

Capital Improvements Program and Debt Management

Stafford County FY18 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.



Garrisonville Road Widening (\$13,765,478):

Design and construction of the Garrisonville Road Widening project is under the Public Private Transportation Act. The improvements are located between Onville Road and Eustace Road and part of the 2008 Transportation Bond Referendum. The Projected completion date is October 2018.

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.
- The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions. The development of the shared CIP will take approximately ten months each planning year and go through several committee reviews and ranking by County and School staff. The County Administrator, along with input from the Superintendent will review the committee's work and forward a recommendation to both the School Board and Board of Supervisors

Debt Management

- Analysis of Outstanding Debt for Fiscal Years 2018-2022
- 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.
- 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.



Embrey Mill Park
Athletic Fields Phase 2

Embrey Mill Park is home to a multi-field, rectangular athletic field complex. The Park was funded by the 2009 Park Bond Referendum and proffers. Phase 2 includes two lighted synthetic turf fields, a restroom, and parking

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. An 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

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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

Stafford County FY18 Adopted Budget

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 33.2-357 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. Motor Fuels Taxes, accumulated by Potomac Rappahannock Transportation (PRTC), 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.



Government Island Ramp

Before and after photos of the new ramp at Government Island. Funding for the repairs and upgrades was provided with FY2017 cash capital funds.



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

- The CIP allocates capital improvement funds between the Schools and General Government and 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. The 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 April 2017. Debt limitations are as follows:

- General obligation debt shall not exceed 3% of the assessed valuation of taxable real property.
- General fund debt service expenditures (County and Schools) shall not exceed 10% of the general government and schools operating budgets.
- 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 FY2018 - FY2027 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 and increased the County's cash capital minimum from 1% to 3% of General Fund budget by FY2018. In FY2017 3.00% of the County's operating budget was set aside for cash capital projects. Attaining our goal one year early.
- Bond-funded portion for the ten year period is \$14.3M less than the previous CIP.
- Tentative referenda for future projects.
 - Parks
 - Transportation

New or Updated Projects

Public Works

- Revised Projects:
 - Courthouse, scope of project changed from expansion to new project

County Government and Schools Joint Process

The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service. The development of the CIP will be structured to provide a more equitable process that benefits the citizens of Stafford County and will mold future CIP submissions. The development of the shared CIP will take approximately ten months each planning year and go through several committee reviews and ranking by County and School staff. The County Administrator, along with input from the Superintendent will review the committee's work and forward a recommendation to both the School Board and Board of Supervisors.

SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Stafford County FY18 Adopted Budget

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total Funding
Public Safety*	1,172,330	10,008,670	5,892,706	3,049,000	8,392,000	3,006,000	2,885,000	3,063,000	3,077,000	3,736,000	3,625,000	47,906,706
Information Technology	0	755,000	655,000	657,000	479,000	545,000	360,000	525,000	800,000	425,000	1,070,000	6,271,000
Parks, Recreation and Community Facilities*	0	915,000	853,000	925,000	1,428,000	1,292,000	1,643,000	1,927,000	1,305,000	1,730,000	650,000	12,668,000
Public Works*	0	300,000	300,000	4,922,000	66,687,000	300,000	300,000	300,000	300,000	300,000	300,000	74,009,000
Transportation*	34,646,444	25,088,644	11,338,870	14,133,509	17,974,297	12,754,000	3,628,350	0	0	0	1,575,000	121,139,114
County bond projects to be Determined	0	0	0	0	7,497,000	4,874,000	28,948,700	2,600,000	2,600,000	2,600,000	2,000,000	51,119,700
Schools	0	25,045,087	15,795,000	10,805,000	11,357,741	15,266,300	50,275,000	38,910,000	25,120,039	29,560,000	28,085,300	250,219,467
Project Total	\$35,818,774	\$62,112,401	\$34,834,576	\$34,491,509	\$113,815,038	\$38,037,300	\$88,040,050	\$47,325,000	\$33,202,039	\$38,351,000	\$37,305,300	\$563,332,987

*Funding for all TBD projects presented in the above category "County bond projects to be Determined". *Funding for all TBD projects will be reevaluated during the FY2019-2028 CIP process. The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions.

