137,100	141,103	591,795
Animal Shelter	0	0	108,000	46,000	47,000	49,000	50,000	52,000	53,000	55,000	460,000
Courthouse Addition	0	0	0	0	0	0	1,540,000	1,379,000	1,420,000	1,463,000	5,802,000
Belmont Ferry Farm Trail	0	82,000	54,000	56,000	57,000	59,000	61,000	62,000	64,000	66,000	561,000
Stormwater	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000	325,000	1,677,000
Brooke Point HS Addition	0	893,000	916,000	951,000	990,000	1,030,000	1,070,000	1,113,000	1,158,000	1,204,000	9,325,000
Mt. View HS Addition	0	0	1,066,000	1,129,000	1,153,000	1,199,000	1,247,000	1,296,000	1,348,000	1,402,000	9,840,000
Colonial Forge HS Addition	0	873,000	895,000	931,000	969,000	1,007,000	1,048,000	1,090,000	1,134,000	1,179,000	9,126,000
Fleet Services	0	0	0	0	0	0	0	23,000	24,000	25,000	72,000
	\$0	\$2,061,000	\$5,521,679	\$5,256,047	\$5,447,847	\$7,649,824	\$7,743,416	\$8,471,413	\$10,505,537	\$10,636,954	\$63,293,717

Operating and Debt Service Impacts

Stafford County FY16 Adopted Budget

Debt Service Impacts

The County's Capital Improvement Program was developed to comply with the Board of supervisors' financial policies. The total FY16 General Fund Operating Budget for Debt Service for both County and Schools is \$555,891,255

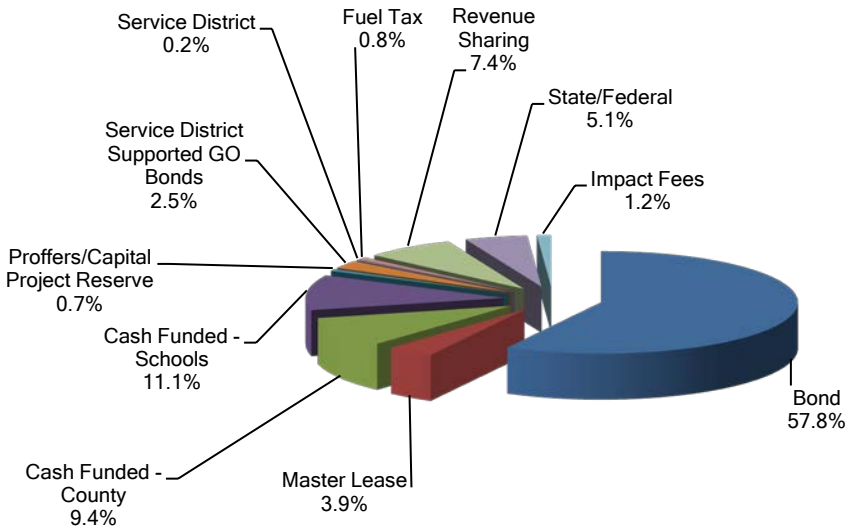
Project	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period
Fire & Rescue Training Center	0	0	0	0	15,000	527,000	527,000	527,000	527,000	527,000	\$2,650,000
Fire & Rescue Station 14	0	0	547,000	547,000	547,000	547,000	547,000	547,000	547,000	547,000	\$4,376,000
Fire & Rescue Station New	0	0	0	0	0	0	0	52,000	832,000	832,000	\$1,716,000
Park at Embrey Mill - Phase 3	0	0	228,000	476,000	476,000	476,000	476,000	476,000	476,000	476,000	\$3,560,000
Duff McDuff Green Park	0	0	0	0	626,000	1,124,000	1,124,000	1,124,000	1,124,000	1,124,000	\$6,246,000
Patawomeck Park Phase 2	0	0	0	0	0	0	355,000	355,000	355,000	355,000	\$1,420,000
New and Renovated Park Amenities	0	0	112,000	224,000	336,000	448,000	560,000	672,000	784,000	896,000	\$4,032,000
Animal Shelter	0	0	448,000	448,000	448,000	448,000	448,000	448,000	448,000	448,000	\$3,584,000
Courthouse Addition	0	0	0	0	197,000	1,211,000	2,427,000	2,427,000	2,427,000	2,427,000	\$11,116,000
Library	0	0	0	0	0	0	0	0	0	0	\$0
Transportation	0	393,000	393,000	1,189,000	1,189,000	1,189,000	1,210,000	1,327,000	1,411,000	1,847,000	\$10,148,000
Stafford High School	0	335,000	335,000	335,000	335,000	335,000	335,000	335,000	335,000	335,000	\$3,015,000
Moncure Elementary Rebuild	0	67,000	793,000	1,937,000	2,021,000	2,021,000	2,021,000	2,021,000	2,021,000	2,021,000	\$14,923,000
Ferry Farm Elementary Rebuild	0	0	0	84,000	1,068,000	2,052,000	2,136,000	2,136,000	2,136,000	2,136,000	\$11,748,000
Elementary School #18	0	0	0	0	0	0	0	0	0	0	\$0
Middle School #9	0	0	0	0	0	0	0	0	0	0	\$0
High School #6	0	0	0	0	0	0	0	0	251,000	3,105,000	\$3,356,000
Brooke Point HS Addition	0	566,000	566,000	566,000	566,000	566,000	566,000	566,000	566,000	566,000	\$5,094,000
Mt. View HS Addition	0	38,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	\$5,238,000
Colonial Forge HS Addition	0	546,000	546,000	546,000	546,000	546,000	546,000	546,000	546,000	546,000	\$4,914,000
Harwood Elementary Renovation	0	0	0	0	0	0	0	0	0	84,000	\$84,000
Fleet Services	0	0	0	0	0	0	63,000	389,000	389,000	389,000	\$1,230,000
Infrastructure	0	310,000	649,000	892,000	1,160,000	1,466,000	1,650,000	1,935,000	2,345,000	2,775,000	\$13,182,000
New Debt Service	\$0	\$2,255,000	\$5,267,000	\$7,894,000	\$10,180,000	\$13,606,000	\$15,641,000	\$16,533,000	\$18,170,000	\$22,086,000	
Existing Debt Service	\$40,847,673	\$40,597,497	\$39,341,481	\$37,221,059	\$36,201,501	\$34,382,088	\$33,431,682	\$31,475,348	\$29,436,623	\$28,692,672	
	\$40,847,673	\$42,852,497	\$44,608,481	\$45,115,059	\$46,381,501	\$47,988,088	\$49,072,682	\$48,008,348	\$47,606,623	\$50,778,672	

Master Lease Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period
Replacement Apparatus	0	182,000	470,000	680,000	928,000	1,118,000	1,381,000	1,583,000	1,782,000	2,002,000	10,126,000
Public Safety Communication System Update	0	279,000	279,000	279,000	279,000	279,000	279,000	279,000	279,000	279,000	2,511,000
Cardiac Equipment Replacement	0	0	0	0	305,534	305,534	305,534	305,534	305,534	305,534	1,833,203
Aquia Station Rehab	0	0	0	0	115,000	115,000	115,000	115,000	115,000	115,000	690,000
New Master Lease	\$0	\$461,000	\$749,000	\$959,000	\$1,627,534	\$1,817,534	\$2,080,534	\$2,282,534	\$2,481,534	\$2,701,534	\$15,160,203
Existing Master Lease	2,590,850	2,889,750	2,502,841	2,138,832	1,647,834	1,647,834	896,689	862,021	862,021	446,825	
	\$2,590,850	\$3,350,750	\$3,251,841	\$3,097,832	\$3,275,368	\$3,465,368	\$2,977,223	\$3,144,555	\$3,343,555	\$3,148,359	
Total Debt	\$43,438,523	\$46,203,247	\$47,860,323	\$48,212,890	\$49,656,869	\$51,453,456	\$52,049,905	\$51,152,903	\$50,950,178	\$53,927,031	

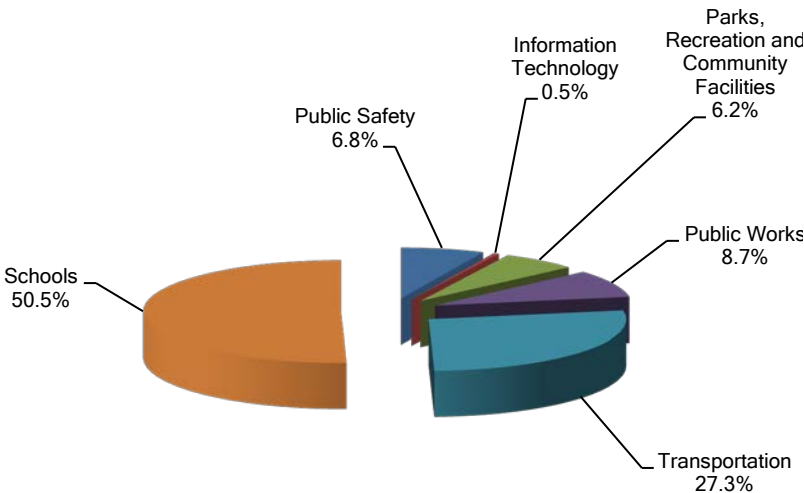
Capital Improvement Program Project Allocation Charts

The FY2016 - FY2025 Capital Improvement Program totals \$577,227,935 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.

This graph represents the funding sources for projects in the Capital Improvement Plan



This graph represents the allocation of funds for projects in the Capital Improvement Plan for planning period FY2016 - FY2025





PUBLIC SAFETY

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
Fire & Rescue Replacement Apparatus	0	2,196,000	3,044,000	2,485,000	2,797,000	2,388,000	2,967,000	2,531,000	2,544,000	2,737,000	2,768,000	0	26,457,000
Fire & Rescue Training Center	0	0	0	0	524,000	6,120,000	0	0	0	0	0	0	6,644,000
Fire & Rescue Station 14	1,047,710	124,620	6,540,670	0	0	0	0	0	0	0	0	0	7,713,000
Fire & Rescue Station - New	0	0	0	0	0	0	0	627,000	9,317,000	0	0	0	9,944,000
FCC Mandated Upgrade to Radio System (TDMA)	0	2,100,000	0	0	0	0	0	0	0	0	0	0	2,100,000
Cardiac Equipment Replacement	0	0	0	0	2,303,000	0	0	0	0	0	0	0	2,303,000
Aquia Station Renovations	0	0	0	47,000	1,546,150	0	0	0	0	0	0	0	1,593,150
Station Renovations	0	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	70,000	72,000	0	630,000
Total	\$1,047,710	\$4,474,620	\$9,640,670	\$2,590,000	\$7,230,150	\$8,570,000	\$3,031,000	\$3,224,000	\$11,929,000	\$2,807,000	\$2,840,000	\$0	\$57,384,150

Funding Sources	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	1,000,000	891,708	928,000	958,000	988,000	1,018,000	1,048,000	1,078,000	1,112,000	1,146,000	1,180,000
Bonds	0	0	6,540,670	0	174,000	6,120,000	0	627,000	9,317,000	0	0
Master Lease	0	3,472,000	2,172,000	1,585,000	5,035,150	1,432,000	1,983,000	1,519,000	1,500,000	1,661,000	1,660,000
Proffers/Capital Project Reserve	47,710	110,912	0	47,000	1,033,000	0	0	0	0	0	0
Total	\$1,047,710	\$4,474,620	\$9,640,670	\$2,590,000	\$7,230,150	\$8,570,000	\$3,031,000	\$3,224,000	\$11,929,000	\$2,807,000	\$2,840,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	1,550,000	1,597,000	1,645,000	1,755,000	1,808,000	1,862,000	3,745,000	3,858,000
Operating	0	0	228,000	44,000	44,000	1,491,000	125,000	129,000	404,000	189,000
Debt Service	0	0	547,000	547,000	562,000	1,074,000	1,074,000	1,126,000	1,906,000	1,906,000
Debt Service Master Lease	0	461,000	749,000	959,000	1,627,534	1,817,534	2,080,534	2,282,534	2,481,534	2,701,534
Revenue	0	0	0	0	0	(55,000)	(57,000)	(60,000)	(62,000)	(65,000)
Total	\$0	\$461,000	\$3,074,000	\$3,147,000	\$3,878,534	\$6,082,534	\$5,030,534	\$5,339,534	\$8,474,534	\$8,589,534

REPLACEMENT APPARATUS

Total Project Cost: \$26,457,000

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 revised in FY14. The results of that review have been used to re-configure the apparatus replacement plan and continue efforts to downsize the fleet.



PROJECT COSTS

1 engine 1 heavy rescue squad 1 fire boat	3 ambulances 2 engines 1 ladder	4 ambulances 2 engines 1 fire boat	4 ambulances 1 engine 1 ladder	4 ambulances 1 engine 1 tanker	4 ambulances 1 engine 1 ladder	4 ambulances 1 engine 1 tanker	4 ambulances 1 engine 1 tanker	4 ambulances 2 engines	4 ambulances 1 heavy rescue squad	4 ambulances 1 engine 1 tanker
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Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Ambulance	0	0	654,000	900,000	928,000	956,000	984,000	1,012,000	1,044,000	1,076,000	1,108,000
Engines	0	610,000	1,256,000	1,294,000	666,000	686,000	707,000	728,000	1,500,000	0	796,000
Specialty Apparatus	0	1,586,000	1,134,000	291,000	1,203,000	746,000	1,276,000	791,000	0	1,661,000	864,000
Total	\$0	\$2,196,000	\$3,044,000	\$2,485,000	\$2,797,000	\$2,388,000	\$2,967,000	\$2,531,000	\$2,544,000	\$2,737,000	\$2,768,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	824,000	872,000	900,000	928,000	956,000	984,000	1,012,000	1,044,000	1,076,000	1,108,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	1,372,000	2,172,000	1,585,000	1,869,000	1,432,000	1,983,000	1,519,000	1,500,000	1,661,000	1,660,000
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,196,000	\$3,044,000	\$2,485,000	\$2,797,000	\$2,388,000	\$2,967,000	\$2,531,000	\$2,544,000	\$2,737,000	\$2,768,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	182,000	470,000	680,000	928,000	1,118,000	1,381,000	1,583,000	1,782,000	2,002,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$182,000	\$470,000	\$680,000	\$928,000	\$1,118,000	\$1,381,000	\$1,583,000	\$1,782,000	\$2,002,000

TRAINING CENTER

Total Project Cost: \$6,644,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	524,000	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	5,580,000	0	0	0	0	0
Contingency	0	0	0	0	0	540,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$524,000	\$6,120,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	174,000	6,120,000	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Reserve	0	0	0	0	350,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$524,000	\$6,120,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	61,000	63,000	65,000	67,000	69,000
Operating	0	0	0	0	0	1,446,000	78,000	81,000	84,000	87,000
Debt Service	0	0	0	0	15,000	527,000	527,000	527,000	527,000	527,000
Master Lease	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	(55,000)	(57,000)	(60,000)	(62,000)	(65,000)
Total	\$0	\$0	\$0	\$0	\$15,000	\$1,979,000	\$611,000	\$613,000	\$616,000	\$618,000

FIRE AND RESCUE STATION 14

Total Project Cost: \$7,713,000

Est. Opening Date: 2018

[Links to Board's Strategic Initiatives](#)
• Response Time Improvement

PROGRAM DESCRIPTION

The North County Fire and Rescue station is currently a modular building placed on the site in 2013 to replace the original farmhouse on the property. The station currently houses one engine and a crew of three to four career staff. Plans for the permanent station call for it to house an engine, a ladder, a medic unit and a battalion chief.

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, medic unit, and battalion chief. 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	47,710	124,620	0	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	5,994,670	0	0	0	0	0	0	0	0
Contingency	0	0	546,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,047,710	\$124,620	\$6,540,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	1,000,000	13,708	0	0	0	0	0	0	0	0	0
Bonds	0	0	6,540,670	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Reserve	47,710	110,912	0	0	0	0	0	0	0	0	0
Total	\$1,047,710	\$124,620	\$6,540,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	1,550,000	1,597,000	1,645,000	1,694,000	1,745,000	1,797,000	1,851,000	1,907,000
Operating	0	0	228,000	44,000	44,000	45,000	47,000	48,000	49,000	51,000
Debt Service	0	0	547,000	547,000	547,000	547,000	547,000	547,000	547,000	547,000
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	\$2,325,000	\$2,188,000	\$2,236,000	\$2,286,000	\$2,339,000	\$2,392,000	\$2,447,000	\$2,505,000

FIRE AND RESCUE STATION - NEW

Total Project Cost: \$9,944,000

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. The station will house a engine and 1 medic unit.

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	627,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	2,016,000	0	0
Construction / Project	0	0	0	0	0	0	0	0	6,672,000	0	0
Contingency	0	0	0	0	0	0	0	0	629,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$627,000	\$9,317,000	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	627,000	9,317,000	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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$627,000	\$9,317,000	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	1,827,000	1,882,000
Operating	0	0	0	0	0	0	0	0	271,000	51,000
Debt Service	0	0	0	0	0	0	0	52,000	832,000	832,000
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	\$52,000	\$2,930,000	\$2,765,000

FCC MANDATED UPDATE TO PUBLIC SAFETY RADIO COMMUNICATIONS SYSTEM

Total Project Cost: \$2,100,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,100,000	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	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,100,000	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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		279,000	279,000	279,000	279,000	279,000	279,000	279,000	279,000	279,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$279,000	\$279,000	\$279,000	\$279,000	\$279,000	\$279,000	\$279,000	\$279,000	\$279,000

CARDIAC EQUIPMENT REPLACEMENT

Total Project Cost: \$2,303,000

Est. Opening Date: 2019

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

- Supports the BOS Public Safety

PROGRAM DESCRIPTION

This project will replaced all of the Fire and Rescue Department's cardiac monitor/defibrillator and CardioPulmonary Resuscitation (CPR) equipment which was obtained in 2009 on a lease-purchase program. The lease ended in 2014 and the department purchased the equipment at that time. The service life for this equipment is ten years. Cardiac monitor/defibrillator equipment is essential to the department's advanced life support and emergency medical services program. Replacement of the equipment en masse is necessary in order to maintain consistency and provide optimal care.



OPERATING IMPACT SUMMARY

Replacement of the cardiac monitor/defibrillator equipment will allow field paramedics to utilize the latest technology to provide state of the art care to patients and lower on-going maintenance costs associated with older technology.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,303,000	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	\$0	\$0	\$2,303,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,303,000	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$2,303,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	305,534	305,534	305,534	305,534	305,534	305,534
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$305,534	\$305,534	\$305,534	\$305,534	\$305,534	\$305,534

Aquia Station Renovation

Total Project Cost: \$1,593,150

Est. Opening Date: 0

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

- Supports the BOS Public Safety Initiative

PROGRAM DESCRIPTION

The project consists of two phases the first phase would be a renovation to the existing existing 5000 sq. ft. building and would focus on the second floor living area with minimal renovations to the engine bays below on the first floor. Phase two would be the construction of a two story 50 X 50 addition. The first floor would accommodate an additional 2 bays, bathroom, decon room and laundry room. The second floor would contain classrooms, bathrooms, living area and sleeping area.



OPERATING IMPACT SUMMARY

0

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	47,000	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	1,409,450	0	0	0	0	0	0
Contingency	0	0	0	0	136,700	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$47,000	\$1,546,150	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	863,150	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	0	0	47,000	683,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$47,000	\$1,546,150	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	115,000	115,000	115,000	115,000	115,000	115,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000

Station Renovations/Improvements

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

Total Project Cost: \$630,000

Est. Opening Date: On-going

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	70,000	72,000
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	\$54,000	\$56,000	\$58,000	\$60,000	\$62,000	\$64,000	\$66,000	\$68,000	\$70,000	\$72,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	54,000	56,000	58,000	60,000	62,000	64,000	66,000	68,000	70,000	72,000
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
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$54,000	\$56,000	\$58,000	\$60,000	\$62,000	\$64,000	\$66,000	\$68,000	\$70,000	\$72,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
Information Technology Infrastructure	\$0	\$225,000	\$310,000	\$505,000	\$274,000	\$282,000	\$380,000	\$239,000	\$308,000	\$319,000	\$394,000	\$0	\$3,236,000
On-line Permitting	\$0	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$275,000
Registrar Voting Equipment	\$0	\$0	\$361,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$361,000
Total	\$0	\$500,000	\$671,000	\$505,000	\$274,000	\$282,000	\$380,000	\$239,000	\$308,000	\$319,000	\$394,000	\$0	\$3,872,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	500,000	671,000	505,000	274,000	282,000	380,000	239,000	308,000	319,000	394,000
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
Proffers/Capital Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$500,000	\$671,000	\$505,000	\$274,000	\$282,000	\$380,000	\$239,000	\$308,000	\$319,000	\$394,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	175,000	183,000	184,000	184,000	189,000	190,000	190,000	190,000	190,000
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	\$175,000	\$183,000	\$184,000	\$184,000	\$189,000	\$190,000	\$190,000	\$190,000	\$190,000

INFORMATION TECHNOLOGY INFRASTRUCTURE

Total Project Cost: On-going

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.