Funding Summary	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total
County	6,570,670	0	0	73,884,000	4,874,000	28,948,700	2,600,000	2,600,000	2,600,000	3,025,000	125,102,370
Schools	17,648,587	4,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300	\$178,172,967
Bond (Projects to be determined FY20-27)	\$24,219,257	\$4,350,000	\$3,400,000	\$78,711,741	\$12,735,300	\$73,418,700	\$37,305,000	\$21,135,039	\$26,200,000	\$21,800,300	\$303,275,337
Master Lease	1,585,000	4,172,000	1,432,000	7,039,000	1,519,000	1,500,000	1,661,000	1,660,000	2,299,000	1,762,000	\$24,629,000
Cash Funded - County	4,678,200	3,438,000	8,121,000	3,560,000	3,624,000	3,688,000	4,154,000	3,822,000	3,892,000	3,883,000	\$42,860,200
Cash Funded - Schools	7,396,500	11,445,000	7,405,000	6,530,000	7,405,000	5,805,000	4,205,000	6,585,000	5,960,000	9,310,000	\$72,046,500
Proffers/Capital Project Reserve	935,856	0	0	0	0	0	0	0	0	25,000	\$960,856
Service District Supported GO Bonds	0	0	0	14,200,000	0	0	0	0	0	0	\$14,200,000
Service District	1,109,966	0	0	0	0	0	0	0	0	0	\$1,109,966
Fuel Tax	123,600	721,358	0	0	0	0	0	0	0	0	\$844,958
Revenue Sharing	1,042,068	0	4,600,000	9,600,000	0	0	0	0	0	0	\$15,242,068
State/Federal	4,430,041	8,580,303	2,670,266	2,069,122	854,000	3,628,350	0	0	0	0	\$22,232,082
Impact Fees	1,140,019	500,000	1,532,921	500,000	500,000	0	0	0	0	0	\$4,172,940
Asset Forfeiture	420,000	90,706	0	0	0	0	0	0	0	0	\$510,706
Total Funding Sources	\$47,080,507	\$33,297,367	\$29,161,187	\$122,209,863	\$26,637,300	\$88,040,050	\$47,325,000	\$33,202,039	\$38,351,000	\$36,780,300	\$502,084,613

Revenue sharing for transportation projects is shown in the year funding is approved, not when the expenditure occurs.

Summary of Bond Funded Projects

Stafford County FY18 Adopted Budget

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

Agency	Projects	Opening Date (CY)	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total This Period
Public Safety	Fire & Rescue Station 14		6,570,670	0	0	0	0	0	0	0	0	0	6,570,670
Public Works	Courthouse ¹		0	0	0	66,387,000	0	0	0	0	0	0	66,387,000
County Projects	To Be Determined		0	0	0	7,497,000	4,874,000	28,948,700	2,600,000	2,600,000	2,600,000	3,025,000	52,144,700
Subtotal County Projects			\$6,570,670	\$0	\$0	\$73,884,000	\$4,874,000	\$28,948,700	\$2,600,000	\$2,600,000	\$2,600,000	\$3,025,000	\$125,102,370
School Projects	Moncure Elementary Rebuild		16,431,000	1,000,000	0	0	0	0	0	0	0	0	17,431,000
	Infrastructure		1,217,587	0	0	0	0	0	0	0	0	0	1,217,587
	To Be Determined		0	3,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300	159,524,380
Subtotal School Projects			\$17,648,587	\$4,350,000	\$3,400,000	\$4,827,741	\$7,861,300	\$44,470,000	\$34,705,000	\$18,535,039	\$23,600,000	\$18,775,300	\$178,172,967
Total All Projects			\$24,219,257	\$4,350,000	\$3,400,000	\$78,711,741	\$12,735,300	\$73,418,700	\$37,305,000	\$21,135,039	\$26,200,000	\$21,800,300	\$303,275,337

Bond Funded Summary (master lease not included)			FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total
County			\$6,570,670	\$0	\$0	\$73,884,000	\$4,874,000	\$28,948,700	\$2,600,000	\$2,600,000	\$2,600,000	\$3,025,000	\$125,102,370
Schools			\$17,648,587	\$4,350,000	\$3,400,000	\$4,827,741	\$7,861,300	\$44,470,000	\$34,705,000	\$18,535,039	\$23,600,000	\$18,775,300	\$178,172,967
Total Borrows			\$24,219,257	\$4,350,000	\$3,400,000	\$78,711,741	\$12,735,300	\$73,418,700	\$37,305,000	\$21,135,039	\$26,200,000	\$21,800,300	\$303,275,337
Availability Limit			24,220,257	17,665,000	42,839,000	33,247,000	18,129,000	70,973,000	29,517,000	18,940,000	25,944,780	22,733,000	304,208,037
Cumulative (Deficit)/Surplus			1,000	13,316,000	52,755,000	7,290,259	12,683,959	10,238,259	2,450,259	255,220	0	932,700	

Debt Service			FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Existing Bond Debt Service			44,151,756	42,739,808	40,964,240	39,124,841	38,140,176	36,156,402	34,128,553	33,047,850	32,916,075	32,265,661
New Bond Debt Service				2,027,000	2,391,000	2,676,000	9,263,000	10,329,000	16,473,000	19,595,000	21,364,000	23,556,000
Total Bond Debt			\$44,151,756	\$44,766,808	\$43,355,240	\$41,800,841	\$47,403,176	\$46,485,402	\$50,601,553	\$52,642,850	\$54,280,075	\$55,821,661
				\$2,027,000	\$2,391,326	\$2,675,835	\$9,262,162	\$10,327,843	\$16,471,471	\$19,593,128	\$21,361,694	\$23,554,092

*Bonds will be sold in the Spring of 2017 for Animal Shelter, Parks and Transportation.