A virtual desktop is an individual user's interface in a virtualized environment. The virtualized desktop is stored on a remote server rather than locally. Desktop virtualization software separates the physical machine from the software and presents an isolated operating system for users. The benefits include cost savings because resources can be shared, improved data integrity because the backup is centralized and more efficient use of resources and energy.



OPERATING IMPACT SUMMARY

There are no additional operating costs associated with this project.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Network Equipment Replacement	0	200,000	0	0	274,000	282,000	0	239,000	308,000	253,000	0
Server Replacement	0	25,000	0	27,000	0	0	30,000	0	0	66,000	0
Virtual Server Replacement	0	0	310,000	0	0	0	0	0	0	0	394,000
SAN Storage Replacement	0	0	0	0	0	0	350,000	0	0	0	0
Virtual Desktop	0	0	0	478,000	0	0	0	0	0	0	0
Total	\$0	\$225,000	\$310,000	\$505,000	\$274,000	\$282,000	\$380,000	\$239,000	\$308,000	\$319,000	\$394,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	225,000	310,000	505,000	274,000	282,000	380,000	239,000	308,000	319,000	394,000
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	\$225,000	\$310,000	\$505,000	\$274,000	\$282,000	\$380,000	\$239,000	\$308,000	\$319,000	\$394,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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
FY2016 Projects	
Network Equipment Replacement - Courthouse Building	200,000
Server Replacement	25,000
FY2016 Total	\$225,000
FY2017 Projects	
Virtual Server Cluster Replacement - Admin Center	155,000
Virtual Server Cluster Replacement - Public Safety Center	155,000
FY2017 Total	\$310,000
FY2018 Projects	
Virtual Desktop Project	478,000
Server Replacement	27,000
FY2018 Total	\$505,000
FY2019 Projects	
Network Equipment Replacement - Admin Center	274,000
FY2019 Total	\$274,000
FY2020 Projects	
Network Equipment Replacement - Public Safety Center	282,000
FY2020 Total	\$282,000
FY2021 Projects	
SAN Storage Replacement - Admin Center	175,000
SAN Storage Replacement - Public Safety Center	175,000
Server Replacement	30,000
FY2021 Total	\$380,000
FY2022 Projects	
Remote Site Network Equipment Replacement	239,000
FY2022 Total	\$239,000
FY2023 Projects	
Network Equipment Replacement - CORE Switches	308,000
FY2023 Total	\$308,000
FY2024 Projects	
Network Equipment Replacement - Courthouse Building	253,000
Server Replacement	66,000
FY2024 Total	\$319,000
FY2025 Projects	
Virtual Server Cluster Replacement - Admin Center	197,000
Virtual Server Cluster Replacement - Public Safety Center	197,000
FY2025 Total	\$394,000
Grand Total	\$3,236,000

On-Line Permitting

Total Project Cost: \$275,000

Est. Opening Date: 0

[Links to Board's Strategic](#)

- Supports the Boards Priority for Service Excellence

PROGRAM DESCRIPTION

ProjectDox is a web-based electronic plan and document software program that lets citizens and staff initiate and complete the plan submission, review and approval process online, rather than using our current manual, paper-based process. ProjectDox will intergrate with, and add to Hansen's capabilities. This project will reduce the County's paper cost, the expense to print blueprints and documents, which can cost the development community hundreds of dollars on big projects, and save staff numerous hours scanning all plans after they are approved. This project will also provide a faster approval time.

ProjectDox will drastically improve our customer service. Customers can upload plans and documents anytime of the day or night, from anywhere they have Internet access. They can obtain review status updates online which will reduce the amount of time staff now spends responding to phone calls. ProjectDox will be a shared system with Planning, Utilities and Public Works.

An additional addon to the ProjectDox is GIStream which is a Geographic Information System application that provides a wide range of mapping, addressing, parcel, route, demographic and environmental data. GIStream features, map and layer information allowing users to access data and associated project information directly from both ProjectDox and the GIStream Viewer.



OPERATING IMPACT SUMMARY

On going maintenance costs for the system could be supported by technology fees.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	100,000	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	175,000	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	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	275,000	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	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$275,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	175,000	175,000	175,000	175,000	180,000	180,000	180,000	180,000	180,000
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	\$175,000	\$175,000	\$175,000	\$175,000	\$180,000	\$180,000	\$180,000	\$180,000	\$180,000

Voter Equipment

Total Project Cost: \$361,000

Est. Opening Date: 0

[Links to Board's Strategic](#)

- Supports the Boards
Priority for Service
Excellence

PROGRAM DESCRIPTION

The electoral board has recommended that all 1980's era AccuVote OS (optical scan) equipment be replaced with the latest technology. The DS200 (digital scan) is the most current certified equipment available and is digital, fast, accurate and user friendly for both the voter and election officials. The DS200 eliminates most manual operations, will provide better accuracy and voter confidence and fully complies with Federal and State law.

In 2012 the County replaced all precinct handicap systems in accordance with General Assembly guidance. The equipment replaced are stand-alone systems that do not interface with the AccuVote OS system. In order to upgrade to the recommendation of the electoral board, all equipment will need to be replaced. The DS200 system includes ExpressVote equipment for ADA compliance.

The new systems includes digital paper ballot scanners with write-in vote capture and ballot boxes for each precinct, new digital voting devices in each precinct for handicapped and absentee voters, several spares, and associated support equipment.



OPERATING IMPACT SUMMARY

Annual recurring cost for software licensing and maintenance

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	361,000	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	\$0	\$0	\$361,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	361,000	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	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$361,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	8,000	9,000	9,000	9,000	10,000	10,000	10,000	10,000
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	\$8,000	\$9,000	\$9,000	\$9,000	\$10,000	\$10,000	\$10,000	\$10,000



PARKS, RECREATION AND COMMUNITY FACILITIES SUMMARY

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
Park at Embrey Mill - Phase 3	0	0	2,719,960	2,962,740	0	0	0	0	0	0	0	0	5,682,700
Duff McDuff Green Park	0	0	0	0	7,475,088	5,951,088	0	0	0	0	0	0	13,426,176
Patawomeck Park Phase 2	0	0	0	0	0	0	4,243,000	0	0	0	0	0	4,243,000
New and Renovated Park Amenities	0	0	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,336,000	0	12,000,000
Infrastructure	0	715,000	1,713,000	2,034,000	1,394,000	1,736,000	1,633,000	1,644,000	2,173,000	1,675,000	2,151,000	0	16,868,000
Total	0	715,000	5,765,960	6,329,740	10,202,088	9,020,088	7,209,000	2,977,000	3,506,000	3,008,000	3,487,000	0	52,219,876

Funding Sources	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	715,000	1,713,000	2,034,000	1,394,000	1,736,000	1,633,000	1,644,000	2,173,000	1,675,000	2,151,000
Bonds	0	0	4,052,960	4,295,740	8,808,088	7,284,088	5,576,000	1,333,000	1,333,000	1,333,000	1,336,000
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
Total	\$0	\$715,000	\$5,765,960	\$6,329,740	\$10,202,088	\$9,020,088	\$7,209,000	\$2,977,000	\$3,506,000	\$3,008,000	\$3,487,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	93,179	190,047	193,847	326,824	465,416	572,413	685,537	701,954
Operating	0	0	378,000	65,000	67,000	548,000	199,000	741,000	296,000	307,000
Debt Service	0	0	340,000	700,000	1,438,000	2,048,000	2,515,000	2,627,000	2,739,000	2,851,000
Debt Service Master Lease										
Revenue	0	0	(24,500)	(50,000)	(52,000)	(137,000)	(228,000)	(241,000)	(254,000)	(263,000)
Total	\$0	\$0	\$786,679	\$905,047	\$1,646,847	\$2,785,824	\$2,951,416	\$3,699,413	\$3,466,537	\$3,596,954

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE

Total Project Cost: \$16,868,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
HVAC/Energy Management	0	0	41,000	0	0	290,000	180,000	76,000	0	0	0
Roof Replacement/Repairs	0	0	160,000	256,000	0	0	0	0	0	0	1,042,000
Asphalt/Parking/Roads/Signs	0	434,000	488,000	656,000	697,000	0	0	431,000	698,000	0	0
ADA/Security/Master Plan	0	0	0	60,000	0	0	0	523,000	94,000	0	0
Building Replace/Repairs	0	93,000	0	0	0	0	717,000	0	760,000	1,432,000	0
Site Improvements/Fields/Trails	0	188,000	1,024,000	1,062,000	697,000	1,446,000	736,000	614,000	621,000	243,000	1,109,000
Total	\$0	\$715,000	\$1,713,000	\$2,034,000	\$1,394,000	\$1,736,000	\$1,633,000	\$1,644,000	\$2,173,000	\$1,675,000	\$2,151,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	715,000	1,713,000	2,034,000	1,394,000	1,736,000	1,633,000	1,644,000	2,173,000	1,675,000	2,151,000
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
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$715,000	\$1,713,000	\$2,034,000	\$1,394,000	\$1,736,000	\$1,633,000	\$1,644,000	\$2,173,000	\$1,675,000	\$2,151,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

FY2016 Projects

Shelton's Cottage siding and structural repair	93,000
Woodlands Pool resurfacing	175,000
Maintenance equipment covered storage building and fencing 1 site	13,000
Government Center Parking Lot Repairs Ph 2	434,000
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FY2016 Total	\$715,000

FY2017 Projects

Aquia Landing regrade parking lot and new fence	111,000
Pratt restroom/concession upgrades	214,000
Pratt & Brooks replace pavilions - 2	188,000
Woodlands pool bath house renovations	509,000
Brooks skate park resurface and upgrades	113,000
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
	<hr/>
	\$1,713,000

FY2018 Projects

Abel Lake pave entrance	28,000
Carl Lewis Community Center foundation repair	99,000
Curtis Park skate park upgrades	130,000
Willowmere install soccer field lights and landscaping - 2	260,000
Willowmere expand parking lot near soccer fields	628,000
Video surveillance systems in various parks	91,000
Curtis Park master plan	60,000
Smith Lake stadium for turf fields	289,000
Courthouse pressure wash and paint	117,000
Courthouse carpet replacement	46,000
Courthouse roof replacement	256,000
Courthouse; replace furniture	30,000
	<hr/>
FY2018 Total	\$ 2,034,000

FY2019 Projects

Duff Green resurface parking lot	197,000
Willowmere resurface parking lots	191,000
Duff Green overlook upgrade and expand trails	225,000
Willowmere rectangle field lights	450,000
Aquia Landing road improvements	309,000
Fire company stations carpet replacement 2, 10 & 12	22,000
	<hr/>
FY2019 Total	\$ 1,394,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE

FY2020 Projects

Replace fence at various diamond fields *	422,000
Smith Lake bleachers at turf fields - 4	282,000
Smith Lake Field #1 turf replacement	742,000
Public safety building air conditioner replacement	290,000
FY2020 Total	\$ 1,736,000

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
Administration building boiler replacement	180,000
Administration building flooring replacement	109,000
FY2021 Total	\$ 1,633,000

FY2022 Projects

St. Clair Brooks renovations	614,000
St. Clair Brooks repave parking lot	431,000
ADA accessibility upgrades to public facilities	523,000
Fire company stations HVAC replacements; 2, 10 & 12	76,000
FY2022 Total	\$ 1,644,000

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
Administration building pressure wash & paint exterior	221,000
Chichester building; pressure wash & paint exterior	158,000
Administration building paint interior	176,000
Chichester building paint interior	66,000
FY2023 Total	\$ 2,173,000

FY2024 Projects

The Counting House renovation	651,000
Duff McDuff Green house renovation	651,000
Furniture Replacement Courthouse	243,000
Garage/Storage Building	130,000
FY2024 Total	\$ 1,675,000

FY2025 Projects

Public Safety Building Roof	391,000
Fire & Rescue station roof; Aquia, 2, 10 & 12	651,000
Woodlands Pool resurfacing	197,000
Curits Park Pool resurfacing	261,000
Brooks shelter/restroom replacement	651,000
FY2025 Total	\$2,151,000
Grand Total	\$16,868,000

Park at Embrey Mill - Phase 3

Total Project Cost: \$5,682,700

Est. Opening Date: 2019

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

•Parks & Rec Commission Facilities Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008 and the Parks Utilization Plan (Phase 1 - Athletic Fields) completed in March 2014, identified numerous new construction and major renovation projects which will increase recreational opportunities. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This future park bond project proposes to build-out the park and could include: two full size, two U-8 size, and one U-10 sized grass, lighted, and irrigated rectangular athletic fields; a playground; two small restrooms; a covered storage building; a maintenance building; and parking. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

The annual operating impact includes one additional full time, two part time park maintenance workers required to maintain the additional fields. The level of care and maintenance of this new multi-field facility and the heavy use that is expected warrants the need for higher level of care than current park fields receive. Operating costs for the facility and utilities are partially offset by anticipated direct and indirect revenues from rental of the site for tournaments and revenue from concessions.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	43,000	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	2,433,600	2,693,400	0	0	0	0	0	0	0
Contingency	0	0	243,360	269,340	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,719,960	\$2,962,740	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	2,719,960	2,962,740	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
Total	\$0	\$0	\$2,719,960	\$2,962,740	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	93,179	190,047	193,847	197,760	201,791	205,943	210,220	214,625
Operating	0	0	378,000	65,000	67,000	69,000	71,000	73,000	75,000	77,000
Debt Service	0	0	228,000	476,000	476,000	476,000	476,000	476,000	476,000	476,000
Revenue/Savings	0	0	(24,500)	(50,000)	(52,000)	(53,000)	(55,000)	(57,000)	(58,000)	(60,000)
Total	\$0	\$0	\$674,679	\$681,047	\$684,847	\$689,760	\$693,791	\$697,943	\$703,220	\$707,625



Duff McDuff Green Park

Total Project Cost: \$13,426,176

Est. Opening Date: FY2021

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

•Parks & Rec Commission Facilities Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008 and the Parks Utilization Plan (Phase 1 - Athletic Fields) completed in March 2014, identified numerous new construction and major renovation projects which will increase recreational opportunities. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. This project proposes developing the approximately 125 acres of new parkland which was donated to the County in 2009 beside the existing Duff McDuff Green Park. A Conceptual plan for this site was prepared in 2013 and augments the amenities already constructed at the existing park. The future park bond project could include: 2 full size, lighted, synthetic turf fields, and 3 additional full size, lighted, irrigated rectangular fields, drainage improvements, entrance road, expanded parking, updated signage, trails, and a fenced district maintenance facility. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

The annual operating impact includes three additional full time, two part time, and two seasonal park maintenance workers required to maintain this large facility. Two concession workers are needed. The level of care and maintenance of this new multi-field facility and the heavy use that is expected warrants the need for higher level of care than current park fields receive. One time start up costs for additional equipment to maintain the property and two vehicles. Operating costs for the facility and utilities are partially offset by anticipated direct and indirect revenues from rental of the site for tournaments and revenue from concessions.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	1,524,000	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	5,410,080	5,410,080	0	0	0	0	0
Contingency	0	0	0	0	541,008	541,008	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$7,475,088	\$5,951,088	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	7,475,088	5,951,088	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
Total	\$0	\$0	\$0	\$0	\$7,475,088	\$5,951,088	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	129,064	263,625	269,286	275,117	281,123
Operating	0	0	0	0	0	479,000	128,000	132,000	135,000	140,000
Debt Service	0	0	0	0	626,000	1,124,000	1,124,000	1,124,000	1,124,000	1,124,000
Revenue/Savings	0	0	0	0	0	(84,000)	(173,000)	(178,000)	(184,000)	(189,000)
Total	\$0	\$0	\$0	\$0	\$626,000	\$1,648,064	\$1,342,625	\$1,347,286	\$1,350,117	\$1,356,123

Patawomeck Park Phase 2

Total Project Cost: \$4,243,000

Est. Opening Date: FY2022

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

•Parks & Rec Commission Facilities Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008 and the Parks Utilization Plan (Phase 1 - Athletic Fields) completed in March 2014, identified numerous new construction and major renovation projects which will increase recreational opportunities. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. Phase 1 of Patawomeck Park was constructed with 2001 park bond funds and included 2 rectangular fields, 2 diamond fields, a playground, and picnic shelter/restroom. Phase 2 of development of the park could include: 3 additional lighted, irrigated diamond fields, restrooms, expanded parking, updated signage, utility upgrades, and new trails. This project includes the project management required to implement.



OPERATING IMPACT SUMMARY

The annual operating impact includes three additional full time, two part time, and two seasonal park maintenance workers required to maintain this large facility. Two concession workers are needed. The level of care and maintenance of this new multi-field facility and the heavy use that is expected warrants the need for higher level of care than current park fields receive. One time start up costs for additional equipment to maintain the property and two vehicles. Operating costs for the facility and utilities are partially offset by anticipated direct and indirect revenues from rental of the site for tournaments and revenue from concessions.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	283,000	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	3,536,000	0	0	0	0
Contingency	0	0	0	0	0	0	424,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$4,243,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	4,243,000	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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$4,243,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	48,592	100,100	103,103
Operating	0	0	0	0	0	0	0	268,000	43,000	45,000
Debt Service	0	0	0	0	0	0	355,000	355,000	355,000	355,000
Revenue/Savings	0	0	0	0	0	0	0	(3,000)	(6,000)	(7,000)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$355,000	\$668,592	\$492,100	\$496,103

New and Renovated Park Amenities

Total Project Cost: \$12,000,000

Est. Opening Date: FY2018

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

•Parks & Rec Commission Facilities Plan

PROGRAM DESCRIPTION

The Parks Facilities Plan, approved November 5, 2008, the Parks Utilization Plan (Phase1) completed in 2014, and the Parks Utilization Plan (Phase 2) to be completed in 2015, identified numerous new construction and major renovation projects which will increase use of existing and provide other recreational opportunities. The proposed CIP anticipates future bond referendum(s) to address these projects beginning in FY17. The improvements funded by this project will provide much needed renovations to parking lots, playgrounds, picnic shelters, restrooms, trails, courts, skate parks, signage, and lights in various parks. It will also fund improved ADA accessibility of facilities in the parks. Many of the facilities in this project have come to the end of their useful life. Some amenities may have already been removed because of safety concerns. Wayfinding signage within parks is needed for patrons to know where the amenities in parks are. This project includes the project management required to implement.