**Future Transportation and Parks projects will require a bond referendum.

¹ Courthouse project represents concept A1 (all three Courts in one building). \$4.6M will be funded with cash.

STAFFORD COUNTY JOINT CIP PROCESS IMPLEMENTATION

The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions. The development of the shared CIP will take approximately ten months each planning year and go through several committee reviews and ranking by County and School staff. The County Administrator, along with input from the Superintendent will review the committee's work and forward a recommendation to both the School Board and Board of Supervisors.

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 projected 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 budget impacts of the CIP.

Operating and Debt Service Impacts

Stafford County FY18 Adopted Budget

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

Project	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total This Period
Fire & Rescue Station New	0	1,727,000	1,593,000	1,641,000	1,689,000	1,739,000	1,792,000	1,845,000	1,900,000	1,958,000	15,884,000
Body Cameras	0	475,000	455,000	466,000	477,000	503,000	518,000	533,000	550,000	566,000	4,543,000
Information Technology	5,000	5,200	20,408	26,224	32,273	38,564	45,107	51,911	58,988	66,347	350,022
Courthouse Addition	0	0	0	0	2,013,000	1,878,000	1,935,000	1,993,000	2,053,000	2,115,000	11,987,000
Belmont Ferry Farm Trail	0	90,000	60,000	62,000	64,000	65,000	67,000	69,000	71,000	73,000	621,000
	\$5,000	\$2,297,200	\$2,128,408	\$2,195,224	\$4,275,273	\$4,223,564	\$4,357,107	\$4,491,911	\$4,632,988	\$4,778,347	\$33,385,022

Debt Service Impacts

The County's Capital Improvement Program was developed to comply with the Board of supervisors' financial policies.

Project	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total This Period
Fire & Rescue Station 14	0	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	\$4,950,000
Courthouse Addition	0	0	0	0	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000	\$33,330,000
County To Be Determined	0	0	0		627,344	1,035,197	3,457,605	3,675,171	3,892,737	4,110,304	\$16,798,358
Moncure Elementary	0	1,375,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	\$13,047,000
Schools Infrastructure	0	102,000	102,000	102,000	102,000	102,000	102,000	102,000	102,000	102,000	\$918,000
Schools To Be Determined	0	0	280,326	564,835	968,818	1,626,646	5,347,866	8,251,957	9,802,957	11,777,789	\$38,621,193
New Debt Service	\$0	\$2,027,000	\$2,391,326	\$2,675,835	\$9,262,162	\$10,327,843	\$16,471,471	\$19,593,128	\$21,361,694	\$23,554,092	
Existing Debt Service	\$44,151,756	\$42,739,808	\$40,964,240	\$39,124,841	\$38,140,176	\$36,156,402	\$34,128,553	\$33,047,850	\$32,916,075	\$32,265,661	
	\$44,151,756	\$44,766,808	\$43,355,565	\$41,800,676	\$47,402,338	\$46,484,245	\$50,600,024	\$52,640,977	\$54,277,769	\$55,819,754	

Master Lease Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total This Period
Replacement Apparatus	0	210,000	458,000	648,000	911,000	1,113,000	1,312,000	1,532,000	1,752,000	2,057,000	9,993,000
Computer-aided Dispatch System	0	0	0	0	584,000	584,000	584,000	584,000	584,000	584,000	3,504,000
Public Safety Command Bus	0	0	0	0	86,000	86,000	86,000	86,000	86,000	86,000	516,000
Cardiac Equipment Replacement	0	0	539,308	539,308	539,308	539,308	539,308	0	0	0	2,696,542
New Master Lease	\$0	\$210,000	\$997,308	\$1,187,308	\$2,120,308	\$2,322,308	\$2,521,308	\$2,202,000	\$2,422,000	\$2,727,000	\$16,709,542
Existing Master Lease	3,156,899	2,792,890	2,301,892	2,301,892	1,111,528	749,911	749,911	334,715	334,716	0	
	\$3,156,899	\$3,002,890	\$3,299,201	\$3,489,201	\$3,231,837	\$3,072,220	\$3,271,220	\$2,536,715	\$2,756,716	\$2,727,000	
Total Debt	\$47,308,656	\$47,769,698	\$46,654,766	\$45,289,877	\$50,634,174	\$49,556,465	\$53,871,243	\$55,177,692	\$57,034,485	\$58,546,754	