OPERATING IMPACT SUMMARY

The annual operating impact may actually go down on some renovated facilities. Operating costs on new amenities won't be known until the specific amenities are determined. Operating costs for the facility and utilities may be offset by anticipated direct and indirect revenues from rental of the site for tournaments and revenue from concessions or other rentals.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	87,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000	87,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,137,000	1,137,000	1,137,000	1,137,000	1,137,000	1,137,000	1,137,000	1,137,000	1,140,000
Contingency	0	0	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000	109,000
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,336,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,333,000	1,336,000
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
Total	\$0	\$0	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,333,000	\$1,336,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	48,592	100,100	103,103
Operating	0	0	0	0	0	0	0	268,000	43,000	45,000
Debt Service	0	0	112,000	224,000	336,000	448,000	560,000	672,000	784,000	896,000
Revenue/Savings	0	0	0	0	0	0	0	(3,000)	(6,000)	(7,000)
Total	\$0	\$0	\$112,000	\$224,000	\$336,000	\$448,000	\$560,000	\$985,592	\$921,100	\$1,037,103

PUBLIC WORKS SUMMARY

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
Animal Shelter	0	400,000	5,348,000	0	0	0	0	0	0	0	0	0	5,748,000
Courthouse Addition	0	0	0	0	2,350,000	12,123,000	14,528,000	0	0	0	0	0	29,001,000
Library #4	0	0	0	0	0	0	0	0	0	0	1,000,000	15,765,000	16,765,000
Bike Trails	647,000	648,000	0	0	0	0	0	0	0	0	0	0	1,295,000
Belmont Ferry Farm Trail - Phase 6	0	75,000	925,000	0	0	0	0	0	0	0	0	0	1,000,000
Stormwater Compliance	0	630,000	630,000	630,000	2,273,000	2,424,000	2,432,000	2,449,000	2,457,000	2,486,000	2,486,000	0	18,897,000
Central Rappahannock Regional Library - Porter library renovation	0	0	372,000	0	0	0	0	0	0	0	0	0	372,000
Total	\$647,000	\$1,753,000	\$7,275,000	\$630,000	\$4,623,000	\$14,547,000	\$16,960,000	\$2,449,000	\$2,457,000	\$2,486,000	\$3,486,000	\$15,765,000	\$73,078,000

Funding Sources	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	1,030,000	1,002,000	630,000	2,273,000	2,424,000	2,432,000	2,449,000	2,457,000	2,486,000	2,486,000
Bonds	0	0	5,348,000	0	2,350,000	12,123,000	14,528,000	0	0	0	1,000,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	647,000	648,000	0	0	0	0	0	0	0	0	0
State/Federal	0	75,000	925,000	0	0	0	0	0	0	0	0
Total	\$647,000	\$1,753,000	\$7,275,000	\$630,000	\$4,623,000	\$14,547,000	\$16,960,000	\$2,449,000	\$2,457,000	\$2,486,000	\$3,486,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	51,000	52,000	54,000	55,000	57,000	1,130,000	1,163,000	1,198,000	1,234,000
Operating	0	69,000	185,000	161,000	199,000	239,000	746,000	593,000	639,000	675,000
Debt Service	0	0	448,000	448,000	645,000	1,659,000	2,875,000	2,875,000	2,875,000	2,875,000
Debt Service Master Lease										
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$120,000	\$685,000	\$663,000	\$899,000	\$1,955,000	\$4,751,000	\$4,631,000	\$4,712,000	\$4,784,000

Animal Shelter

Total Project Cost: \$5,748,000

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.



OPERATING IMPACT SUMMARY

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

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	400,000	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	4,875,000	0	0	0	0	0	0	0	0
Contingency	0	0	473,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$400,000	\$5,348,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	400,000	0	0	0	0	0	0	0	0	0
Bonds	0	0	5,348,000	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
Total	\$0	\$400,000	\$5,348,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	108,000	46,000	47,000	49,000	50,000	52,000	53,000	55,000
Debt Service	0	0	448,000	448,000	448,000	448,000	448,000	448,000	448,000	448,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$556,000	\$494,000	\$495,000	\$497,000	\$498,000	\$500,000	\$501,000	\$503,000

Courthouse Addition

Total Project Cost: \$29,001,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	2,350,000	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	12,123,000	12,131,000	0	0	0	0
Contingency	0	0	0	0	0	0	2,397,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$2,350,000	\$12,123,000	\$14,528,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	2,350,000	12,123,000	14,528,000	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
Total	\$0	\$0	\$0	\$0	\$2,350,000	\$12,123,000	\$14,528,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	1,071,000	1,103,000	1,136,000	1,170,000
Operating	0	0	0	0	0	0	469,000	276,000	284,000	293,000
Debt Service	0	0	0	0	197,000	1,211,000	2,427,000	2,427,000	2,427,000	2,427,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$197,000	\$1,211,000	\$3,967,000	\$3,806,000	\$3,847,000	\$3,890,000

Library #4

Total Project Cost: \$16,765,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	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	\$0	\$0	\$0	\$1,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

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.



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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	80,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	567,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	648,000	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	\$647,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	647,000	648,000	0	0	0	0	0	0	0	0	0
Total	\$647,000	\$648,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	75,000	300,000	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	569,000	0	0	0	0	0	0	0	0
Contingency	0	0	56,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	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
State/Federal	0	75,000	925,000	0	0	0	0	0	0	0	0
Total	\$0	\$75,000	\$925,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	51,000	52,000	54,000	55,000	57,000	59,000	60,000	62,000	64,000
Operating	0	31,000	2,000	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	\$82,000	\$54,000	\$56,000	\$57,000	\$59,000	\$61,000	\$62,000	\$64,000	\$66,000

Stormwater Compliance

Total Project Cost: \$18,897,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	630,000	630,000	630,000	2,273,000	2,424,000	2,432,000	2,449,000	2,457,000	2,486,000	2,486,000
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
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	\$630,000	\$630,000	\$630,000	\$2,273,000	\$2,424,000	\$2,432,000	\$2,449,000	\$2,457,000	\$2,486,000	\$2,486,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	630,000	630,000	630,000	2,273,000	2,424,000	2,432,000	2,449,000	2,457,000	2,486,000	2,486,000
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
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$630,000	\$630,000	\$630,000	\$2,273,000	\$2,424,000	\$2,432,000	\$2,449,000	\$2,457,000	\$2,486,000	\$2,486,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	38,000	75,000	113,000	150,000	188,000	225,000	263,000	300,000	325,000
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	\$38,000	\$75,000	\$113,000	\$150,000	\$188,000	\$225,000	\$263,000	\$300,000	\$325,000

Central Rappahannock Regional Library - Porter library renovation

Total Project Cost: \$372,000

Est. Opening Date: FY2016

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

- Supports the Boards Priorities for Services Excellence and Infrastructure

PROGRAM DESCRIPTION

The Porter Library opened in 1992. In 2014, an average of 1600 people visit the facility daily. Renovation and repurposing of existing public spaces is needed immediately to accommodate changing user needs. This repurposing project includes additional technology space, increased study seating, four quiet study cubicles, two small meeting rooms, and a media and new book marketing area.

The building has reached maximum electrical capacity and the service requires immediate upgrading. Additional power outlets for laptops and other devices will be added throughout the building as part of this upgrade. The technology infrastructure; including network and phone cabling, and rack equipment also require upgrading.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	372,000	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	\$0	\$0	\$372,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	372,000	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	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$372,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

TRANSPORTATION SUMMARY

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
(5) Route 610, Garrisonville Rd (PPTA)	7,567,739	6,197,739	0	0	0	0	0	0	0	0	0	0	13,765,478
(10) Route 652, Truslow Rd, West of I-95 (PPTA)	3,446,528	3,937,912	0	0	0	0	0	0	0	0	0	0	7,384,440
(1) Route 1, Jefferson Davis Hwy	0	0	0	0	100,000	0	567,079	0	567,079	0	0	65,842	1,300,000
(2) Route 616, Poplar Rd, south of Mountain View Rd	1,500,000	0	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	7,550,000	0	0	0	0	0	0	0	0	0	0	0	7,550,000
(6) Route 606, Ferry Rd	400,000	2,651,668	0	0	0	0	0	0	0	0	0	0	3,051,668
(15) Courthouse Road & Route 1 Intersection Improvements	600,000	0	2,000,000	0	0	0	0	0	0	0	0	0	2,600,000
(7) Route 630, Courthouse Rd: Cedar Lane to Winding Creek Rd	9,393,358	0	10,000,000	19,580,052	0	0	0	0	0	0	0	0	38,973,410
(8) Route 630, Courthouse Rd: Winding Creek Rd to Shelton Shop Rd	0	0	0	0	0	0	0	2,800,000	0	10,420,522	0	14,583,478	27,804,000
(12) Route 627, Mountain View Road Ext. to High School	3,680,700	0	0	0	0	0	0	0	0	0	0	0	3,680,700
(14) Streetscape Phase 2	0	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0	0	0	18,084,000
(16) Garrisonville Road & Route 1 Intersection Improvements	800,000	165,100	0	0	0	0	0	0	0	0	0	0	965,100
(18) Enon Road Improvements	950,000	0	2,679,500	0	0	0	0	0	0	0	0	0	3,629,500
(19) Butler Road	0	0	0	0	0	0	0	0	0	0	4,000,000	16,200,000	20,200,000
(20) Garrisonville Road Eustace Road to Shelton Shop Rd	0	0	0	0	3,000,000	14,000,000	11,400,000	0	0	0	0	0	28,400,000
(21) Eskimo Hill Road	0	0	750,000	0	3,300,000	0	3,300,000	0	0	0	0	0	7,350,000
(22) Leeland Road	0	0	0	0	0	0	500,000	0	2,000,000	0	2,500,000	0	5,000,000
(23) Shelton Shop Road	0	0	0	0	0	0	0	0	0	0	4,000,000	11,000,000	15,000,000
(25) Berea Church Road	0	480,000	300,000	0	0	4,112,068	0	0	0	0	0	0	4,892,068
(26) Tech Center Drive	0	0	0	2,600,000	0	0	0	0	0	0	0	0	2,600,000
(28) Route 608, Brooke Road, South of Eskimo Hill Road	6,500,000	714,900	0	0	0	0	0	0	0	0	0	0	7,214,900
(29) Route 616, Poplar Road, North of Truslow Road	2,687,300	0	0	0	0	0	0	0	0	0	0	0	2,687,300
Rt. 709 Capital Avenue Extended	0	0	0	0	0	0	0	0	0	0	5,330,000	0	5,330,000
Total	\$45,075,625	\$16,491,319	\$22,809,500	\$27,202,052	\$10,038,000	\$18,112,068	\$15,767,079	\$2,800,000	\$2,567,079	\$10,420,522	\$15,830,000	\$41,849,320	\$228,962,564

TRANSPORTATION SUMMARY

Funding Sources	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Later Years Funding	Total Project Cost
Bonds	2,807,563	4,706,189	0	9,507,743	0	0	250,000	1,400,000	1,000,000	5,210,261	10,580,000	20,891,739	56,353,495
Cash	0	0	0	2,575,000	0	0	0	0	0	0	0	0	2,575,000
Proffers	1,672,914	555,665	0	25,000	0	0	0	0	0	0	0	0	2,253,579
Service District Supported GO Debt*	5,870,478	0	0	0	0	14,200,000	0	0	0	0	0	0	20,070,478
Service District	995,000	0	0	1,109,966	0	0	0	0	0	0	0	0	2,104,966
Fuel Tax	8,813,113	4,323,791	0	0	0	0	0	0	0	0	0	0	13,136,904
Revenue Sharing	32,421,000	8,708,291	1,495,675	648,763	7,618,305	9,600,000	817,079	1,400,000	1,000,000	5,210,261	5,250,000	20,957,581	95,126,955
State/Federal	3,381,799	2,494,000	7,290,964	5,388,829	11,071,671	360,247	0	0	0	0	0	0	29,987,510
Impact Fees	838,177	100,000	100,000	1,515,500	1,600,000	1,600,000	1,600,000	0	0	0	0	0	7,353,677
Total Funding Sources Identified	56,800,044	20,887,936	8,886,639	20,770,801	20,289,976	25,760,247	2,667,079	2,800,000	2,000,000	10,420,522	15,830,000	41,849,320	228,962,564

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Debt Service	0	393,000	393,000	1,189,000	1,189,000	1,189,000	1,210,000	1,327,000	1,411,000	1,847,000
Service District Debt Service	491,238	491,238	491,238	491,238	491,238	1,679,484	1,679,484	1,679,484	1,679,484	1,679,484
	\$491,238	\$884,238	\$884,238	\$1,680,238	\$1,680,238	\$2,868,484	\$2,889,484	\$3,006,484	\$3,090,484	\$3,526,484

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	100,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	567,079	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	0	567,079	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	\$100,000	\$0	\$567,079	\$0	\$567,079	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	567,079	0	0	0	0
State/Federal	0	0	0	0	100,000	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	567,079	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$100,000	\$0	\$1,134,158	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	4,677,000	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	\$7,550,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	169,751	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	2,716,249	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	2,210,000	889,000	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	\$5,096,000	\$2,454,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	1,370,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	6,197,739	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	6,197,739	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	\$7,567,739	\$6,197,739	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$3,051,668

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	200,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,651,668	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	\$400,000	\$2,651,668	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	253,518	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	434,150	0	0	0	0	0	0	0	0	0
Revenue Sharing	561,823	964,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	838,177	0	0	0	0	0	0	0	0	0	0
Total	\$1,400,000	\$1,651,668	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$38,973,410

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	2,375,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	7,018,358	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	10,000,000	19,580,052	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	\$9,393,358	\$0	\$10,000,000	\$19,580,052	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	2,807,563	0	0	9,507,743	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	249,371	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	1,764,546	0	0	0	0	0	0	0	0	0
Revenue Sharing	12,564,677	1,776,000	0	0	0	0	0	0	0	0	0
State/Federal	2,031,799	0	210,964	366,829	7,333,671	360,247	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$17,653,410	\$3,540,546	\$210,964	\$9,874,572	\$7,333,671	\$360,247	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	796,000	796,000	796,000	796,000	796,000	796,000	796,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$796,000	\$796,000	\$796,000	\$796,000	\$796,000	\$796,000	\$796,000

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. Completes improvements to Courthouse Road from I-95 to Shelton Shop Road. Costs include preliminary engineering and right-of-way acquisition and construction.

OPERATING IMPACT SUMMARY

A 2008 Transportation Bond project, although bond authority will have expired, requiring another referendum. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	2,800,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	10,420,522	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	\$2,800,000	\$0	\$10,420,522	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	0	0	0	0	0	0	1,400,000	0	5,210,261	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	1,400,000	0	5,210,261	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	\$2,800,000	\$0	\$10,420,522	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	117,000	117,000	553,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$117,000	\$117,000	\$553,000

ROUTE 652, TRUSLOW ROAD, WEST OF I-95

Total Project Cost: \$7,384,440

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	3,937,912	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	\$3,446,528	\$3,937,912	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	559,384	0	0	0	0	0	0	0	0	0
Revenue Sharing	3,133,500	0	558,000	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
Total	\$5,916,056	\$910,384	\$558,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

ROUTE 627, MOUNTAIN VIEW ROAD EXTENSION

Total Project Cost: \$3,680,700

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	3,030,700	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	\$3,680,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	115,700	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,000,000	524,291	390,709	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	\$639,991	\$390,709	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 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

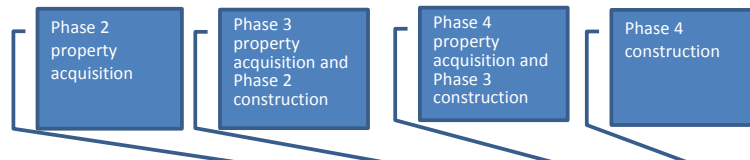
PROGRAM DESCRIPTION

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	2,344,000	4,023,000	753,000	0	0	0	0	0	0	0
Construction / Project	0	0	3,057,000	4,269,000	3,638,000	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,344,000	7,080,000	5,022,000	3,638,000	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,344,000	\$7,080,000	\$5,022,000	\$3,638,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	31,000	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	\$31,000	\$31,000	\$31,000	\$73,000	\$110,000	\$110,000	\$110,000	\$110,000

ROUTE 1 COURTHOUSE ROAD INTERSECTION IMPROVEMENT

Total Project Cost: \$2,600,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	600,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	2,000,000	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	\$600,000	\$0	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	162,720	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	137,280	848,000	0	0	0	0	0	0	0	0	0
Revenue Sharing	300,000	1,152,000	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	\$600,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$965,100

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	100,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	100,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	600,000	165,100	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	\$800,000	\$165,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	201,297	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	281,803	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	100,000	382,000	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	\$583,100	\$382,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

ENON ROAD & ROUTE 1 IMPROVEMENTS

Total Project Cost: \$3,629,500

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	750,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,679,500	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	\$950,000	\$0	\$2,679,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	575,000	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,400,000	414,000	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	100,000	0	1,140,500	0	0	0	0	0	0	0
Total	\$1,975,000	\$514,000	\$0	\$1,140,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	0	0	2,000,000
#REF!	0	0	0	0	0	0	0	0	0	0	2,000,000
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	\$0	\$0	\$4,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	0	0	0	0	0	0	0	0	0	2,000,000
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
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	2,000,000
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	3,000,000	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	14,000,000	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	11,400,000	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	\$3,000,000	\$14,000,000	\$11,400,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	14,200,000	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	4,600,000	9,600,000	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	4,600,000	23,800,000	0	0	0	0	0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	750,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	3,300,000	0	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	\$750,000	\$0	\$3,300,000	\$0	\$3,300,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	100,000	556,695	3,018,305	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	375,000	1,600,000	567,079	1,032,921	0	0	0	0
Total	0	0	200,000	931,695	4,618,305	567,079	1,032,921	0	0	0	0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	500,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	2,000,000	0	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	2,500,000
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	\$500,000	\$0	\$2,000,000	\$0	\$2,500,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	0	0	0	0	0	250,000	0	1,000,000	0	1,250,000
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	250,000	0	1,000,000	0	1,250,000
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	0	0	0	0	0	0	500,000	0	2,000,000	0	2,500,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	21,000	21,000	105,000	105,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$21,000	\$21,000	\$105,000	\$105,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	0	0	1,500,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	2,500,000
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	\$0	\$0	\$4,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	0	0	0	0	0	0	0	0	0	2,000,000
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	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	2,000,000
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	0	0	0	0	0	0	0	0	0	0	4,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	480,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	300,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	4,112,068	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	\$480,000	\$300,000	\$0	\$0	\$4,112,068	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	302,147	0	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	1,109,966	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	2,251,000	103,966	92,068	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	1,032,921	0	0	0	0	0
Total	\$0	\$2,553,147	\$103,966	\$1,202,034	\$0	\$1,032,921	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,600,000	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	\$0	\$0	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	2,575,000	0	0	0	0	0	0	0
Proffers	0	0	0	25,000	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	\$2,600,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 608, Brooke Road, South of Eskimo Hill Road

Total Project Cost: \$7,214,900

Est. Opening Date: FY16

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

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

PROGRAM DESCRIPTION

Reconstruction of Brooke Road from 0.64 miles south of Eskimo Hill Road to 2.44 miles south of Eskimo Hill 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	650,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	2,925,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	2,925,000	714,900	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	\$6,500,000	\$714,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Bonds	0	2,790,189	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	3,400	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	456,600	357,711	0	0	0	0	0	0	0	0	0
Revenue Sharing	3,251,000	356,000	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	\$3,711,000	\$3,503,900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	233,000	233,000	233,000	233,000	233,000	233,000	233,000	233,000	233,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$233,000	\$233,000	\$233,000	\$233,000	\$233,000	\$233,000	\$233,000	\$233,000	\$233,000

Route 616, Poplar Road, North of Truslow Road

Total Project Cost: \$2,687,300

Est. Opening Date: FY16

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

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

PROGRAM DESCRIPTION

Reconstruct Poplar Road from 0.10 miles north of Truslow Road to 0.50 miles north of Truslow 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	311,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	844,000	0	0	0	0	0	0	0	0	0	0
Construction / Project	1,532,300	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	\$2,687,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,100,000	244,300	0	0	0	0	0	0	0	0	0
Revenue Sharing	1,000,000	0	343,000	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
Total	\$2,100,000	\$244,300	\$343,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$5,330,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Future Years
Planning/Design	0	0	0	0	0	0	0	0	0	0	975,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	130,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	4,225,000	0
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	\$5,330,000	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Future Funding
Bonds	0	0	0	0	0	0	0	0	0	0	5,330,000	
Current Revenue	0	0	0	0	0	0	0	0	0	0	0	0
Proffers												
S D Supported GO Debt*	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	\$5,330,000	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period	Later Years Funding	Total Project Cost
New Construction	62,100,000	4,000,000	0	0	0	0	0	0	3,000,000	34,107,000	35,607,000	76,714,000	86,987,000	225,801,000
Renewal - Additions - Renovations	3,500,000	15,035,000	15,989,000	14,674,000	12,760,000	11,760,000	1,000,000	0	0	1,000,000	10,000,000	82,218,000	4,486,000	90,204,000
Support Facilities - New/Renovations	0	0	0	0	0	0	750,000	5,887,000	0	0	0	6,637,000	0	6,637,000
Capital Maintenance	0	9,837,000	8,945,000	8,700,000	9,140,000	9,920,000	8,530,000	10,005,000	11,575,000	12,065,000	11,810,000	100,527,000	0	100,527,000
Total	\$65,600,000	\$28,872,000	\$24,934,000	\$23,374,000	\$21,900,000	\$21,680,000	\$10,280,000	\$15,892,000	\$14,575,000	\$47,172,000	\$57,417,000	\$266,096,000	\$91,473,000	\$423,169,000