PUBLIC SAFETY

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
TBD Fire & Rescue Training Center													
TBD Fire & Rescue Station - New													
Simulator	0	420,000	0	0	0	0	0	0	0	0	0	0	420,000
Public Safety Infrastructure	0	609,000	806,000	793,000	529,000	663,000	561,000	578,000	593,000	613,000	1,039,000	0	6,784,000
Fire Rescue Station 14	1,172,330	6,570,670	0	0	0	0	0	0	0	0	0	0	7,743,000
Fire & Rescue Replacement Apparatus	0	2,409,000	2,693,000	2,256,000	2,807,000	2,343,000	2,324,000	2,485,000	2,484,000	3,123,000	2,586,000	0	25,510,000
Computer-Aided Dispatch System	0	0	0	0	4,405,000	0	0	0	0	0	0	0	4,405,000
Command Bus Replacement	0	0	0	0	651,000	0	0	0	0	0	0	0	651,000
Cardiac Equipment Replacement	0	0	2,303,000	0	0	0	0	0	0	0	0	0	2,303,000
Body Cameras	0	0	90,706	0	0	0	0	0	0	0	0	0	90,706
Total	\$1,172,330	\$10,008,670	\$5,892,706	\$3,049,000	\$8,392,000	\$3,006,000	\$2,885,000	\$3,063,000	\$3,077,000	\$3,736,000	\$3,625,000	\$0	\$47,906,706

*Funding for all TBD projects presented in the above categories will be reevaluated during the FY2019-2028 CIP process. The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions.

Funding Sources	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	1,013,708	1,433,000	1,630,000	1,815,000	1,353,000	1,487,000	1,385,000	1,402,000	1,417,000	1,437,000	1,863,000
Bonds	0	6,570,670	0	0				0	0	0	0
Master Lease	0	1,585,000	4,172,000	1,432,000	7,039,000	1,519,000	1,500,000	1,661,000	1,660,000	2,299,000	1,762,000
Proffers/Capital Project Reserve	158,622	0	0	350,000	0	0	0	0	0	0	0
Asset Forfeiture	0	420,000	90,706	0	0	0	0	0	0	0	0
Total	\$1,172,330	\$10,008,670	\$5,892,706	\$3,597,000	\$8,392,000	\$3,006,000	\$2,885,000	\$3,063,000	\$3,077,000	\$3,736,000	\$3,625,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	1,774,000	1,827,000	1,883,000	1,939,000	1,997,000	2,057,000	2,118,000	2,182,000	2,248,000
Operating	0	428,000	221,000	224,000	227,000	245,000	253,000	260,000	268,000	276,000
Debt Service	0	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000
Debt Service Master Lease	0	210,000	997,308	1,187,308	2,120,308	2,322,308	2,521,308	2,202,000	2,422,000	2,727,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,962,000	\$3,595,308	\$3,844,308	\$4,836,308	\$5,114,308	\$5,381,308	\$5,130,000	\$5,422,000	\$5,801,000

TRAINING CENTER

Total Project Cost: \$6,945,000

Est. Opening Date: 2020

[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 provide equipment and training props 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. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS

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 - This project includes \$548,000 in proffers and current revenue as a funding source

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											

Total

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
Bonds											
Master Lease											
Proffers/Capital Project Reserve											

Total

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Master Lease										
Revenue/Savings										

Total

FIRE AND RESCUE STATION - NEW

Total Project Cost: \$10,032,000

Est. Opening Date: 2023

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 an engine and a medic unit. The location of the station has not been determined and is being studied at this time. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY 2019 PROCESS

OPERATING IMPACT SUMMARY

Operating impacts associated with this project include personnel for the engine and medic unit, operating and one time start up costs.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											
Total											

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
Bonds											
Master Lease											
Proffers/Capital Project Reserve											
In-Kind											
Total											

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Master Lease										
Revenue/Savings										
Total										

SHERIFF SIMULATOR

Total Project Cost: \$420,000

Est. Opening Date: 2018

PROGRAM DESCRIPTION

The Sheriff's department intends to purchase a state of the art three dimensional use of force simulator to enhance deputy training and provide public education. The current level of required initial training, and continuous retraining, in techniques and decisions of use of force, in an environment that is as close to reality as possible is essential to the goals of protecting the community, individual constitutional rights and insuring Sheriff's Deputies survive each shift. Furthermore, it is important to educate the public through experiential learning to the realities of the encounters that lead to decisions regarding the appropriate use of force. The simulator will be installed in available space (after updated build-out) in the Ford T. Humphrey Public Safety Building. The funds for build-out have been requested in a separate cash capital request.



OPERATING IMPACT SUMMARY

No operating impacts are associated with this project

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
0	0	420,000	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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
Asset Forfeiture	0	420,000	0	0	0	0	0	0	0	0	0
Total	\$0	\$420,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Public Safety Infrastructure

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

Total Project Cost: \$6,784,000

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 will be allocated annually based on location needs.

The County's microwave transmission equipment, located on 14 towers, has reached the end of the projected service life (10 years). The agency is proposing to begin replacing the microwave equipment immediately, two per year and then place each unit in a scheduled 10 year replacement cycle. In addition, each tower site operates a battery back-up system that provides essential power during emergencies, if and when, land based power is interrupted. The systems have exceeded the projected service life and are experiencing catastrophic failure. The agency is proposing to begin replacing the tower battery back-up systems immediately, two per year.

Evidence Room expansion and purification system for basement of public safety building.

OPERATING IMPACT SUMMARY

No additional operating impacts are associated with this project

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Radio tower upgrades	0	412,000	437,000	450,000	464,000	524,000	492,000	507,000	520,000	538,000	554,000
Safety improvements	0	41,000	258,000	0	0	0	0	0	0	0	485,000
Expansions/Rehabs	0	156,000	111,000	343,000	65,000	139,000	69,000	71,000	73,000	75,000	0
Total	\$0	\$609,000	\$806,000	\$793,000	\$529,000	\$663,000	\$561,000	\$578,000	\$593,000	\$613,000	\$1,039,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	609,000	806,000	793,000	529,000	663,000	561,000	578,000	593,000	613,000	1,039,000
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	\$609,000	\$806,000	\$793,000	\$529,000	\$663,000	\$561,000	\$578,000	\$593,000	\$613,000	\$1,039,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Public Safety Infrastructure

	Project Amount
FY2018 Projects	
Public Safety Building evidence room expansion -	50,000
PSB air purification system	41,000
PSB radio tower microwave and battery replacement	412,000
Aquia rehab	47,000
Funds to address deficiencies in older stations	59,000
FY2018 Total	609,000
FY2019 Projects	
Funds to address deficiencies in older stations	61,000
PSB exit security upgrades to entrance blockade and fence	258,000
PSB radio tower microwave and battery replacement	437,000
Firing range facilities	50,000
FY2019 Total	806,000
FY2020 Projects	
Funds to address deficiencies in older stations	63,000
Firing range facilities	280,000
PSB radio tower microwave and battery replacement	450,000
FY2020 Total	793,000
FY2021 Projects	
Funds to address deficiencies in older stations	65,000
Radio tower microwave and battery replacement	464,000
FY2021 Total	529,000
FY2022 Projects	
Funds to address deficiencies in older stations	67,000
Tower site generators	46,000
Fire company stations HVAC replacements: stations 2, 10 and 12	72,000
Radio tower microwave and battery replacement	478,000
FY2022 Total	663,000

Public Safety Infrastructure

FY2023 Projects

Funds to address deficiencies in older stations
Radio tower microwave and battery replacement

	69,000
	492,000
FY2023 Total	561,000

FY2024 Projects

Funds to address deficiencies in older stations
Radio tower microwave and battery replacement

	\$71,000
	507,000
FY2024 Total	578,000

FY2025 Projects

Funds to address deficiencies in older stations
Radio tower microwave and battery replacement

	73,000
	520,000
FY2025 Total	593,000

FY2026 Projects

Funds to address deficiencies in older stations
Radio tower microwave and battery replacement

	75,000
	538,000
FY2026 Total	613,000

FY2027 Projects

Security upgrades to PSB
Radio tower microwave and battery replacement

	485,000
	554,000
FY2027 Total	1,039,000
Total FY2018 thru FY2027	\$6,784,000

FIRE AND RESCUE STATION 14

Total Project Cost: \$7,743,000

Est. Opening Date: 2017

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 funds for property acquisition. Property was purchased in FY2011. There would also be a need for one time start up costs for the facility.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	172,330	0	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	6,024,670	0	0	0	0	0	0	0	0	0
Contingency	0	546,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,172,330	\$6,570,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	1,013,708	0	0	0	0	0	0	0	0	0	0
Bonds	0	6,570,670	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	158,622	0	0	0	0	0	0	0	0	0	0
Total	\$1,172,330	\$6,570,670	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	1,505,000	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	222,000	43,000	44,000	44,000	45,000	47,000	48,000	49,000	51,000
Debt Service	0	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000	550,000
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	\$2,277,000	\$2,143,000	\$2,191,000	\$2,239,000	\$2,289,000	\$2,342,000	\$2,395,000	\$2,450,000	\$2,508,000

REPLACEMENT APPARATUS

Total Project Cost: \$25,510,000

Est. Opening Date: On-going

Links to Board's Strategic Initiatives

- Supports the Principles of High Performance Financial
- 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.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Ambulance	0	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000
Engines	0	1,294,000	666,000	686,000	707,000	728,000	1,500,000	0	796,000	820,000	845,000
Specialty Apparatus	0	291,000	1,203,000	746,000	1,276,000	791,000	0	1,661,000	864,000	1,479,000	917,000
Total	\$0	\$2,409,000	\$2,693,000	\$2,256,000	\$2,807,000	\$2,343,000	\$2,324,000	\$2,485,000	\$2,484,000	\$3,123,000	\$2,586,000

3 ambulances 2 engines 1 fire boat	3 ambulances 1 engine 1 ladder	3 ambulances 1 engine 1 tanker	3 ambulances 1 engine 1 ladder	3 ambulances 1 engine 1 tanker	3 ambulances 2 engines	3 ambulances 1 heavy rescue squad	3 ambulances 1 engine 1 tanker	3 ambulances 1 engine 1 ladder	3 ambulances 1 engine 1 tanker
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Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000	824,000
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	1,585,000	1,869,000	1,432,000	1,983,000	1,519,000	1,500,000	1,661,000	1,660,000	2,299,000	1,762,000
Proffers/Capital Project Reserve	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,409,000	\$2,693,000	\$2,256,000	\$2,807,000	\$2,343,000	\$2,324,000	\$2,485,000	\$2,484,000	\$3,123,000	\$2,586,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	210,000	458,000	648,000	911,000	1,113,000	1,312,000	1,532,000	1,752,000	2,057,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$210,000	\$458,000	\$648,000	\$911,000	\$1,113,000	\$1,312,000	\$1,532,000	\$1,752,000	\$2,057,000