Funding Sources	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total
Construction Bond Funded Projects	18,535,000	15,989,000	14,674,000	12,760,000	11,760,000	1,750,000	3,896,000	3,000,000	35,107,000	45,607,000	163,078,000
Construction Cash Funded Projects	0	0	0	0	0	0	1,991,000	0	0	0	1,991,000
Total Construction Projects	\$18,535,000	\$15,989,000	\$14,674,000	\$12,760,000	\$11,760,000	\$1,750,000	\$5,887,000	\$3,000,000	\$35,107,000	\$45,607,000	\$165,069,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	1,350,000	0	0	0	0	0	0	0	0	0	1,350,000
State Federal	1,200,000	0	0	0	0	0	0	0	0	0	1,200,000
Infrastructure Bond Funded	3,700,000	4,050,000	2,900,000	3,200,000	3,655,000	2,200,000	3,400,000	4,900,000	5,135,000	4,700,000	37,840,000
Infrastructure Cash Funded	4,087,000	4,895,000	5,800,000	5,940,000	6,265,000	6,330,000	6,605,000	6,675,000	6,930,000	7,110,000	60,637,000
Total School Projects	\$28,872,000	\$24,934,000	\$23,374,000	\$21,900,000	\$21,680,000	\$10,280,000	\$15,892,000	\$14,575,000	\$47,172,000	\$57,417,000	\$266,096,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	1,120,000	1,759,000	1,829,000	1,902,000	1,978,000	2,057,000	2,139,000	2,225,000	2,314,000
Operating	0	646,000	1,118,000	1,182,000	1,210,000	1,258,000	1,308,000	1,383,000	1,439,000	1,496,000
Debt Service	0	1,862,000	3,539,000	5,010,000	6,346,000	7,636,000	7,967,000	8,578,000	9,239,000	12,607,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$3,628,000	\$6,416,000	\$8,021,000	\$9,458,000	\$10,872,000	\$11,332,000	\$12,100,000	\$12,903,000	\$16,417,000

SCHOOLS SUMMARY - BOND FUNDED PROJECTS

Projects	Current Year Cost	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total This Period
Stafford High School		4,000,000	0	0	0	0	0	0	0	0	0	63,481,000
Moncure Elementary Rebuild	0	800,000	8,673,000	13,674,000	1,000,000	0	0	0	0	0	0	24,147,000
Ferry Farm Elementary Rebuild	22,673,000	0	0	1,000,000	11,760,000	11,760,000	1,000,000	0	0	0	0	25,520,000
Elementary #18	36,185,000	0	0	0	0	0	0	0	0	0	1,000,000	1,000,000
Middle School #9	36,485,000	0	0	0	0	0	0	0	0	0	500,000	47,346,000
High School #6	81,487,000	0	0	0	0	0	0	0	3,000,000	34,107,000	34,107,000	106,321,000
Brooke Point HS Addition		6,761,000	0	0	0	0	0	0	0	0	0	7,511,000
Mt. View HS Addition		450,000	7,316,000	0	0	0	0	0	0	0	0	8,066,000
Colonial Forge HS Addition		6,524,000	0	0	0	0	0	0	0	0	0	7,274,000
Hartwood Elementary Renovation	10,829,000	0	0	0	0	0	0	0	0	1,000,000	10,000,000	14,486,000
Fleet Services	3,244,500	0	0	0	0	0	750,000	3,896,000	0	0	0	4,646,000
Infrastructure		3,700,000	4,050,000	2,900,000	3,200,000	3,655,000	2,200,000	3,400,000	4,900,000	5,135,000	4,700,000	37,840,000
Total	\$190,903,500	\$22,235,000	\$20,039,000	\$17,574,000	\$15,960,000	\$15,415,000	\$3,950,000	\$7,296,000	\$7,900,000	\$40,242,000	\$50,307,000	\$347,638,000

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	1,120,000	1,759,000	1,829,000	1,902,000	1,978,000	2,057,000	2,139,000	2,225,000	2,314,000
Operating	0	646,000	1,118,000	1,182,000	1,210,000	1,258,000	1,308,000	1,383,000	1,439,000	1,496,000
Debt Service	0	1,862,000	3,539,000	5,010,000	6,346,000	7,636,000	7,967,000	8,578,000	9,239,000	12,607,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$3,628,000	\$6,416,000	\$8,021,000	\$9,458,000	\$10,872,000	\$11,332,000	\$12,100,000	\$12,903,000	\$16,417,000

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 January/February 2016.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	52,249,000	4,000,000	0	0	0	0	0	0	0	0	0
Hardware/Software	1,538,000	0	0	0	0	0	0	0	0	0	0
Equipment	2,185,000	0	0	0	0	0	0	0	0	0	0
Contingency	2,688,000	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$62,100,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	2,619,000	0	0	0	0	0	0	0	0	0	0
Bonds	59,481,000	4,000,000	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	0	0	0	0	0	0	0	0	0	0	0
Total	\$62,100,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	335,000	335,000	335,000	335,000	335,000	335,000	335,000	335,000	335,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$335,000	\$335,000	\$335,000	\$335,000	\$335,000	\$335,000	\$335,000	\$335,000	\$335,000

REBUILD MONCURE ELEMENTARY SCHOOL

Total Project Cost: \$25,847,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

Construct a 950 student elementary school for grades K through 5 to replace the existing Moncure Elementary. The Rebuild Moncure Elementary School Project will include the construction of the school building (\$180/SF), the development of the site, including part of Juggins Road and additional parking for buses, all planning & design requirements, all 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, including pursuing LEED Silver Certification. Site location will be located off Juggins Road. In order to open the new Moncure Elementary School in September 2018 the following milestones must be achieved: Design must start no later than October 2015 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 School Board/Board of Supervisors approved MOU.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	800,000	577,000	0	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	8,096,000	12,085,000	1,000,000	0	0	0	0	0	0
Hardware/Software	0	0	0	424,000	0	0	0	0	0	0	0
Equipment	0	0	0	530,000	0	0	0	0	0	0	0
Contingency	0	0	0	635,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,700,000	\$800,000	\$8,673,000	\$13,674,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	1,700,000	0	0	0	0	0	0	0	0	0	0
Bonds	0	800,000	8,673,000	13,674,000	1,000,000	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
Total	\$1,700,000	\$800,000	\$8,673,000	\$13,674,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	67,000	793,000	1,937,000	2,021,000	2,021,000	2,021,000	2,021,000	2,021,000	2,021,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$67,000	\$793,000	\$1,937,000	\$2,021,000	\$2,021,000	\$2,021,000	\$2,021,000	\$2,021,000	\$2,021,000

REBUILD FERRY FARM ELEMENTARY SCHOOL

Total Project Cost: \$25,520,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

Construct a 950 student elementary school for grades K through 5 to replace the existing Ferry Farm Elementary School. The Rebuild Ferry Farm Elementary School Project will include construction of the school building (\$180/SF) on the existing campus, the development of the site, including demolition of the existing building and site, all planning & design requirements, all 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, including pursuing a LEED silver certification. Rebuild will be sited on the existing Ferry Farm Campus 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 of Ferry Farm Elementary School in September 2020, the following milestones must be achieved: Design must start no later than October 2017 and be completed no later than November 2018. School and site development must start March 2019 and building must be complete by May 2020. Existing Ferry Farm Elementary School and parking will be demolished start July/August 2020 and be completed by April 2022.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	1,000,000	442,000	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	11,318,000	9,873,000	1,000,000	0	0	0	0
Hardware/Software	0	0	0	0	0	666,000	0	0	0	0	0
Equipment	0	0	0	0	0	555,000	0	0	0	0	0
Contingency	0	0	0	0	0	666,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,000,000	\$11,760,000	\$11,760,000	\$1,000,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	1,000,000	11,760,000	11,760,000	1,000,000	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
Total	\$0	\$0	\$0	\$1,000,000	\$11,760,000	\$11,760,000	\$1,000,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	84,000	1,068,000	2,052,000	2,136,000	2,136,000	2,136,000	2,136,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$84,000	\$1,068,000	\$2,052,000	\$2,136,000	\$2,136,000	\$2,136,000	\$2,136,000

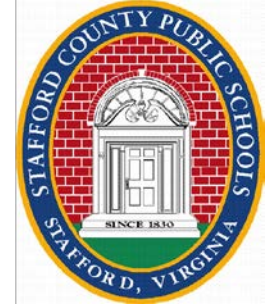
ELEMENTARY SCHOOL #18

Total Project Cost: \$32,319,000

Est. Opening Date: 2028

PROGRAM DESCRIPTION

Construct a 950 student elementary for grades K through 5. ES#18 will include the construction of the school building (\$180S/SF), development of the site, all planning and design requirements, all support furnishing, furniture and equipment and technology infrastructure. ES #18 will be constructed will accommodate 950 students, The school construction will follow the SCPS Elementary Education Specifications. The school will adhere to SCPS Facility Design Standards including pursuing LEED Silver certification. Site location is currently identified in the Embrey Mill Subdivision on land proffered to Stafford County Public Schools by the developer. In order to open ES #18 in September 2028, the following milestones must be achieved. Design must be started by May 2025 and completed no later than June 2026. School & site development must start November 2026 and complete by May 2028.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	1,000,000
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	\$1,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$56,168,000

Est. Opening Date: 2028

PROGRAM DESCRIPTION

Construct an 1100 student elementary school for grades 6 through 8. A new middle school will be needed to accommodate student growth projected in the County. Middle School #9 will include the construction of the school building (\$180SF), the development of the site, all planning and design requirements, all support furnishings, furniture & equipment and technology infrastructure. The school will be constructed with classrooms and core facilities to accommodate 1100 students and follow the Stafford County Public Schools Middle School Education Specification. The school will adhere to the Stafford County Public Schools Facility Design Standards including pursuing LEED silver certification. Site location is TBD. In order to open Middle School #9 in September 2028, the following milestones must be achieved: Design must start no later than Sept 2025 and be completed no later than Sept 2026. School and site development must start November 2026 and be complete by May 2028.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

High School #6

Total Project Cost: \$106,321,000

Est. Opening Date: 2026

PROGRAM DESCRIPTION

Construct a 2000 student high school for grades 9 through 12. A new high school will be needed to accommodate student growth projected in the County. HS #6 will include the construction of the school building, the development of the site including all athletic fields, outbuildings, SWM, parking lots and service roads, all planning and design requirements, all support furnishing, furniture and equipment and 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 including pursuing LEED Silver certification. Site location is currently identified for the Westlake Subdivision on land proffered to Stafford County Public Schools by the developer. In order to open High School #6 in September 2026 the following milestones must be achieved: Design must start no later than September 2022 and be completed no later than November 2023. School and site development must start no later than March 2024 and be completed no later than May 2026. Total SF 281,653 @ \$180/SF and includes site work. Site work is approximately \$15M.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	3,000,000	5,574,000	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	28,533,000	34,107,000
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	\$3,000,000	\$34,107,000	\$34,107,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	3,000,000	34,107,000	34,107,000
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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$34,107,000	\$34,107,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	251,000	3,105,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$251,000	\$3,105,000

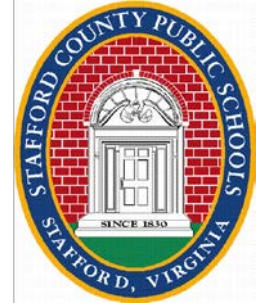
Addition - (Classroom, PE/Health & Fine Arts) - Brooke Point High School

Total Project Cost: \$7,511,000

Est. Opening Date: 2016

PROGRAM DESCRIPTION

Project includes the construction of classroom, PE/Health, & Fine Arts additions and Renovation of Culinary Arts area and Library 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 and the addition of a third fine arts suite for orchestra. Renovations include Library and Culinary Arts.



OPERATING IMPACT SUMMARY

Operating impact includes funding for 8 new teachers and additional energy costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	511,000	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	239,000	5,772,000	0	0	0	0	0	0	0	0	0
Hardware/Software	0	138,000	0	0	0	0	0	0	0	0	0
Equipment	0	198,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	653,000	0	0	0	0	0	0	0	0	0
Total	\$750,000	\$6,761,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	750,000	6,761,000	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	0	0	0	0	0	0	0	0	0	0	0
Total	\$750,000	\$6,761,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	571,000	594,000	617,000	642,000	668,000	694,000	722,000	751,000	781,000
Operating	0	322,000	322,000	334,000	348,000	362,000	376,000	391,000	407,000	423,000
Debt Service	0	566,000	566,000	566,000	566,000	566,000	566,000	566,000	566,000	566,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,459,000	\$1,482,000	\$1,517,000	\$1,556,000	\$1,596,000	\$1,636,000	\$1,679,000	\$1,724,000	\$1,770,000

Addition - (Classroom, PE/Health, 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/Health, & 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 additions will include six (6) additional classrooms, an expansion of the PE Department with two (2) classrooms, an expanded wellness room and the addition of a third fine arts suite for orchestra and drama classrooms. There will also be the addition of a security vestibule at the Main Entrance.



OPERATING IMPACT SUMMARY

Operating impact includes funding for 8 new teachers and additional energy costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	300,000	333,000	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	117,000	6,210,000	0	0	0	0	0	0	0	0
Hardware/Software	0	0	171,000	0	0	0	0	0	0	0	0
Equipment	0	0	245,000	0	0	0	0	0	0	0	0
Contingency	0	0	690,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$300,000	\$450,000	\$7,316,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	300,000	450,000	7,316,000	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
Total	\$300,000	\$450,000	\$7,316,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	594,000	618,000	642,000	668,000	695,000	722,000	751,000	781,000
Operating	0	0	472,000	511,000	511,000	531,000	552,000	574,000	597,000	621,000
Debt Service	0	38,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$38,000	\$1,716,000	\$1,779,000	\$1,803,000	\$1,849,000	\$1,897,000	\$1,946,000	\$1,998,000	\$2,052,000

Addition - (Classroom, PE/Health, 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/Health, & Fine Arts and security vestibule additions at Colonial Forge High School. The addition will increase the student design capacity from 1800 students to 2000 students. Mountain View Additions additions will include six (6) additional classrooms, an expansion of the PE Department with two (2) classrooms, an expanded wellness room and the addition of a third fine arts suite for orchestra and drama classrooms. There will also be the addition of a security vestibule at the Main Entrance.



OPERATING IMPACT SUMMARY

Operating impact includes funding for 8 new teachers and additional energy costs.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	608,000	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	142,000	5,942,000	0	0	0	0	0	0	0	0	0
Hardware/Software	0	164,000	0	0	0	0	0	0	0	0	0
Equipment	0	236,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	682,000	0	0	0	0	0	0	0	0	0
Total	\$750,000	\$7,024,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	750,000	6,524,000	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	0	500,000	0	0	0	0	0	0	0	0	0
Total	\$750,000	\$7,024,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	549,000	571,000	594,000	618,000	642,000	668,000	695,000	723,000	752,000
Operating	0	324,000	324,000	337,000	351,000	365,000	380,000	395,000	411,000	427,000
Debt Service	0	546,000	546,000	546,000	546,000	546,000	546,000	546,000	546,000	546,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,419,000	\$1,441,000	\$1,477,000	\$1,515,000	\$1,553,000	\$1,594,000	\$1,636,000	\$1,680,000	\$1,725,000

RENOVATION - HARTWOOD ELEMENTARY SCHOOL (2025 - 2026)

Total Project Cost: \$14,486,000

Est. Opening Date: 2026

PROGRAM DESCRIPTION

Level 3 Renovation of Hartwood ES will include an upgrade and modernization to the following building systems: 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, Library expansion and lighting. No capacity expansion is planned. Renovation will follow Stafford County Public Schools Elementary Education Specification and adhere to the Stafford County Public Schools Facility Design Standards. *Assumes supporting County project to install water and possibly sewer to the Hartwood ES is completed by FY 2024. **Modular cost includes delivery, set up, and installation of up to ten (10) modulares, site work, permits and systems set up. Modulares to provide swing space to relocate students. Modulares will be leased and included as part of the project cost. Renovation cost is \$140/SF



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	10,000,000
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	\$1,000,000	\$10,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	10,000,000
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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$10,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

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 was completed, however, demolition of existing fueling building will be included in this project. Project design would start in FY20 with Construction starting in FY 21. County is responsible for 30% of the cost of this project. Schools portion is 70%.



OPERATING IMPACT SUMMARY

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PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	413,000	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	337,000	5,176,000	0	0	0
Hardware/Software	0	0	0	0	0	0	0	220,000	0	0	0
Equipment	0	0	0	0	0	0	0	276,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	215,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	1,991,000	0	0	0
Bonds	0	0	0	0	0	0	750,000	3,896,000	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
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000	\$5,887,000	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	23,000	24,000	25,000
Debt Service	0	0	0	0	0	0	63,000	389,000	389,000	389,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$63,000	\$412,000	\$413,000	\$414,000

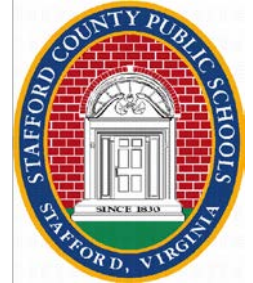
CAPITAL MAINTENANCE - INFRASTRUCTURE

Total Project Cost: \$100,527,000

Est. Opening Date: 2016 - 2025

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
School Site Improvements	0	3,387,000	5,970,000	4,670,000	3,730,000	2,295,000	2,580,000	5,705,000	5,125,000	9,865,000	3,610,000
Pavement	0	2,250,000	1,715,000	1,350,000	1,100,000	1,850,000	2,350,000	450,000	1,500,000	550,000	450,000
Environmental Upgrades	0	3,750,000	1,110,000	2,200,000	3,500,000	2,955,000	1,800,000	1,050,000	2,000,000	1,500,000	3,200,000
Roof Replace/Repair	0	450,000	150,000	480,000	810,000	2,820,000	1,800,000	2,800,000	2,950,000	150,000	4,550,000
Total	\$0	\$9,837,000	\$8,945,000	\$8,700,000	\$9,140,000	\$9,920,000	\$8,530,000	\$10,005,000	\$11,575,000	\$12,065,000	\$11,810,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	4,087,000	4,895,000	5,800,000	5,940,000	6,265,000	6,330,000	6,605,000	6,675,000	6,930,000	7,110,000
Bonds	0	3,700,000	4,050,000	2,900,000	3,200,000	3,655,000	2,200,000	3,400,000	4,900,000	5,135,000	4,700,000
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	0	850,000	0	0	0	0	0	0	0	0	0
State/Federal	0	1,200,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$9,837,000	\$8,945,000	\$8,700,000	\$9,140,000	\$9,920,000	\$8,530,000	\$10,005,000	\$11,575,000	\$12,065,000	\$11,810,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	310,000	649,000	892,000	1,160,000	1,466,000	1,650,000	1,935,000	2,345,000	2,775,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$310,000	\$649,000	\$892,000	\$1,160,000	\$1,466,000	\$1,650,000	\$1,935,000	\$2,345,000	\$2,775,000

CAPITAL MAINTENANCE - INFRASTRUCTURE

School Site Improvements

FY2016 Projects	Project Amount	Funding Source
Repair Athletic Fields (Turf) - MVHS	\$850,000	Proffer
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Upgrade Security Alarms - Various Locations	\$65,000	Current Revenue
Install Blinds Int Doors/Windows - All Schools	\$160,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$150,000	Current Revenue
Repair Phone Systems; VOIP Phase I	\$100,000	Current Revenue
Repair Playground and Play Areas - WES & FES	\$170,000	Current Revenue
Repair Sound System - BPHS & AGWMS	\$45,000	Current Revenue
Upgrade Electrical Swith Gear - Various Locations	\$150,000	Current Revenue
Repair Media Retrieval, Phone & PA System - WCES	\$200,000	Current Revenue
Upgrade Water and WW Facilities - HES	\$225,000	Current Revenue
Install Repeaters at HS (Security)	\$25,000	Current Revenue
Replace Generator - HHPMS	\$400,000	Current Revenue
Repair Bathroom Partitions - HHPMS	\$102,000	Current Revenue
Construct Music Room Sound Wall - RTMS	\$25,000	Current Revenue
Replace Walk-In Freezer & Refrigerators - AGWMS/GES	\$50,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Install Scoreboards	\$15,000	Current Revenue
Repair Athletic Fields (Phase I) - AGWMS & DMS	\$205,000	Current Revenue
Install Whiteboards - Multiple Locations	\$50,000	Current Revenue
Install Arc Flash (Phase II)	<u>\$100,000</u>	Current Revenue
FY2016 Total	\$3,387,000	
FY2017 Projects	Project Amount	Funding Source
Repair Gym Floor & Bleachers - NSHS	\$950,000	Bond
Repair Interior Finishes - AGWMS/GES	\$2,100,000	Bond
Upgrades CTE Labs	\$200,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$180,000	Current Revenue
Replace Storage Building - CFHS, HES, HOES, RES, RRES & BPHS (FH)	\$265,000	Current Revenue
Repair Stadium Sound System - NSHS	\$100,000	Current Revenue
Repair Foundation (Waterproofing) - AYBAC	\$250,000	Current Revenue
Repair Bathroom Floor - ABES	\$60,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Repair Grounds - DSMS	\$50,000	Current Revenue
Repair Field Drainage - MS & HS	\$140,000	Current Revenue
Replace Lockers - SMS	\$150,000	Current Revenue
Repair Phone Systems - VOIP Phase II	\$125,000	Current Revenue
Media Retrieval & PA Systems - PRES	\$150,000	Current Revenue
Install Messaging Marquee - CES (Manual)	\$50,000	Current Revenue
Replace Walk-In Freezer & Refrigerators - DMS & NSHS	\$100,000	Current Revenue
Repair Stage Rigging & Curtains - Phase II	\$150,000	Current Revenue
Install Scoreboards	\$20,000	Current Revenue
Repair Playground and Play Areas - ES	\$80,000	Current Revenue
Upgrade Fire Alarm Panel - HHPMS	\$150,000	Current Revenue
Replace Generator - HOES	\$400,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	<u>\$250,000</u>	Current Revenue
FY2017 Total	\$5,970,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2018 Projects	Project Amount	Funding Source
Repair Gym Floor & Bleachers - AGWMS	\$1,000,000	Bond
Repair Interior Finishes - HHPMS	\$1,400,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Walk-In Freezer & Refrigerators - WES & RES	\$100,000	Current Revenue
Replace Windows and Doors (PDC) - AYBAC	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Construct Storage Buildings - GMS, WCES, KWBES, & AYBAC	\$170,000	Current Revenue
Install Messaging Marquee - RTMS	\$50,000	Current Revenue
Replace Generator - RES	\$400,000	Current Revenue
Upgrade Fire Alarm Panel - AGWMS/GES	\$250,000	Current Revenue
Repair Field Drainage - MS & HS	\$200,000	Current Revenue
Repair Stage Rigging & Curtains - Phase III	\$200,000	Current Revenue
Repair Exterior (Paint) - Two (2) schools	\$200,000	Current Revenue
Repair Phone Systems - VOIP Phase III	<u>\$150,000</u>	Current Revenue
FY2018 Total	\$4,670,000	
FY2019 Projects	Project Amount	Funding Source
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Phone Systems - VOIP Phase IV	\$140,000	Current Revenue
Repair Athletic Fields Phase II - HHPMS, AGWMS & RTMS	\$300,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$220,000	Current Revenue
Repair Stormwater Management - Various	\$300,000	Current Revenue
Replace Walk-In Freezer & Refrigerators - PRES	\$50,000	Current Revenue
Install Messaging Marquees - AGWMS/GES/RES (Manual)	\$50,000	Current Revenue
Replace Generator - WES	\$400,000	Current Revenue
Replace Media Retrieval & PA Systems - GMS	\$150,000	Current Revenue
Replace Generator - PRES	\$400,000	Current Revenue
Repair Exterior Envelope - AYBAC	\$350,000	Current Revenue
Construct Storage Buildings - ABES & DSMS	\$150,000	Current Revenue
Upgrade CTE Labs	\$200,000	Current Revenue
Replace Generator - Maintenance Complex	\$150,000	Current Revenue
Construct MS Exterior Bleachers - DSMS	\$300,000	Current Revenue
Replace Media Retrieval & PA Systems- KWBES	\$120,000	Current Revenue
Replace Media Retrieval & PA Systems- RRES	\$120,000	Current Revenue
Repair Playground & Play Area - ES	<u>\$80,000</u>	Current Revenue
FY2019 Total	\$3,730,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2020 Projects	Project Amount	Funding Source
Repair Interior Finishes - RES	\$925,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Replace Generator - SMS	\$400,000	Current Revenue
Repair Phone Systems - VOIP Phase V	\$150,000	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	\$2,295,000	
FY2021 Projects	Project Amount	Funding Source
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Media Retrieval & PA Systems - CFHS	\$175,000	Current Revenue
Repair Stormwater Management - Various	\$200,000	Current Revenue
Repair Exterior Envelope - WES	\$500,000	Current Revenue
Replace Media Retrieval & PA Systems - HOES & NSHS	\$300,000	Current Revenue
Replace Generator - One (1) School	\$400,000	Current Revenue
Repair Phone Systems - VOIP Phase VI	\$150,000	Current Revenue
Upgrade CTE Labs	\$250,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Repair Playground & Play Area - ES	<u>\$80,000</u>	Current Revenue
FY2021 Total	\$2,580,000	
FY2022 Projects	Project Amount	Funding Source
Repair Interior Finishes - NSHS	\$3,400,000	Bond
Repair Exterior Envelope - HHPMS	\$500,000	Current Revenue
Repair Exterior Envelope - RES	\$500,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Upgrade CTE Labs	\$250,000	Current Revenue
Replace Generator - One (1) School	\$400,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Repair Playground & Play Area - ES	<u>\$80,000</u>	Current Revenue
FY2022 Total	\$5,705,000	
FY2023 Projects	Project Amount	Funding Source
Repair Interior Finishes - SMS	\$1,500,000	Bond
Energy Performance Program Phase III	\$600,000	Bond
Upgrade CTE Labs	\$200,000	Current Revenue
Repair Athletic Fields - SHS	\$1,500,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$300,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
Install Scoreboards	\$20,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replace Generator - One (1) School	<u>\$400,000</u>	Current Revenue
FY2023 Total	\$5,125,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2024 Projects	Project Amount	Funding Source
Rpr Interior Finishes - WCES	\$985,000	Bond
Repair Interior Finishes - KWBES	\$950,000	Bond
Repair Interior Finishes - BPHS	\$3,200,000	Bond
Repair Interior Finishes - RTMS	\$1,700,000	Current Revenue
Repair Interior Finishes - RRES	\$1,000,000	Current Revenue
Repair Athletic Fields - MVHS	\$500,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$320,000	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 Generator - One (1) School	\$400,000	Current Revenue
FY2024 Total	\$9,865,000	
FY2025 Projects	Project Amount	Funding Source
Repair Stormwater Management - SHS	\$1,500,000	Bond
Repair Athletic Fields - BPHS	\$500,000	Current Revenue
Repair Playground & Play Area - ES	\$85,000	Current Revenue
Repair Stormwater Management - Various	\$300,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Upgrade CTE Labs	\$250,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Generator - One (1) School	\$450,000	Current Revenue
FY2025 Total	\$3,610,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Pavement

	Project Amount	Funding Source
FY2016 Projects		
Repair Track - CFHS	\$600,000	Bond
Realign Parking Lot - CFHS	\$1,200,000	State
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2016 Total	\$2,250,000	
FY2017 Projects		
Construct Bus Parking - Phase I (WCES)	\$500,000	Current Revenue
Repair Track - MVHS	\$600,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tennis Court - NSHS	<u>\$165,000</u>	Current Revenue
FY2017 Total	\$1,715,000	
FY2018 Projects		
Expand and Repair Track - SHS	\$800,000	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
FY2018 Total	\$1,350,000	
FY2019 Projects		
Repair Pavement - GMC	\$500,000	Current Revenue
Repair Tennis Courts - CFHS	\$150,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2019 Total	\$1,100,000	
FY2020 Projects		
Repair Pavement - PRES	\$400,000	Current Revenue
Repair Pavement - SMS	\$400,000	Current Revenue
Repair Pavement - AYBAC	\$500,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tennis Courts - MVHS	<u>\$100,000</u>	Current Revenue
FY2020 Total	\$1,850,000	
FY2021 Projects		
Repair Pavement - NSHS (Student Lot)	\$600,000	Current Revenue
Repair Pavement - One (1) School	\$500,000	Current Revenue
Construct Bus Parking - Phase II (MVHS)	\$700,000	Current Revenue
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>\$400,000</u>	Current Revenue
FY2021 Total	\$2,350,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2022 Projects		
Repair Tracks (Miscellaneous) - MS	Project Amount	Funding Source
	\$50,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	<u>\$400,000</u>	Current Revenue
FY2022 Total	\$450,000	
FY2023 Projects		
Repair Pavement - One (1) School	Project Amount	Funding Source
	\$500,000	Current Revenue
Repair Exterior Envelope - AGWMS-GES	\$500,000	Current Revenue
Repair Exterior Envelope - HOES	<u>\$500,000</u>	Current Revenue
FY2023 Total	\$1,500,000	
FY2024 Projects		
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	Project Amount	Funding Source
	\$400,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2024 Total	\$550,000	
FY2025 Projects		
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	Project Amount	Funding Source
	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS	<u>\$50,000</u>	Current Revenue
FY2025 Total	\$450,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Environmental Upgrades

	Project Amount	Funding Source
FY2016 Projects		
Repair Mechanical Systems (HWH-Elevator--Boiler-Chiller-Univents) - HHPMS	\$3,100,000	Bond
Upgrade HVAC (Boardroom) - AYBAC	\$250,000	Current Revenue
Replace CTE Dust Collection System - SMS, AGWMS, BPHS, NSHS	<u>\$400,000</u>	Current Revenue
FY2016 Total	\$3,750,000	
FY2017 Projects		
Repair Mechanical Systems (Chiller-Rooftop Units) - GMC	\$1,000,000	Bond
Repair Mechanical Systems - Various	<u>\$110,000</u>	Current Revenue
FY2017 Total	\$1,110,000	
FY2018 Projects		
Repair Mechanical Systems (AHU-VAV-Chiller-Kitchen A/C) - RES	\$1,900,000	Bond
Repair Mechanical Systems - Various	<u>\$300,000</u>	Current Revenue
FY2018 Total	\$2,200,000	
FY2019 Projects		
Repair Mechanical Systems (VAV-Boilers-AHU-BAS-Elevator) - BPHS	\$3,200,000	Bond
Repair Mechanical Systems - Various	<u>\$300,000</u>	Current Revenue
FY2019 Total	\$3,500,000	
FY2020 Projects		
Repair Mechanical Systems (HWH-Heat pumps) - WCES	\$1,255,000	Bond
Replace Package Units - FLEET	\$50,000	Current Revenue
Repair Mechanical Systems (VAV-Chiller-AHU-Kitchen A/C) - PRES	\$1,400,000	Current Revenue
Repair Mechanical Systems - Various	<u>\$250,000</u>	Current Revenue
FY2020 Total	\$2,955,000	
FY2021 Projects		
Repair Mechanical Systems - SMS	\$1,200,000	Bond
Repair Mechanical Systems - Various	\$350,000	Current Revenue
Replace CTE Dust Collection Systems-Variou	<u>\$250,000</u>	Current Revenue
FY2021 Total	\$1,800,000	
FY2022 Projects		
Install Kitchen A/C - HOES	\$375,000	Current Revenue
Install Kitchen A/C - WES	\$375,000	Current Revenue
Repair Mechanical Systems -Various	<u>\$300,000</u>	Current Revenue
FY2022 Total	\$1,050,000	
FY2023 Projects		
Repair Mechanical Systems -Various	\$350,000	Current Revenue
Repair Mechanical Systems - RRES	<u>\$1,650,000</u>	Current Revenue
FY2023 Total	\$2,000,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2024 Projects		Project Amount	Funding Source
Repair Mechanical Systems - AYBAC		\$650,000	Current Revenue
Install Kitchen A/C - AGW/GES		\$500,000	Current Revenue
Repair Mechanical Systems -Various		<u>\$350,000</u>	Current Revenue
FY2024 Total		\$1,500,000	
FY2025 Projects		Project Amount	Funding Source
Repair Mechanical Systems (Include Kitchen A/C) - NSHS		\$1,200,000	Bond
Repair Mechanical Systems - GMS		\$1,650,000	Current Revenue
Repair Mechanical Systems -Various		<u>\$350,000</u>	Current Revenue
FY2025 Total		\$3,200,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Roofs

FY2016 Projects		Project Amount	Funding Source
Replace Roof - HES Area D & E Outbuilding (SS)		<u>\$450,000</u>	Current Revenue
	FY2016 Total	\$450,000	
FY2017 Projects		Project Amount	Funding Source
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2017 Total	\$150,000	
FY2018 Projects		Project Amount	Funding Source
Replace Roof - WES (Area B SS)		\$330,000	Current Revenue
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2018 Total	\$480,000	
FY2019 Projects		Project Amount	Funding Source
Replace Roof - FES (SS)		\$320,000	Current Revenue
Replace Roof - RES (Area A SS)		\$340,000	Current Revenue
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2019 Total	\$810,000	
FY2020 Projects		Project Amount	Funding Source
Replace Roof - AGW/GES		\$2,400,000	Bond
Replace Roof - SES (Area E & Outbuildings SS)		\$320,000	Current Revenue
Repair Roof - Various		<u>\$100,000</u>	Current Revenue
	FY2020 Total	\$2,820,000	
FY2021 Projects		Project Amount	Funding Source
Repair Roof - AYBAC		\$1,000,000	Bond
Repair Roof - BPHS (Standing seam & Outbuildings)		\$700,000	Current Revenue
Repair Roof - Various		<u>\$100,000</u>	Current Revenue
	FY2021 Total	\$1,800,000	
FY2022 Projects		Project Amount	Funding Source
Replace Roof - RTMS (All areas)		\$2,300,000	Current Revenue
Replace Roof - PRES (SS)		\$350,000	Current Revenue
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2022 Total	\$2,800,000	
FY2023 Projects		Project Amount	Funding Source
Replace Roof - CFHS (Area A, B, & D-All outbuildings SS)		\$2,800,000	Bond
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2023 Total	\$2,950,000	
FY2024 Projects		Project Amount	Funding Source
Repair Roof - Various		<u>\$150,000</u>	Current Revenue
	FY2024 Total	\$150,000	
FY2025 Projects		Project Amount	Funding Source
Repair Roof - HOES		\$2,000,000	Bond
Repair Roof - Various		\$150,000	Current Revenue
Repair Roof - RRES		<u>\$2,400,000</u>	Current Revenue
	FY2025 Total	\$4,550,000	
	FY2016-2025 Total	\$100,527,000	



Utilities All Projects

Projects	Prior Funding	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total CIP (FY16-25)	Later Years Funding	Total Project Cost
Water Projects	\$312,000	\$10,187,000	\$6,762,000	\$9,197,000	\$12,318,000	\$6,147,449	\$1,689,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$81,381,104	\$0	\$81,693,104
Wastewater Projects	1,015,000	7,842,000	15,386,000	11,742,000	12,989,000	8,592,000	6,055,000	7,190,864	17,872,000	7,555,807	10,626,218	\$105,850,889	0	\$106,865,889
Both Water/Wastewater	1,676,000	1,268,950	1,480,755	1,492,950	1,727,001	935,718	802,146	1,088,748	9,466,238	712,501	505,169	\$19,480,176	0	\$21,156,176
Total	\$3,003,000	\$19,297,950	\$23,628,755	\$22,431,950	\$27,034,001	\$15,675,167	\$8,546,146	\$14,855,089	\$47,051,433	\$16,370,291	\$11,821,387	\$206,712,169	\$0	\$209,715,000

Operating Impacts Summary	Existing Debt Service	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total Debt Service
Debt Service	\$6,685,411	\$0	\$964,724	\$1,118,533	\$768,696	\$1,499,731	\$610,775	\$0	\$0	\$3,052,826	\$0	
Total	\$6,685,411	\$6,685,411	\$7,650,135	\$8,768,668	\$9,537,364	\$11,037,095	\$11,647,871	\$11,647,871	\$11,647,871	\$14,700,696	\$14,700,696	\$14,700,696

Project Funding	Prior Funding	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total CIP (FY16-25)	Later Years Funding	Total Project Cost
Availability Funded Projects	\$523,000	\$2,911,500	\$3,671,500	\$3,400,500	\$504,000	\$524,000	\$2,687,000	\$3,023,626	\$1,182,000	\$4,272,983	\$640,000	\$22,817,109	\$0	\$23,340,109
Bond Funded Projects	0	11,528,821	13,366,900	9,186,208	17,922,361	7,299,000	0	0	36,482,433	0	0	\$95,785,723	0	\$95,785,723
ProRata Funded Projects	77,000	838,000	1,897,500	4,089,000	2,267,000	265,500	500,000	632,500	743,000	665,000	500,000	12,397,500	0	\$12,474,500
Operations /User Fees	2,403,000	4,019,629	4,692,855	5,756,242	6,340,640	7,586,667	5,359,146	11,198,963	8,644,000	11,432,308	10,681,387	75,711,837	0	\$78,114,837
Total	\$3,003,000	\$19,297,950	\$23,628,755	\$22,431,950	\$27,034,001	\$15,675,167	\$8,546,146	\$14,855,089	\$47,051,433	\$16,370,291	\$11,821,387	\$206,712,169	\$0	\$209,715,000

Utilities Water Projects

Stafford County FY16 Adopted Budget

(in millions of dollars)

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total CIP (FY16-25)	Later Years Funding	Total Project Cost
320 Zone Water Improvements	0	0	0	0	0	0	0	0	0	330,000	0	330,000	0	330,000
342 Zone Water System Imp. - Phase 1	0	0	0	7,800,000	7,800,000	0	0	0	0	0	0	15,600,000	0	15,600,000
342 Zone Water System Imp. - Phase 2		8,558,000	0	0	0	0	0	0	0	0	0	8,558,000	0	8,558,000
370N Water Booster Pump Station	0	120,000	1,070,000	0	0	0	0	0	0	0	0	1,190,000	0	1,190,000
Lake Mooney WTF Upgrade/Expansion	0	0	0	0	0	0	0	1,437,626	18,850,195	3,656,983	0	23,944,804	0	23,944,804
Centreport Water Tank	0	168,000	3,304,000	0	0	0	0	0	0	0	0	3,472,000	0	3,472,000
Moncure Water Booster Pump Station	0	0	0	105,000	1,609,000	0	0	0	0	0	0	1,714,000	0	1,714,000
Radio-Read Meters Program	0	0	832,000	865,000	900,000	1,082,000	1,100,000	0	0	0	0	4,779,000	0	4,779,000
Berea Water Tank Removal	0	0	500,000	0	0	0	0	0	0	0	0	500,000	0	500,000
Regional Water Interconnection	0	0	0	0	0	0	0	0	225,000	3,451,000	0	3,676,000	0	3,676,000
Small Water Projects	0	234,000	0	0	546,000	0	0	234,000	0	0	0	1,014,000	0	1,014,000
Smith Lake Distribution PS Upgrade	0	0	0	73,000	1,095,000	0	0	0	0	0	0	1,168,000	0	1,168,000
Smith Lake WTF Filter Replacements	0	780,000	716,000	0	0	0	0	0	0	0	0	1,496,000	0	1,496,000
Water Distribution System Rehab Program	100,000	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	2,457,000	0	2,557,000
Water Extension Projects	212,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	2,692,000	0	2,904,000
320 Zone Extension	0	0	0	0	0	774,179	0	0	0	0	0	774,179	0	774,179
320 Zone Elevated Storage Tank	0	0	0	0	0	1,845,547	0	0	0	0	0	1,845,547	0	1,845,547
342 Zone Piping	0	0	0	0	0	1,879,723	0	0	0	0	0	1,879,723	0	1,879,723
Truslow Road Piping	0	0	0	0	0	0	0	4,290,851	0	0	0	4,290,851	0	4,290,851
Total	\$312,000	\$10,187,000	\$6,762,000	\$9,197,000	\$12,318,000	\$6,147,449	\$1,689,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$81,381,104	\$0	\$81,693,104

320 ZONE WATER IMPROVEMENTS

Total Project Cost: \$330,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Replacement of 1,540 feet of 8" water line with a 12" line.