Computer-Aided Dispatch System

Total Project Cost: \$4,405,000

Est. Opening Date: 2021

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

- Supports the BOS Public Safety Initiative

PROGRAM DESCRIPTION

A Computer Aided Dispatch System (CAD) is essential in the processing of emergency calls. Computer-Aided dispatch is hardware and software infrastructure that processes calls and dispatches public safety providers. The current CAD System is technologically outdated which diminishes its operational capabilities, and makes technical support difficult and expensive. The replacement of the system is critical as it is used to dispatch our public safety service providers. A new system will ensure reliability, improve response times, and enhance capabilities.

OPERATING IMPACT SUMMARY

There are no additional operating impacts associated with this project.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	4,098,000	0	0	0	0	0	0
Contingency	0	0	0	0	307,000	0	0	0	0	0	0
Other - Annual Maintenance	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$4,405,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	4,405,000	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	\$4,405,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	584,000	584,000	584,000	584,000	584,000	584,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$584,000	\$584,000	\$584,000	\$584,000	\$584,000	\$584,000

Public Safety Command Bus Replacement

Total Project Cost: \$651,000

Est. Opening Date: 2021

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

- Supports the BOS Public Safety Priority

PROGRAM DESCRIPTION

The current command bus is approaching 13 years in service. Most of the technologies purchased as a part of the command bus are also approaching 13 years old and have or will soon reach their end of life. An upgrade approximately eight years ago, funded by a grant, extended the life of the bus. The command bus continues to operate as an alternate communications center and doubles as a command post for special events, unique and extended investigations, and as a means to continue operations in the face of natural or manmade disasters that can affect operations of the emergency communications center. Newer technologies will make the use of the command bus and its capabilities more efficient and prevent the limitations in functionality currently imposed due to the old technology and limited space. This bus, when needed, supports a critical function that must be system ready at a moments notice and capable of delivering necessary services.



OPERATING IMPACT SUMMARY

There are no additional operating impacts associated with this project.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	651,000	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	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	651,000	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	\$651,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	86,000	86,000	86,000	86,000	86,000	86,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000	\$86,000

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 replace 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

There will be no operating costs associated with this project

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,303,000	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	\$2,303,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	0	0	0	0
Master Lease	0	0	2,303,000	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	\$2,303,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	539,308	539,308	539,308	539,308	539,308			
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$539,308	\$539,308	\$539,308	\$539,308	\$539,308	\$0	\$0	\$0

Body-Worn Camera Project

Total Project Cost: \$90,706

Est. Opening Date: 2018

PROGRAM DESCRIPTION

The Sheriff's department proposes to implement an officer body camera program consisting of approximately 100 camera units for full Field Operations deployment. This would include deployment to patrol, the Traffic Unit, the Special Problems Unit, and School Resource Officers. It would include cloud data storage and local software to manage the camera footage. The body camera system can lead to greater transparency, protection from false allegations, be used to hold deputies accountable for proper allegations, have evidentiary value, add to training scenarios and opportunities, and capture use of force incidents, as well as, other value added contributions.



OPERATING IMPACT SUMMARY

Operating impacts include three new positions. One Deputy position for the Sheriff and one Paralegal and one assistant Commonwealth Attorney positions for the Commonwealths Attorney's Office. There will be a \$30,000 one time cost in FY18 for software for both Commonwealth Attorney and Sheriff offices. On going expenses include yearly maintenance charges, data storage and operating expenditures for new personnel. the yearly maintenance fee includes replacement of cameras every 2 1/2 years and replacement or repairs of damaged cameras.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	90,706	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	\$0	\$90,706	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 Reserve	0	0	0	0	0	0	0	0	0	0	0
Asset Forfeiture	0	0	90,706	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$90,706	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	269,000	277,000	286,000	294,000	303,000	312,000	321,000	331,000	341,000
Operating	0	206,000	178,000	180,000	183,000	200,000	206,000	212,000	219,000	225,000
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	\$475,000	\$455,000	\$466,000	\$477,000	\$503,000	\$518,000	\$533,000	\$550,000	\$566,000