OPERATING IMPACT SUMMARY

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.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	0	23,000	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	298,000	0
Contingency	0	0	0	0	0	0	0	0	0	9,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	165,000	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	165,000	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASE 1

Total Project Cost: \$17,641,000 **Est. Opening Date:** 2020

Links to Board's Strategic Initiatives

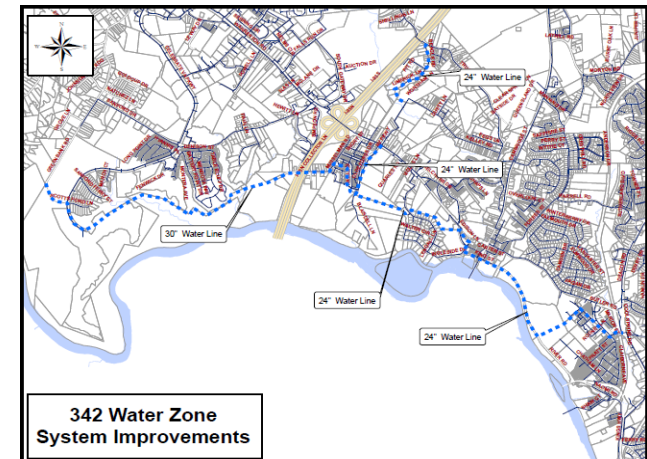
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Lake Mooney 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	7,800,000	7,566,000	0	0	0	0	0	0
Contingency	0	0	0	0	234,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	6,646,208	6,969,361	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	1,153,792	830,639	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	408,021	835,881	835,881	835,881	835,881	835,881	835,881
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$408,021	\$835,881	\$835,881	\$835,881	\$835,881	\$835,881	\$835,881

342 ZONE WATER SYSTEM IMPROVEMENTS - PHASE 2

Total Project Cost: \$17,641,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

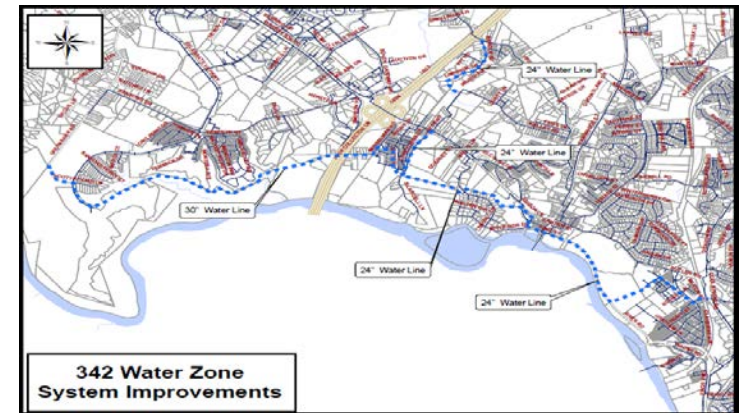
- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Lake Mooney 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	318,000	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	8,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	240,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$8,558,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	7,779,000	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	0	0	0	0	0	0	0	0	0
User Fees	0	779,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$8,558,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	477,565	477,565	477,565	477,565	477,565	477,565	477,565	477,565	477,565
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$477,565	\$477,565	\$477,565	\$477,565	\$477,565	\$477,565	\$477,565	\$477,565	\$477,565

370N WATER BOOSTER PUMP STATION

Total Project Cost: \$1,190,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends the construction of a new water booster pump station after completion of the Lake Mooney Water Treatment Facility to move water into the 370N water pressure zone. (Project 370N-201)

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	120,000	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	995,000	0	0	0	0	0	0	0	0
Contingency	0	0	75,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,070,000	0	0	0	0	0	0	0	0
ProRata Fees	0	60,000	0	0	0	0	0	0	0	0	0
User Fees	0	60,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	65,689	65,689	65,689	65,689	65,689	65,689	65,689	65,689
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$65,689	\$65,689	\$65,689	\$65,689	\$65,689	\$65,689	\$65,689	\$65,689

LAKE MOONEY WTF UPGRADE AND EXPANSION

Total Project Cost: \$23,944,804

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This project will expand the Lake Mooney 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 Lake Mooney or replacement of the Abel Lake Water Treatment Facility is the better course of action given the circumstances at the time.

OPERATING IMPACT SUMMARY

Project will provide additional water treatment capacity necessary to continue to meet average and peak day water demands.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,437,626	18,850,195	3,656,983	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	\$1,437,626	\$18,850,195	\$3,656,983	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	18,850,195	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
Availability fees	0	0	0	0	0	0	0	1,437,626	0	3,656,983	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,437,626	\$18,850,195	\$3,656,983	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,157,243	1,157,243
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,157,243	\$1,157,243

CENTREPORT WATER TANK

Total Project Cost: \$3,472,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

New 1 million gallon water storage tank to be located in the Centreport area to serve the 370N water pressure zone.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	168,000	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	3,210,000	0	0	0	0	0	0	0	0
Contingency	0	0	94,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	3,192,000	0	0	0	0	0	0	0	0
ProRata Fees	0	84,000	56,000	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	84,000	56,000	0	0	0	0	0	0	0	0
Total	\$0	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	195,962	195,962	195,962	195,962	195,962	195,962	195,962	195,962
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$195,962	\$195,962	\$195,962	\$195,962	\$195,962	\$195,962	\$195,962	\$195,962

MONCURE WATER BOOSTER PUMP STATION

Total Project Cost: \$1,714,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Upgrade will provide additional pumping capacity and pump redundancy to maintain our ability to meet increased water demands.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	105,000	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	1,562,000	0	0	0	0	0	0
Contingency	0	0	0	0	47,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	52,500	804,500	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	52,500	804,500	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$4,779,000

Est. Opening Date: 2020

PROGRAM DESCRIPTION

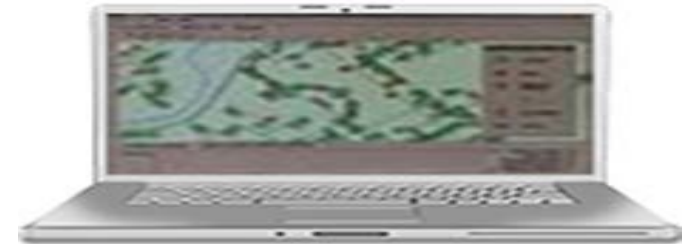
Planned replacement of existing meters with radio-read meters to improve capabilities, reduce manpower required to read meters, and prepare for implementation of 100% radio-read capability.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	832,000	865,000	900,000	936,000	1,100,000	0	0	0	0
Contingency	0	0	0	0	0	146,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$832,000	\$865,000	\$900,000	\$1,082,000	\$1,100,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	832,000	865,000	900,000	1,082,000	1,100,000	0	0	0	0
Total	\$0	\$0	\$832,000	\$865,000	\$900,000	\$1,082,000	\$1,100,000	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

BEREA WATER TANK REMOVAL

Total Project Cost: \$500,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

The Berea Water Tank has come to the end of its useful life and will be removed after the completion of the Celebrate Virginia Water Tank. This process will include the removal of any lead based paint before demolition.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	500,000	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	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	500,000	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

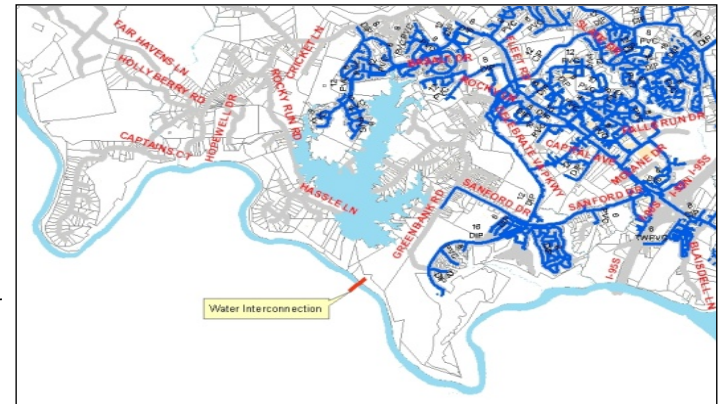
Est. Opening Date: 2024

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.



OPERATING IMPACT SUMMARY

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.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	0	225,000	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	3,350,000	0
Contingency	0	0	0	0	0	0	0	0	0	101,000	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	225,000	3,451,000	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 WATER PROJECTS

Total Project Cost: \$1,014,000

Est. Opening Date: Various

Links to Board's Strategic Initiatives

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. 480/410 Zone Pressure Reducing Valves - installation of pressure reducing valve vaults to provide for transfer of water from the 480 water pressure zone to the 410 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

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These projects improve fire suppression flows and provide additional water transmission capacity.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	15,000	0	0	33,000	0	0	15,000	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	212,000	0	0	499,000	0	0	213,000	0	0	0
Contingency	0	7,000	0	0	14,000	0	0	6,000	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	117,000	0	0	273,000	0	0	117,000	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	117,000	0	0	273,000	0	0	117,000	0	0	0
Total	\$0	\$234,000	\$0	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

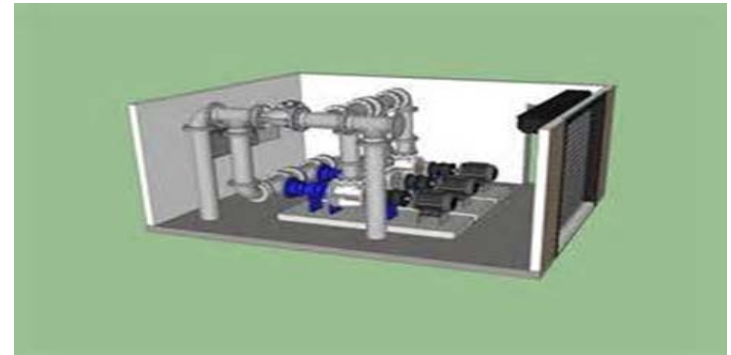
Est. Opening Date: 2019

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.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The upgrade of this water pump station is critical to maintaining our ability to meet water demand, even on peak usage days.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	73,000	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	1,063,000	0	0	0	0	0	0
Contingency	0	0	0	0	32,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	36,500	547,500	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	36,500	547,500	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$1,496,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of Greenleaf filters. The existing filters are 22 years old, and need to be replaced to maintain filtration performance.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Replacement of the existing filters should result in increased run times and reduced backwash water needs.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	100,000	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	680,000	672,000	0	0	0	0	0	0	0	0
Contingency	0	0	44,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$780,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0
Availability fees	0	780,000	716,000	0	0	0	0	0	0	0	0
Total	\$0	\$780,000	\$716,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Improvements will avoid pipe failures and subsequent interruptions in service to our customers as well as minimize water quality complaints.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000
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	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	100,000	104,000	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000
Total	\$100,000	\$104,000	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$2,904,000

Est. Opening Date: Ongoing

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).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Provides a solution for residents with wells who may be experiencing problems with well water quantities or quality.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	12,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	200,000	208,000	216,000	225,000	234,000	243,000	253,000	263,000	274,000	285,000	296,000
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	\$212,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0
Availability fees	212,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000
Total	\$212,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 EXTENSION

Total Project Cost:

\$774,179

Est. Opening Date:

2020

PROGRAM DESCRIPTION

This project involves design and construction of a 16-inch main from the existing 12-inch main along Kings Highway to the proposed water storage tank along Sherwood Forest Farm Road (3,219 feet). Typically, connecting pipes serving the water tanks are at least 16-inch or larger.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

A 16-inch connecting pipe is proposed to provide flow to the 12-inch north and south of the connection on Kings Highway. The length of the water main serving the storage tank will be dependent on the location of the storage tank as determined by future siting studies.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	774,179	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	\$774,179	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	774,179	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$774,179	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 ELEVATED WATER TANK

Total Project Cost: \$1,845,547

Est. Opening Date: 2020

PROGRAM DESCRIPTION

This is a .5 Million Gallon Storage Tank on Kings Highway near Sherwood Forest Farm Road.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

The purpose of this tank is to enhance reliability and provide adequate fire flows (2,500 gpm) in the vicinity of the tank.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,845,547	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	\$1,845,547	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	1,845,547	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,845,547	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

342 ZONE PIPING

Total Project Cost: \$1,879,723

Est. Opening Date: 2020

PROGRAM DESCRIPTION

This project includes design and construction of a 24-inch main along RV Parkway and Beagle Road to Truslow Road (5,579 feet).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of the project is to convey flows from the 30-inch main from Lake Mooney WTP to the 342 and 370N Zones.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,879,723	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	\$1,879,723	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	1,879,723	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,879,723	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

342 ZONE PIPING

Total Project Cost: \$4,290,851

Est. Opening Date: 2020

PROGRAM DESCRIPTION

This project includes design and construction of a 24-inch water main along Truslow Road to Hulls Chapel Road (8,209 feet).

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of the project is to convey large quantities of flow from the Lake Mooney WTP to both the southern and northern zones in the water system. This project significantly increases both the reliability and flexibility of the overall system.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	4,290,851	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	\$4,290,851	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	4,290,851	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,290,851	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

Stafford County FY16 Adopted Budget

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total CIP (FY16-25)	Later Years Funding	Total Project Cost
Claiborne Run PS Parallel Force Main	0	0	381,000	5,833,000	0	0	0	0	0	0	0	6,214,000	0	6,214,000
Claiborne Run Pump Station Replacement	0	0	0	405,000	6,195,000	0	0	0	0	0	0	6,600,000	0	6,600,000
Country Ridge Pump Station Replacement	200,000	0	0	0	0	0	0	31,000	486,000	0	0	517,000	0	717,000
Equipment Replacement - Aquia WWTF	55,000	910,000	1,069,000	0	0	0	0	0	0	0	0	1,979,000	0	2,034,000
Equipment Replacement - Little Falls Run WWTF	43,000	651,000	0	0	0	0	0	0	0	0	0	651,000	0	694,000
Falls Run PS Force Main Replacement	154,000	2,357,000	0	0	0	0	0	0	0	0	0	2,357,000	0	2,511,000
Falls Run Pump Station Replacement	0	0	0	0	0	280,000	4,282,000	0	0	0	0	4,562,000	0	4,562,000
Falls Run Sewer Interceptor Replacement - Phase 2	0	1,200,000	0	362,000	5,549,000	0	0	0	0	0	0	7,111,000	0	7,111,000
Austin Run Gravity Sewer Replacement	0	0	0	0	314,000	4,806,000	0	0	0	0	0	5,120,000	0	5,120,000
Little Falls Run WWTF - 3rd Treatment Train	0	0	0	0	0	0	0	1,018,000	15,590,000	0	0	16,608,000	0	16,608,000
Replace 8" and 10" Gravity with 18" (Carnaby to Coal Landing)	0	100,000	1,050,000	0	0	0	0	0	0	0	0	1,150,000	0	1,150,000
Olde Concord to Wayside 18" Gravity Construct	0	150,000	1,200,000	0	0	0	0	0	0	0	0	1,350,000	0	1,350,000
Construct Lower Accokeek PS	0	100,000	2,300,000	0	0	0	0	0	0	0	0	2,400,000	0	2,400,000
18" Gravity Accokeek Creek	0	100,000	1,050,000	435,000	0	0	0	0	0	0	0	1,585,000	0	1,585,000
Lower Accokeek FM	0	0	200,000	1,400,000	0	0	0	0	0	0	0	1,600,000	0	1,600,000
8" Gravity Trunk SE	0	0	0	580,000	0	0	0	0	0	0	0	580,000	0	580,000
8" Extension of Ex Gravity	0	0	0	1,000,000	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Rowser 10" Gravity Line	0	0	0	175,000	0	0	0	0	0	0	0	175,000	0	175,000
Wyche Rd 12" Gravity Line	0	0	0	350,000	0	0	0	0	0	0	0	350,000	0	350,000
Venture to Wyche Rd	0	0	0	200,000	0	0	0	0	0	0	0	200,000	0	200,000
8" Ex Gravity Upstream	0	0	0	260,000	0	0	0	0	0	0	0	260,000	0	260,000
Centreport Sewer Mains	0	800,000	0	0	0	0	0	0	0	0	0	800,000	0	800,000
Potomac Creek Pump Station & Force Main Replacement	0	155,000	4,502,000	0	0	0	0	0	0	0	0	4,657,000	0	4,657,000
Sewer Extension Projects	213,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	2,692,000	0	2,905,000
Small Sewer Projects	0	347,000	438,000	0	0	0	0	0	0	0	0	785,000	0	785,000
Wastewater Collection System Rehabilitation Projects	100,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	0	2,600,000
Wastewater Pump Station Rehabilitation Program	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000	0	2,750,000
Wastewater Pump Station Replacements	0	0	0	0	0	0	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	0	5,000,000
Wayside Sewer Interceptor Replacement	0	0	0	0	179,000	2,744,000	0	0	0	0	0	2,923,000	0	2,923,000
Hilldrup Pump Station	0	175,000	1,339,000	0	0	0	0	0	0	0	0	1,514,000	0	1,514,000
Hilldrup PS Force Main	0	74,000	1,125,000	0	0	0	0	0	0	0	0	1,199,000	0	1,199,000
Austin Run Interceptor Section Replacement	0	0	0	0	0	0	0	0	0	5,747,807	6,216,872	11,964,679	0	11,964,679
Aquia Creek Force Main Replacement	0	0	0	0	0	0	0	0	0	0	2,589,346	2,589,346	0	2,589,346
Aquia Creek PS Expansion	0	0	0	0	0	0	0	2,762,295	0	0	0	2,762,295	0	2,762,295
Camp Barrett SPS FM	0	0	0	0	0	0	0	1,595,569	0	0	0	1,595,569	0	1,595,569
Total	\$1,015,000	\$7,842,000	\$15,386,000	\$11,742,000	\$12,989,000	\$8,592,000	\$6,055,000	\$7,190,864	\$17,872,000	\$7,555,807	\$10,626,218	\$105,850,889	\$0	\$106,865,889

CLAIBORNE RUN PUMP STATION PARALLEL FORCE MAIN

Total Project Cost: \$6,214,000

Est. Opening Date: 2018

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.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	381,000	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	0	5,663,000	0	0	0	0	0	0	0
Contingency	0	0	0	170,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	190,500	2,916,500	0	0	0	0	0	0	0
Availability fees	0	0	190,500	2,916,500	0	0	0	0	0	0	0
Total	\$0	\$0	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

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.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	405,000	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	6,015,000	0	0	0	0	0	0
Contingency	0	0	0	0	180,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	6,000,000	0	0	0	0	0	0
ProRata Fees	0	0	0	202,500	97,500	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	202,500	97,500	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	461,257	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	\$461,257	\$461,257	\$461,257	\$461,257	\$461,257	\$461,257

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

This project will not only provide better access to the pump station, but it will enable us to enhance the site the pump station is located on to lessen any adverse impact on the surrounding homes.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	31,000	0	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	472,000	0	0
Contingency	0	0	0	0	0	0	0	0	14,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	15,500	243,000	0	0
Availability	0	0	0	0	0	0	0	0	0	0	0
User Fees	200,000	0	0	0	0	0	0	15,500	243,000	0	0
Total	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 - AQUIA WASTEWATER TREATMENT FACILITY

Total Project Cost: \$2,034,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replacement of sludge dewatering centrifuges

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Maintains reliability of the wastewater treatment facility.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	55,000	70,000	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	816,000	1,038,000	0	0	0	0	0	0	0	0
Contingency	0	24,000	31,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$55,000	\$910,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0
Availability fees	55,000	910,000	1,069,000	0	0	0	0	0	0	0	0
Total	\$55,000	\$910,000	\$1,069,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

PROGRAM DESCRIPTION

Replacement centrifuge for dewatering biosolids.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	43,000	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	632,000	0	0	0	0	0	0	0	0	0
Contingency	0	19,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$43,000	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0
Availability fees	43,000	651,000	0	0	0	0	0	0	0	0	0
Total	\$43,000	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: 2016

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

This project will provide the additional capacity necessary to handle increased wastewater flows from the Southern Gateway UDA and the Falmouth Redevelopment Area. The project will be funded with water and sewer revenue bond proceeds.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	154,000	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	2,288,000	0	0	0	0	0	0	0	0	0
Contingency	0	69,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$154,000	\$2,357,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	2,357,000	0	0	0	0	0	0	0	0	0
ProRata Fees	77,000	0	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	77,000	0	0	0	0	0	0	0	0	0	0
Total	\$154,000	\$2,357,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	181,197	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	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197	\$181,197

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

This project will provide the additional capacity necessary to handle increased wastewater flows from the Southern Gateway UDA and the Falmouth Redevelopment Area.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	280,000	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	4,157,000	0	0	0	0
Contingency	0	0	0	0	0	0	125,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	280,000	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	2,141,000	0	0	0	0
Availability fees	0	0	0	0	0	0	2,141,000	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	21,525	21,525	21,525	21,525	21,525
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$21,525	\$21,525	\$21,525	\$21,525	\$21,525

FALLS RUN SEWER INTERCEPTOR REPLACEMENT - PHASE 2

Total Project Cost: \$7,111,000

Est. Opening Date: 2019

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

Any additional development to the west of Cardinal Forest will necessitate replacement of the upper portion of the Falls Run Sewer Interceptor to increase the pipe size and capacity. The project will be funded with water and sewer revenue bond proceeds.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	1,200,000	0	362,000	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	5,387,000	0	0	0	0	0	0
Contingency	0	0	0	0	162,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,200,000	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	473,871	0	0	4,653,000	0	0	0	0	0	0
ProRata Fees	0	0	0	181,000	448,000	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	726,129	0	181,000	448,000	0	0	0	0	0	0
Total	\$0	\$1,200,000	\$0	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	36,429	36,429	36,429	394,134	394,134	394,134	394,134	394,134	394,134
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$36,429	\$36,429	\$36,429	\$394,134	\$394,134	\$394,134	\$394,134	\$394,134	\$394,134

AUSTIN RUN GRAVITY SEWER REPLACEMENT

Total Project Cost: \$5,120,000

Est. Opening Date: 2020

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)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	314,000	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	4,666,000	0	0	0	0	0
Contingency	0	0	0	0	0	140,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	300,000	4,519,000	0	0	0	0	0
ProRata Fees	0	0	0	0	7,000	143,500	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	7,000	143,500	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	23,063	370,466	370,466	370,466	370,466	370,466
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$23,063	\$370,466	\$370,466	\$370,466	\$370,466	\$370,466

LITTLE FALLS RUN WWTF - THIRD TREATMENT TRAIN

Total Project Cost: \$16,608,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Will enable treatment facility to accommodate future flow increases and enhance the reliability of the facility.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	1,018,000	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	0	15,136,000	0	0
Contingency	0	0	0	0	0	0	0	0	454,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	15,000,000	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
Availability fees	0	0	0	0	0	0	0	1,018,000	590,000	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,153,142	1,153,142
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,153,142	\$1,153,142

REPLACE 8" AND 10" GRAVITY WITH 18" (CARNABY TO COAL LANDING)

Total Project Cost: \$1,150,000

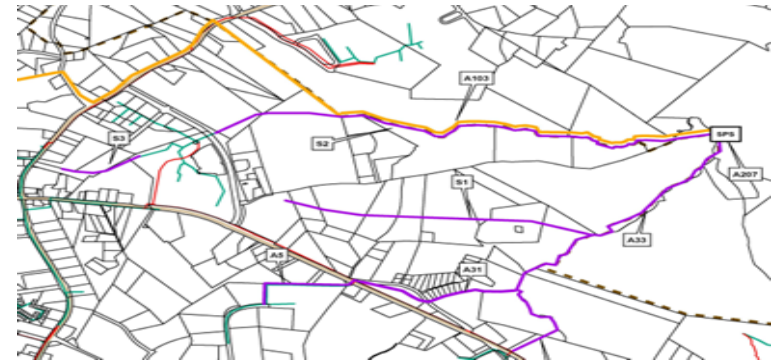
Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

One of several construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include replacing 8-inch and 10-inch with 18-inch gravity main along Jefferson Davis Highway from Carnaby Street to Austin Run PS (3,017 feet).



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	100,000	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	1,050,000	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	\$0	\$100,000	\$1,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,050,000	0	0	0	0	0	0	0	0
ProRata Fees	0	100,000	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$1,050,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	80,720	80,720	80,720	80,720	80,720	80,720	80,720	80,720
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$80,720	\$80,720	\$80,720	\$80,720	\$80,720	\$80,720	\$80,720	\$80,720

OLDE CONCORD TO WAYSIDE 18" GRAVITY CONSTRUCT

Total Project Cost: \$1,350,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include This project includes design and construction of an 18-inch gravity main along unnamed tributary from Olde Concord Road to interceptor along Jefferson Davis Highway near Carnaby Street (5,833 feet). The purpose of the project is to serve future customers east of Jefferson Davis Highway near Somerset Lane. The timing for construction of this project is dependent on the timing of flows in this area which is anticipated to be in the near-term (through 2010). The force main from the Courthouse PS should be connected to this 18-inch gravity main in the future to alleviate future capacity issues associated with the gravity sewers downstream of the existing force main serving the Courthouse PS. In the future, this project will convey flows from the force main serving the Lower Accokeek PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	150,000	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	1,200,000	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	\$0	\$150,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	202,900	0	0	0	0	0	0	0	0
ProRata Fees	0	75,000	100,000	0	0	0	0	0	0	0	0
User Fees	0	75,000	897,100	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$150,000	\$1,200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	15,598	15,598	15,598	15,598	15,598	15,598	15,598	15,598
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$15,598	\$15,598	\$15,598	\$15,598	\$15,598	\$15,598	\$15,598	\$15,598

Construct Lower Accokeek PS

Total Project Cost: \$2,400,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:

Construct Lower Accokeek PS



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	100,000	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	0	0	0	0	0	0	0	0	0
Contingency	0	0	2,300,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$2,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	2,300,000	0	0	0	0	0	0	0	0
ProRata Fees	0	100,000	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$2,300,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	176,815	176,815	176,815	176,815	176,815	176,815	176,815	176,815
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815	\$176,815

18"GRAVITY ACCOKEEK CREEK PS

Total Project Cost: \$1,585,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
Construct 18-inch gravity main along Accokeek Creek from vicinity of Jumping Branch Road to Lower Accokeek PS (4,737 feet)



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	100,000	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	1,050,000	435,000	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	\$1,050,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	1,050,000	435,000	0	0	0	0	0	0	0
ProRata Fees	0	100,000	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$100,000	\$1,050,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	80,720	114,161	114,161	114,161	114,161	114,161	114,161	114,161
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$80,720	\$114,161	\$114,161	\$114,161	\$114,161	\$114,161	\$114,161	\$114,161

CONSTRUCT LOWER ACCOKEEK FM TO EXISTING SEWER

Total Project Cost: \$1,600,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
Construct 18-inch gravity main along unnamed tributary from Olde Concord Road to interceptor along Jefferson Davis Highway near Carnaby Street (5,833 feet)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	200,000	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	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	1,400,000	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	100,000	700,000	0	0	0	0	0	0	0
User Fees	0	0	100,000	700,000	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

8"GRAVITY TRUNK SE QUADRANT

Total Project Cost: \$580,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
8" Gravity Trunk Sewer to serve Economic Dev in SE quadrant.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	580,000	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	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	580,000	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
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	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	\$0	\$0	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000	\$29,000

8" EXTENSION of EX GRAVITY FROM HOSPITAL TO PS

Total Project Cost: \$1,000,000

Est. Opening Date: 2018

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:

8" Extension of ex gravity sewer downstream from hospital



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	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	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	1,000,000	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability 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	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	76,876	76,876	76,876	76,876	76,876	76,876	76,876
Revenue/Savings	0	0	0	(125,355)	(127,862)	(130,420)	(133,028)	(135,688)	(138,402)	(141,170)
Total	\$0	\$0	\$0	(\$48,479)	(\$50,986)	(\$53,544)	(\$56,152)	(\$58,812)	(\$61,526)	(\$64,294)

ROWSER 10" GRAVITY LINE

Total Project Cost: \$175,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

This project includes design and construction of a 10-inch gravity main from Rowser PS to interceptor along Accokeek Creek (626 feet). The purpose of the project is to eliminate the Rowser PS and serve future customers downstream of the Rowser PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	175,000	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	175,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	175,000	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
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	13,453	13,453	13,453	13,453	13,453	13,453	13,453
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$0	\$0	\$0	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453

WYCHE ROAD 12" GRAVITY LINE

Total Project Cost: \$350,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

This project includes design and construction of a 12-inch gravity main along unnamed tributary to Accokeek Creek from Wyche Road PS to interceptor along Accokeek Creek (1,638 feet). The purpose of the project is to eliminate the Wyche Road PS and serve future customers downstream of the Wyche Road PS.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	350,000	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	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	350,000	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
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	26,907	26,907	26,907	26,907	26,907	26,907	26,907
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907	\$26,907

VENTURE ROAD TO WYCHE ROAD PS 12" GRAVITY REPLACEMENT

Total Project Cost: \$200,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include replacing the 8-inch with 12-inch gravity main from Venture Road to Wyche Road PS (1,190 feet)

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	200,000	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	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	200,000	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

8" EXTENSION OF EX GRAVITY SEWER

Total Project Cost: \$260,000

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Construct sewer upgrades to provide service for the south east quadrant of the Courthouse redevelopment area to include the following:
8" Extension of ex gravity sewer upstream from hospital.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	260,000	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	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	260,000	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 SEWER

Total Project Cost: \$800,000

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 providing capacity in this area to handle buildout flows. This project will install a 15" gravity sewer main from the existing sewer on RM Parcel 37-80 to the West side of Centreport Parkway near TM Parcel 38-14B

OPERATING IMPACT SUMMARY

Additional wastewater pumping and transmission capacity is necessary to serve the commercial and residential development.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	60,000	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	0	0	0	0	0	0	0	0	0
Contingency	0	740,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	800,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

POTOMAC CREEK PUMP STATION & FORCE MAIN REPLACEMENT

Total Project Cost: \$4,657,000

Est. Opening Date: 2017

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

Additional wastewater pumping and transmission capacity is necessary to serve the commercial and residential development.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	155,000	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	4,367,000	0	0	0	0	0	0	0	0
Contingency	0	0	135,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$155,000	\$4,502,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	4,502,000	0	0	0	0	0	0	0	0
ProRata Fees	0	77,500	0	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	77,500	0	0	0	0	0	0	0	0	0
Total	\$0	\$155,000	\$4,502,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	346,096	346,096	346,096	346,096	346,096	346,096	346,096	346,096
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$346,096	\$346,096	\$346,096	\$346,096	\$346,096	\$346,096	\$346,096	\$346,096

SEWER EXTENSION PROJECTS

Total Project Cost: \$2,905,000

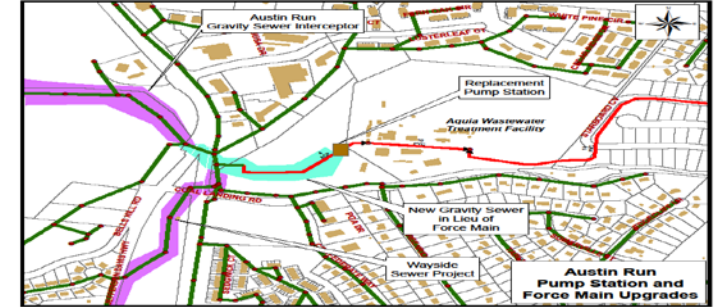
Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

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).

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides a solution for residents with on-site septic systems who may be experiencing drainfield problems.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	13,000	15,000	16,000	17,000	18,000	19,000	20,000	21,000	22,000	23,000	24,000
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	200,000	208,000	216,000	225,000	234,000	243,000	253,000	263,000	274,000	285,000	296,000
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	\$213,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0
Availability fees	213,000	223,000	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000
Total	\$213,000	\$223,000	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$785,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

1. Bosun Cove / Brentsmill Sewer - gravity sewer line that will eliminate one pump station in Aquia Harbour - \$178,000 in FY17
2. Denrich / Brentsmill Sewer - gravity sewer line that will eliminate pump station adjacent to Widewater Elementary School - \$250,000 in FY17
3. 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 FY17

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These projects will take advantage of VDOT initiatives to minimize project costs and reduce future impacts on the roads. In addition, two of these projects will eliminate pump stations and the related O&M costs.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	27,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	347,000	389,000	0	0	0	0	0	0	0	0
Contingency	0	0	22,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$347,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	219,000	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	347,000	219,000	0	0	0	0	0	0	0	0
Total	\$0	\$347,000	\$438,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 COLLECTION SYSTEM REHABILITATION PROJECTS

Total Project Cost: \$2,600,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

This project will replace or repair aging and deteriorated sewer infrastructure to enhance the overall reliability of the wastewater collection system.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	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	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$100,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$2,750,000

Est. Opening Date: Ongoing

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.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan



OPERATING IMPACT SUMMARY

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.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	250,000	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	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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: \$5,000,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

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.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,000,000	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	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	500,000	500,000	500,000	500,000	500,000
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	500,000	500,000	500,000	500,000	500,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

WAYSIDE SEWER INTERCEPTOR REPLACEMENT

Total Project Cost: \$2,923,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

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

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The project will serve future customers along the Jefferson Davis Highway corridor south of Aquia WWTP.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	179,000	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	2,664,000	0	0	0	0	0
Contingency	0	0	0	0	0	80,000	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	2,500,000	0	0	0	0	0
ProRata Fees	0	0	0	0	89,500	122,000	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	89,500	122,000	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	192,190	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	\$192,190	\$192,190	\$192,190	\$192,190	\$192,190

HILLDRUP'S PUMP STATION REPLACEMENT

Total Project Cost: \$1,514,000

Est. Opening Date: 2017

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Construct a new pump station at Quantico Corporate Center to accommodate existing flows as well as new flows from prospective customers such as data centers, corporate office complexes, etc. Pump station needs to be sized for current 100,000 gallons per day plus 500,000 gallons per day for a data center plus another 100,000 gallons per day for future office space. That equates to a pump station capacity of 1,700 gallons per minute using our current 3.5 peaking factor. A new and larger emergency generator will also be required.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Replacement of the existing Hilldrup's Pump Station is a key need to accommodate continued growth in Quantico Corporate Center.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	87,500	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	87,500	1,339,000	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	\$0	\$175,000	\$1,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	87,500	669,500	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	87,500	669,500	0	0	0	0	0	0	0	0
Total	\$0	\$175,000	\$1,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

HILDRUP'S PUMP STATION FORCE MAIN REPLACEMENT

Total Project Cost: \$1,199,000

Est. Opening Date: 2017

PROGRAM DESCRIPTION

Replacement of the existing 8-inch diameter force main from the Hildrup's Pump Station is needed to accommodate construction of a new pump station at Quantico Corporate Center. The new force main needs to be 16 inches in diameter and about 8,400 feet long. At an estimated cost of \$125 per foot, the new force main will cost about \$1,050,000.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Replacement of the existing Hildrup's Pump Station is a key need to accommodate continued growth in Quantico Corporate Center. In order to handle the increased flow, the 8-inch diameter force main from the pump station to the gravity sewer needs to be replaced with a 16-inch diameter line.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	74,000	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	1,092,000	0	0	0	0	0	0	0	0
Contingency	0	0	33,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$74,000	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	37,000	562,500	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	37,000	562,500	0	0	0	0	0	0	0	0
Total	\$0	\$74,000	\$1,125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

AUSTIN RUN INTERCEPTOR SECTION REPLACEMENT

Total Project Cost: \$11,964,679

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This project includes replacement of the existing 10-inch and 12-inch with 18-inch gravity main along Garrisonville Road and unnamed tributary to Whitsons Run from Onville Road to interceptor along Whitsons Run (5,050 feet). This project also includes replacement of the existing 18-inch with 24-inch gravity main along Whitsons Run from vicinity of Highpointe Boulevard to interceptor along Austin Run (6,890 feet).



OPERATING IMPACT SUMMARY

The purpose of the project is to increase the conveyance capacity of the existing gravity mains to handle flows from Quantico Marine Corps Base.

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	5,747,807	6,216,872
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	\$5,747,807	\$6,216,872

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	5,747,807	6,216,872
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,747,807	\$6,216,872

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

AQUIA CREEK FORCE MAIN REPLACEMENT

Total Project Cost: \$2,589,346

Est. Opening Date: 2022

PROGRAM DESCRIPTION

This project will replace the force mains from the Aquia Creek pump station to Aquia Drive, and from the Aquia at the Bridge pump station to Starboard Cove Lane.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The purpose of this project is to increase the conveyance capacity and provide needed replacement of deteriorated lines.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	2,589,346
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	\$2,589,346

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,589,346
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,589,346

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

AQUIA CREEK PS EXPANSION

Total Project Cost: \$2,762,295

Est. Opening Date: 2022

PROGRAM DESCRIPTION

This project includes expansion of the Aquia Creek PS from 2.88 mgd to 4.68 mgd.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

Flow projections and modeling indicate that the pumping station will have insufficient capacity to meet near-term flows. .



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	2,762,295	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	\$2,762,295	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	2,762,295	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,762,295	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

CAMP BARRETT SPS FM

Total Project Cost: \$1,595,569

Est. Opening Date: 2022

PROGRAM DESCRIPTION

This project will replace the Camp Barrett force main from the Camp Barrett pump station to Garrisonville Road.

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The purpose of the project is to increase the conveyance capacity of the existing force main to handle flows from Quantico Marine Corps Base.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	1,595,569	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	\$1,595,569	\$0	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	1,595,569	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,595,569	\$0	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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 Other

Stafford County FY16 Adopted Budget

Projects	Prior Funding	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	Total CIP (FY16-25)	Later Years Funding	Total Project Cost
Stafford County Complex	1,250,000	0	0	0	0	0	0	423,000	6,484,000	0	0	6,907,000	0	8,157,000
Vehicles & Equipment Replacements	426,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	3,500,000	0	3,926,000
Contingency Allowance	0	918,950	1,130,755	1,142,950	1,377,001	585,718	452,146	315,748	2,632,238	362,501	155,169	9,073,176		9,073,176
Total	\$1,676,000	\$1,268,950	\$1,480,755	\$1,492,950	\$1,727,001	\$935,718	\$802,146	\$1,088,748	\$9,466,238	\$712,501	\$505,169	\$19,480,176	\$0	\$21,156,176

STAFFORD COUNTY COMPLEX

Total Project Cost: \$8,157,000

Est. Opening Date: 2023

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal 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 approximately \$215,000 per year 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	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Planning/Design	0	0	0	0	0	0	0	423,000	0	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	6,295,000	0	0
Contingency	0	0	0	0	0	0	0	0	189,000	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0	\$0

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	1,250,000	0	0	0	0	0	0	423,000	6,484,000	0	0
Total	\$1,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$423,000	\$6,484,000	\$0	\$0

Operating Impacts	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	(135,688)	(138,402)	(141,170)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$135,688)	(\$138,402)	(\$141,170)

VEHICLES AND EQUIPMENT REPLACEMENTS

Total Project Cost: \$3,926,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

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

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

These vehicles and equipment allow us to respond in a timely manner to address problems in the water distribution and wastewater collection system. When they are needed, they must be ready to go.



PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	426,000	350,000	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	\$426,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0	0	0	0	0	0
User Fees	426,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000
Total	\$426,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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

CONTINGENCY ALLOWANCE

Total Project Cost: \$9,073,176

Est. Opening Date: Ongoing

PROGRAM DESCRIPTION

Funding is included in the planning period to provide contingent allowance for all capital projects.

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
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	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	918,950	1,130,755	1,142,950	1,377,001	585,718	452,146	315,748	2,632,238	362,501	155,169
Total	\$0	\$918,950	\$1,130,755	\$1,142,950	\$1,377,001	\$585,718	\$452,146	\$315,748	\$2,632,238	\$362,501	\$155,169

Funding Sources	Prior Year	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	918,950	0	0	0	0	0	0	2,632,238	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	1,130,755	1,142,950	1,377,001	585,718	452,146	315,748	0	362,501	155,169
Total	\$0	\$918,950	\$1,130,755	\$1,142,950	\$1,377,001	\$585,718	\$452,146	\$315,748	\$2,632,238	\$362,501	\$155,169

Operating Impacts		FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel		0	0	0	0	0	0	0	0	0	0
Operating		0	0	0	0	0	0	0	0	0	0
Debt Service		70,645	0	0	0	0	0	0	202,356	0	0
Revenue/Savings		0	0	0	0	0	0	0	0	0	0
Total		\$70,645	\$0	\$0	\$0	\$0	\$0	\$0	\$202,356	\$0	\$0



The 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.



Embrey Mill Park will be home to a multi-field, rectangular athletic field complex as well as the Jeff Rouse Swim and Sport Center. The first phase of the rectangular field complex will include four synthetic turf fields, two grass athletic fields, restrooms and concession buildings.

Embrey Mill Park funding includes bonds approved by voters in the 2009 Park Bond Referendum.

Who Are We?

- Virginia counties, unlike cities, do not have a legal debt limit.
- Revenue and refunding bonds and bonds for school capital projects are sold through the State's Literary Fund or the Virginia Public School Authority,
- Bonds sold through the Virginia Resource Authority or other state agency as prescribed by law requires 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.