INFORMATION TECHNOLOGY SUMMARY

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
Information Technology Infrastructure	0	755,000	655,000	657,000	479,000	545,000	360,000	525,000	800,000	425,000	1,070,000	0	6,271,000
Total	\$0	\$755,000	\$655,000	\$657,000	\$479,000	\$545,000	\$360,000	\$525,000	\$800,000	\$425,000	\$1,070,000	\$0	\$6,271,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	755,000	655,000	657,000	479,000	545,000	360,000	525,000	800,000	425,000	1,070,000
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	\$755,000	\$655,000	\$657,000	\$479,000	\$545,000	\$360,000	\$525,000	\$800,000	\$425,000	\$1,070,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	5,200	20,408	26,224	32,273	38,564	45,107	51,911	58,988	66,347
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	\$5,200	\$20,408	\$26,224	\$32,273	\$38,564	\$45,107	\$51,911	\$58,988	\$66,347

INFORMATION TECHNOLOGY INFRASTRUCTURE

Total Project Cost: \$6,271,000

Est. Opening Date: On-going

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

- Information Technology Strategic Plan
- Principles of High Performance Financial

PROGRAM DESCRIPTION

Information Technology (IT) 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 Storage Area Network (SAN) 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.

Last year IT installed a cloud-based managed WiFi system in the Administration Center. The goal is to extend the WiFi system into the Public Safety Center, Courthouse building and our remote sites.

Our goal is to extend our fiber network to as many remote sites as possible by utilizing the Schools existing fiber network. Fiber provides a much more stable network for computers and phones than current cable internet providers and it will reduce monthly cable internet costs.

Virtual Desktop virtualization is client-server computing where the desktop is stored on a centralized server and distributed to users through the network. It reduces desktop computer costs and upgrades and provides easier management of operating systems.



OPERATING IMPACT SUMMARY

The additional operating costs are associated with smartnet maintenance on new equipment and licenses.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Network Equipment Replacement	0	497,000	578,000	195,000	450,000	520,000	335,000	400,000	775,000	0	895,000
Physical Security	0	129,000	0	0	0	0	0	0	0	0	0
Managed WiFi Project	0	0	52,000	0	0	0	0	0	0	0	150,000
iSeries H.T.E. Hardware Replacement	0	103,000	0	0	0	0	0	0	0	0	0
Server Replacement	0	26,000	25,000	25,000	29,000	25,000	25,000	125,000	25,000	25,000	25,000
Virtual Desktop	0	0	0	437,000	0	0	0	0	0	400,000	0
Total	\$0	\$755,000	\$655,000	\$657,000	\$479,000	\$545,000	\$360,000	\$525,000	\$800,000	\$425,000	\$1,070,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	755,000	655,000	657,000	479,000	545,000	360,000	525,000	800,000	425,000	1,070,000
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	\$755,000	\$655,000	\$657,000	\$479,000	\$545,000	\$360,000	\$525,000	\$800,000	\$425,000	\$1,070,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	5,200	20,408	26,224	32,273	38,564	45,107	51,911	58,988	66,347
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	\$5,200	\$20,408	\$26,224	\$32,273	\$38,564	\$45,107	\$51,911	\$58,988	\$66,347

INFORMATION TECHNOLOGY INFRASTRUCTURE

	Project Amount
FY2018 Projects	
Replace Cisco firewalls that are at end of life	71,000
Replace wiring closet Cisco switches that are at end of life, Administration and Public	206,000
Install lockable cabinets for IT switches at all remote sites	129,000
Replace Cisco Edge routers that are end of life	109,000
Replace iSeries, current hardware will reach end of life.	103,000
Redundant batteries for uninterruptable power supply system	52,000
Mobile assessor	59,000
Replace servers that are end of life	26,000
FY2018 Total	755,000
FY2019 Projects	
Managed WiFi, replace outdated WiFi devices	52,000
Replace County's Storage Area Network (SAN)	318,000
Replace servers that are end of life	25,000
Replace Cisco Intrusion Prevention System (IPS)	60,000
Upgrade fiber equipment to 1 GB at Embrey Mill, Rowser, Rowser Annex and Station 2	200,000
FY2019 Total	655,000
FY2020 Projects	
Implement virtual desktop technology to reduce PC replacement frequency	437,000
Replace Barracuda backup system that is end of life	175,000
Replace Barracuda spam and virus firewalls that are end of life	20,000
Replace servers that are end of life	25,000
FY2020 Total	657,000
FY2021 Projects	
Replace Cisco network equipment at remote sites that are end of life	450,000
Replace servers that are end of life	29,000
FY2021 Total	479,000
FY2022 Projects	
Replace Cisco network equipment in the Courthouse	150,000
Replace Cisco wiring closet network equipment that is end of life	370,000
Replace servers that are end of life	25,000
FY2022 Total	545,000

INFORMATION TECHNOLOGY INFRASTRUCTURE

FY2023 Projects

Replace Cisco DMVPN routers that are end of life	115,000
Replace Cisco Firewall routers that are end of life	100,000
Replace Cisco Edge routers that are end of life	120,000
Replace servers that are end of life	25,000
FY2023 Total	360,000

FY2024 Projects

Replace network equipment	300,000
Replace Cisco UCS Servers that are end of life	225,000
FY2024 Total	525,000