Debt Management

Stafford County FY16 Adopted Budget

Bond Rating

The County's bond ratings are shown below:

	Moody's	Standard & Poor's	Fitch
General Obligation	Aa1	AA+	AA+
Lease Revenue	A1	A+	AA-
Water & Sewer	Aa2	AA	Not Rated

In April, 2015 Stafford County received positive financial news when Moody's Investors Service upgraded the County's bond rating to Aa1 from Aa2. This upgrade comes just two years after Moody's upgraded Stafford's outlook from stable to positive in 2013. Also in 2013, Standard & Poor's upgraded the County's bond rating from AA to an AA+, and Fitch Ratings upgraded the bond rating from AA to AA+.

Moody's said in a statement that "the Aa1 reflects the county's large growing tax base with above average wealth levels, healthy financial position evidenced by strong reserve levels..." Moody's also stated that "Stafford County's consistently sound financial position is supported by a history of conservative budgeting...The long standing management team has continued to fulfill its minimum 12% unassigned reserve policy and annually update the 10-year Capital Improvement Plan."

Rating agencies focus on four major areas when reviewing a community's financial standing: the economy, finances, debt and financial management, and governance. A high bond rating means that the County can borrow money at a lower cost, saving taxpayer money.

"This upgrade validates our work over the last several years to continually adopt responsible budgets that accomplish our shared goals for Stafford citizens," said Supervisor Bob Thomas, George Washington District representative and chairman of the Board's Finance, Audit and Budget Committee. "We have stayed the course and have proved that we can meet the needs of our community in areas such as education, public safety, infrastructure, and economic development, while also maintaining strict fiscal discipline."

Other factors that influenced Moody's rating for Stafford included the County's strong financial management, financial flexibility, history of conservative operating surpluses, and a multi-year trend of reserve and liquidity growth.

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 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

Stafford County FY16 Adopted Budget

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

	FY2014 Actual	FY2015 Budget	FY2016 Plan
Outcomes			
Debt Service	\$35,013,817	\$41,482,650	42,952,198
Debt Service per Capita	\$253	\$292	\$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	Aa1	Aa1	Aa
Fitch	AA+	AA+	AA+

DEPARTMENTAL ACCOMPLISHMENTS

- April 2015 Moody's Upgraded the County's bond rating from Aa2 to Aa1.
- In the effort to increase cash capital budget to 3% of the operating budget by FY2018, the FY2015 goal of 2.25% was achieved.

Analysis of Outstanding Debt

Stafford County FY16 Adopted Budget

General Obligation Bonds

School Bond - VPSA

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	288,526,489	16,971,219	271,555,270
2017	271,555,270	17,557,122	253,998,148
2018	253,998,148	17,478,499	236,519,649
2019	236,519,649	17,440,996	219,078,653
2020	219,078,653	16,746,214	202,332,439

Bonds for County Projects

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
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
2020	19,505,000	1,685,000	17,820,000

Revenue Bonds

Lease Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	76,120,000	3,805,000	72,315,000
2017	72,315,000	3,840,000	68,475,000
2018	68,475,000	3,895,000	64,580,000
2019	64,580,000	3,960,000	60,620,000
2020	60,620,000	4,095,000	56,525,000

Other Debt

Other- Equipment Leases- County Equipment

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	10,339,667	1,759,444	8,580,224
2017	8,580,224	1,806,095	6,774,128
2018	6,774,128	1,854,056	4,920,072
2019	4,920,072	1,535,087	3,384,985
2020	3,384,985	1,081,209	2,303,776

Literary Fund Loans

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
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
2020	648,441	216,149	432,292

Total General Obligation Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	317,084,526	19,137,368	297,947,158
2017	297,947,158	19,728,271	278,218,887
2018	278,218,887	19,639,648	258,579,239
2019	258,579,239	19,347,145	239,232,094
2020	239,232,094	18,647,363	220,584,731

General Government - Financing Lease - Crow's Nest

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
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
2020	4,892,694	495,247	4,397,447

Analysis of Outstanding Debt

Stafford County FY16 Adopted Budget

Utilities Fund

Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	95,339,840	2,924,720	92,415,120
2017	92,415,120	3,018,645	89,396,475
2018	89,396,475	3,118,160	86,278,315
2019	86,278,315	3,223,280	83,055,035
2020	83,055,035	3,329,015	79,726,020

Total Utilities Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2016	95,339,840	2,924,720	92,415,120
2017	92,415,120	3,018,645	89,396,475
2018	89,396,475	3,118,160	86,278,315
2019	86,278,315	3,223,280	83,055,035
2020	83,055,035	3,329,015	79,726,020

All Funds

Total All Funds Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2015	505,648,246	28,078,486	477,569,760
2016	477,569,760	28,855,420	448,714,340
2017	448,714,340	28,979,970	419,734,370
2018	419,734,370	28,549,562	391,184,808
2019	391,184,808	27,647,834	363,536,974

General Fund Bond Debt

Stafford County FY16 Adopted Budget

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

Virginia Resource Authority 2014B, Refunding of Series 2006 and
2008, Embrey Mill Park Improvements and Indoor Recreation
Center

Fiscal Year	Principal	Interest	Total	Balance
2008	\$0	\$0	\$0	\$28,030,000
2009	290,000	4,406,346	4,696,346	27,740,000
2010	2,810,000	4,298,944	7,108,944	24,930,000
2011	2,825,000	4,123,744	6,948,744	22,105,000
2012	2,835,000	3,974,644	6,809,644	19,270,000
2013	2,505,000	3,823,744	6,328,744	16,765,000
2014	2,505,000	3,684,544	6,189,544	14,260,000
2015	2,475,000	1,693,113	4,168,113	11,785,000
2016	2,505,000	520,450	3,025,450	9,280,000
2017	2,500,000	420,250	2,920,250	6,780,000
2018	2,500,000	320,250	2,820,250	4,280,000
2019	2,500,000	214,000	2,714,000	1,780,000
2020	0	89,000	89,000	1,780,000
2021	0	89,000	89,000	1,780,000
2022	0	89,000	89,000	1,780,000
2023	0	89,000	89,000	1,780,000
2024	0	89,000	89,000	1,780,000
2025	0	89,000	89,000	1,780,000
2026	0	89,000	89,000	1,780,000
2027	0	89,000	89,000	1,780,000
2028	0	89,000	89,000	1,780,000
2029	0	89,000	89,000	1,780,000
2030	0	89,000	89,000	1,780,000
2031	0	89,000	89,000	1,780,000
2032	890,000	89,000	979,000	890,000
2033	890,000	44,500	934,500	0
	<u>\$28,030,000</u>	<u>\$28,681,527</u>	<u>\$56,711,527</u>	

Fiscal Year	Principal	Interest	Total	Balance
2015	\$0	\$2,034,800	\$2,034,800	64,335,000
2016	1,300,000	2,826,863	\$4,126,863	63,035,000
2017	1,340,000	2,788,831	\$4,128,831	61,695,000
2018	1,395,000	2,729,547	\$4,124,547	60,300,000
2019	1,460,000	2,660,663	\$4,120,663	58,840,000
2020	4,095,000	2,526,641	\$6,621,641	54,745,000
2021	4,175,000	2,327,122	\$6,502,122	50,570,000
2022	4,265,000	2,117,097	\$6,382,097	46,305,000
2023	4,365,000	1,895,953	\$6,260,953	41,940,000
2024	2,830,000	1,711,581	\$4,541,581	39,110,000
2025	2,920,000	1,568,763	\$4,488,763	36,190,000
2026	3,020,000	1,422,975	\$4,442,975	33,170,000
2027	3,115,000	1,276,966	\$4,391,966	30,055,000
2028	3,215,000	1,133,659	\$4,348,659	26,840,000
2029	3,315,000	985,878	\$4,300,878	23,525,000
2030	3,420,000	833,494	\$4,253,494	20,105,000
2031	3,515,000	691,959	\$4,206,959	16,590,000
2032	2,685,000	578,791	\$3,263,791	13,905,000
2033	2,790,000	477,813	\$3,267,813	11,115,000
2034	2,885,000	372,109	\$3,257,109	8,230,000
2035	2,995,000	262,572	\$3,257,572	5,235,000
2036	2,560,000	156,219	\$2,716,219	2,675,000
2037	2,675,000	52,828	\$2,727,828	0
	<u>64,335,000</u>	<u>33,433,122</u>	<u>97,768,122</u>	

* Years 2020 through 2033 include funding for Courthouse area improvements, England Run Library and Patawomeck Park only

General Fund Bond Debt

Stafford County FY16 Adopted Budget

General Government - Crows Nest Series 2008

Fiscal Year	Principal	Interest	Total	Balance
2008	\$0	\$0	\$0	\$9,500,001
2009	352,741	269,707	622,448	9,147,260
2010	363,402	271,713	635,115	8,783,858
2011	374,386	260,729	635,115	8,409,472
2012	385,702	249,413	635,115	8,023,770
2013	397,360	237,755	635,115	7,626,410
2014	420,460	184,487	604,947	7,205,950
2015	441,736	163,211	604,947	6,764,214
2016	451,954	152,993	604,947	6,312,260
2017	462,409	142,538	604,947	5,849,851
2018	473,106	131,841	604,947	5,376,745
2019	484,050	120,897	604,947	4,892,695
2020	495,247	109,700	604,947	4,397,448
2021	506,703	98,244	604,947	3,890,745
2022	518,424	86,523	604,947	3,372,321
2023	530,416	74,530	604,946	2,841,905
2024	542,686	62,261	604,947	2,299,219
2025	555,240	49,707	604,947	1,743,979
2026	568,084	36,863	604,947	1,175,895
2027	581,225	23,722	604,947	594,670
2028	594,670	10,277	604,947	0
	<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	0
	<u>\$4,810,000</u>	<u>\$9,997</u>	<u>\$5,939,639</u>	

General Fund Bond Debt

Stafford County FY16 Adopted Budget

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

Fiscal Year	Principal	Interest	Total	Balance
				18,785,000
2015	935,000	436,923	1,371,923	17,850,000
2016	935,000	840,825	1,775,825	16,915,000
2017	940,000	808,100	1,748,100	15,975,000
2018	940,000	765,900	1,705,900	15,035,000
2019	940,000	718,900	1,658,900	14,095,000
2020	940,000	671,900	1,611,900	13,155,000
2021	940,000	624,900	1,564,900	12,215,000
2022	940,000	577,900	1,517,900	11,275,000
2023	940,000	530,900	1,470,900	10,335,000
2024	940,000	483,900	1,423,900	9,395,000
2025	940,000	436,900	1,376,900	8,455,000
2026	940,000	389,900	1,329,900	7,515,000
2027	940,000	342,900	1,282,900	6,575,000
2028	940,000	295,900	1,235,900	5,635,000
2029	940,000	248,900	1,188,900	4,695,000
2030	940,000	206,600	1,146,600	3,755,000
2031	940,000	169,000	1,109,000	2,815,000
2032	940,000	131,400	1,071,400	1,875,000
2033	940,000	93,800	1,033,800	935,000
2034	935,000	56,200	991,200	0
	<u>18,785,000</u>	<u>8,831,648</u>	<u>27,616,648</u>	

Transportation Service District General Obligation Bonds, Garrisonville District Series 2013

Fiscal Year	Principal	Interest	Total	Balance
				5,290,000
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	0
	<u>5,290,000</u>	<u>2,490,476</u>	<u>7,780,476</u>	

General Fund Lease Debt

Stafford County FY16 Adopted Budget

Communications System

Fiscal Year	Principal	Interest	Total	Balance
	\$0	\$0	\$0	\$8,707,998
2012	845,765	269,390	1,115,155	7,862,233
2013	880,846	234,309	1,115,155	6,981,387
2014	908,562	206,593	1,115,155	6,072,825
2015	937,149	178,006	1,115,155	5,135,676
2016	966,636	148,519	1,115,155	4,169,040
2017	997,051	118,104	1,115,155	3,171,990
2018	1,028,423	86,732	1,115,155	2,143,567
2019	692,504	58,641	751,145	1,451,062
2020	714,294	36,851	751,145	736,769
2021	736,769	14,376	751,145	0
	<u>\$8,707,998</u>	<u>\$1,351,522</u>	<u>\$10,059,520</u>	

Fire Rescue Self-Contained Breathing Apparatus (SCBA), Fire Rescue Heavy Rescue, Public Safety Computer Aided Dispatch

Fiscal Year	Principal	Interest	Total	Balance
				5,980,906
2015	776,915	129,278	906,193	5,203,991
2016	792,808	113,386	906,193	4,411,183
2017	809,044	97,149	906,193	3,602,139
2018	825,634	80,560	906,193	2,776,506
2019	842,583	63,610	906,193	1,933,923
2020	366,915	48,281	415,196	1,567,008
2021	376,591	38,605	415,196	1,190,416
2022	386,523	28,674	415,196	803,894
2023	396,716	18,480	415,196	407,178
2024	407,178	8,018	415,196	0
	<u>5,980,906</u>	<u>626,042</u>	<u>6,606,948</u>	

Utilities Fund Bond Debt

Stafford County FY16 Adopted Budget

Virginia Resource Authority - Little Falls Run

Fiscal Year	Principal	Interest	Total	Balance
				9,326,572
2012	179,131	640,886	820,017	9,147,441
2013	365,351	321,513	686,864	8,782,090
2014	378,429	308,435	686,864	8,403,661
2015	391,982	294,882	686,864	8,011,679
2016	406,020	280,843	686,863	7,605,659
2017	420,562	266,301	686,863	7,185,097
2018	435,624	251,238	686,862	6,749,473
2019	451,227	235,637	686,864	6,298,246
2020	467,387	219,476	686,863	5,830,859
2021	484,127	202,737	686,864	5,346,732
2022	501,466	185,397	686,863	4,845,266
2023	519,426	167,437	686,863	4,325,840
2024	538,029	148,835	686,864	3,787,811
2025	557,299	129,565	686,864	3,230,512
2026	577,258	109,606	686,864	2,653,254
2027	597,933	88,930	686,863	2,055,321
2028	619,348	67,516	686,864	1,435,973
2029	641,530	45,334	686,864	794,443
2030	664,506	22,357	686,863	129,937
2031	129,937	2,306	132,243	0
	<u>9,326,572</u>	<u>3,989,231</u>	<u>13,315,803</u>	

Virginia Resources Authority - Aquia

Fiscal Year	Principal	Interest	Total	Balance
				23,386,039
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>	

Utilities Fund Bond Debt

Stafford County FY16 Adopted Budget

Virginia Resources Authority - 2012 Rocky Pen Run Dam and Reservoir,
Rocky Pen Run Water Treatment Facility, Various water distribution
projects and infrastructure improvements.

Virginia Resources Authority - 2014 Various water distribution projects and
infrastructure improvements.

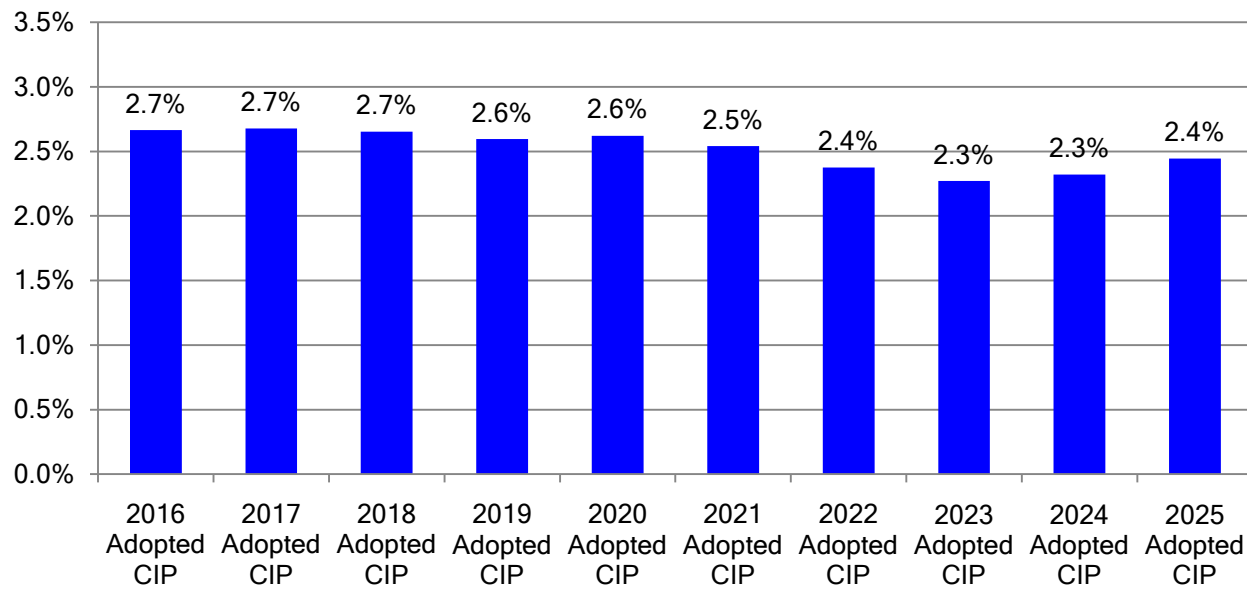
Fiscal Year	Principal	Interest	Total	Balance
				53,891,481
2012	536,481	2,314,858	2,851,339	53,355,000
2013	810,000	2,606,713	3,416,713	52,545,000
2014	845,000	2,573,678	3,418,678	51,700,000
2015	885,000	2,531,846	3,416,846	50,815,000
2016	930,000	2,489,462	3,419,462	49,885,000
2017	975,000	2,444,772	3,419,772	48,910,000
2018	1,020,000	2,398,225	3,418,225	47,890,000
2019	1,070,000	2,349,243	3,419,243	46,820,000
2020	1,125,000	2,292,996	3,417,996	45,695,000
2021	1,180,000	2,239,181	3,419,181	44,515,000
2022	1,235,000	2,184,397	3,419,397	43,280,000
2023	1,295,000	2,121,416	3,416,416	41,985,000
2024	1,365,000	2,053,254	3,418,254	40,620,000
2025	1,435,000	1,981,503	3,416,503	39,185,000
2026	1,510,000	1,910,588	3,420,588	37,675,000
2027	1,580,000	1,840,706	3,420,706	36,095,000
2028	1,650,000	1,767,637	3,417,637	34,445,000
2029	1,730,000	1,685,975	3,415,975	32,715,000
2030	1,825,000	1,594,878	3,419,878	30,890,000
2031	1,920,000	1,498,912	3,418,912	28,970,000
2032	2,020,000	1,397,950	3,417,950	26,950,000
2033	2,125,000	1,294,935	3,419,935	24,825,000
2034	2,230,000	1,186,538	3,416,538	22,595,000
2035	2,350,000	1,069,175	3,419,175	20,245,000
2036	2,470,000	945,663	3,415,663	17,775,000
2037	2,600,000	815,744	3,415,744	15,175,000
2038	2,740,000	678,906	3,418,906	12,435,000
2039	2,885,000	534,766	3,419,766	9,550,000
2040	3,030,000	387,719	3,417,719	6,520,000
2041	3,180,000	237,863	3,417,863	3,340,000
2042	3,340,000	80,562	3,420,562	0
	53,891,481	51,510,061	105,401,542	

Fiscal Year	Principal	Interest	Total	Balance
				24,385,000
2016		2,314,858	2,314,858	24,385,000
2017	810,000	2,606,713	3,416,713	23,575,000
2018	845,000	2,573,678	3,418,678	22,730,000
2019	885,000	2,531,846	3,416,846	21,845,000
2020	930,000	2,489,462	3,419,462	20,915,000
2021	975,000	2,444,772	3,419,772	19,940,000
2022	1,020,000	2,398,225	3,418,225	18,920,000
2023	1,070,000	2,349,243	3,419,243	17,850,000
2024	1,125,000	2,292,996	3,417,996	16,725,000
2025	1,180,000	2,239,181	3,419,181	15,545,000
2026	1,235,000	2,184,397	3,419,397	14,310,000
2027	1,295,000	2,121,416	3,416,416	13,015,000
2028	1,365,000	2,053,254	3,418,254	11,650,000
2029	1,435,000	1,981,503	3,416,503	10,215,000
2030	1,510,000	1,910,588	3,420,588	8,705,000
2031	1,580,000	1,840,706	3,420,706	7,125,000
2032	1,650,000	1,767,637	3,417,637	5,475,000
2033	1,730,000	1,685,975	3,415,975	3,745,000
2034	1,825,000	1,594,878	3,419,878	1,920,000
2035	1,920,000	1,498,912	3,418,912	0
	24,385,000	42,880,240	67,265,240	

Debt As A Percentage Of Assessed Value

Stafford County FY16 Adopted Budget

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

Stafford County FY16 Adopted 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.