FY2025 Projects

Replace core network distribution equip at Admin and Public Safety	450,000
Replace uninterruptable power supply system	325,000
Replace servers that are end of life	25,000
FY2025 Total	800,000

FY2026 Projects

Replace virtual desktop technology to reduce PC replacement	400,000
Replace servers that are end of life	25,000
FY2026 Total	425,000

FY2027 Projects

Replace Barracuda backup system that is end of life	175,000
Replace Barracuda spam and virus firewalls that are end of life	20,000
Replace servers that are end of life	25,000
Replace virtual desktop technology to reduce PC replacement frequency	400,000
Replace uninterruptable power supply system	300,000
Replace Cisco Managed WiFi system that is end of life	150,000
FY2027 Total	1,070,000
Total FY2018 thru FY2027	\$6,271,000

PARKS, RECREATION AND COMMUNITY FACILITIES SUMMARY

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
TBD Duff McDuff Green Park													
TBD Patawomeck Park Phase 2													
TBD New and Renovated Park Amenities													
TBD Musselman Park													
Infrastructure	0	915,000	853,000	925,000	1,428,000	1,292,000	1,643,000	1,927,000	1,305,000	1,730,000	650,000	0	12,668,000
Total	\$0	\$915,000	\$853,000	\$925,000	\$1,428,000	\$1,292,000	\$1,643,000	\$1,927,000	\$1,305,000	\$1,730,000	\$650,000	\$0	\$12,668,000

*Funding for all TBD projects presented in the above categories will be reevaluated during the FY2019-2028 CIP process. The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions.

Funding Sources	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	915,000	853,000	925,000	1,428,000	1,292,000	1,643,000	1,927,000	1,305,000	1,730,000	650,000
Bonds	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	\$915,000	\$853,000	\$925,000	\$1,428,000	\$1,292,000	\$1,643,000	\$1,927,000	\$1,305,000	\$1,730,000	\$650,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Debt Service Master Lease										
Revenue	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

Total Project Cost: \$12,668,000

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
HVAC/Mechanical	0	603,000	104,000	0	0	584,000	73,000	0	0	350,000	0
Roof Replacement/Repairs	0	41,000	167,000	395,000	0	96,000	0	0	0	70,000	278,000
Asphalt/Parking/Roads/Signs	0	0	0	32,000	435,000	0	107,000	124,000	253,000	475,000	0
ADA/Security/Master Plan	0	0	81,000	90,000	60,000	96,000	90,000	0	393,000	0	0
Building Replace/Repairs	0	34,000	81,000	40,000	388,000	0	702,000	924,000	0	0	0
Site Improvements/Fields/Trails	0	237,000	420,000	368,000	545,000	516,000	671,000	879,000	659,000	835,000	372,000
Total	\$0	\$915,000	\$853,000	\$925,000	\$1,428,000	\$1,292,000	\$1,643,000	\$1,927,000	\$1,305,000	\$1,730,000	\$650,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	915,000	853,000	925,000	1,428,000	1,292,000	1,643,000	1,927,000	1,305,000	1,730,000	650,000
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	\$915,000	\$853,000	\$925,000	\$1,428,000	\$1,292,000	\$1,643,000	\$1,927,000	\$1,305,000	\$1,730,000	\$650,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

FY2018 Projects

Administration building generator	464,000
Porter Library parking lot repairs and landscaping	36,000
Pratt Park gravel road behind concessions stands	19,000
CRRL Porter Library electrical upgrades / access control / upgrade children area	34,000
Courthouse Community Center/Rowser floor replacement	28,000
Administration building repair slate roof valley metal	41,000
Pratt Shelter G fans lights	10,000
Smith Lake convert irrigation to Sentinel CMS	15,000
Curtis Park Disk Golf Course paver's tees/replace shelter #5	62,000
Shelton's Cottage climate control	26,000
Health Dept. air condition	15,000
Porter Library Boilers	98,000
Belmont Ferry Farm trail benches and mile markers	67,000
FY2018 Total	\$ 915,000

FY2019 Projects

Administration building parking Lot cameras	43,000
Courthouse Community Center cameras	38,000
Various parks renovate existing athletic fields	40,000
Porter replace plumbing valves and HVAC systems with ball valves	56,000
Embrey Mill Park play ground shade	61,000
Curtis Park bathrooms, re-tile floors/walls, new fixtures ADA improvements	81,000
Willowmere water line	48,000
Numerous parks ADA accessibility upgrades	154,000
Courthouse Community Center roof replacement	167,000
Woodlands upgrade splash pad, locker rooms, lifeguard area, add classroom, and ADA compliance	165,000
FY2019 Total	\$ 853,000

FY2020 Projects

Courthouse Community Center replace roof section 2	395,000
Curtis Park restroom at Pool	40,000
Lake Mooney phase 3	60,000
Smith Lake rubber mulch pour in place for existing playground	82,000
Rowser renovate and regrade baseball field and irrigate	226,000
Regrade parking lot and new fence	32,000
Rowser ADA restroom for softball field	90,000
FY2020 Total	\$ 925,000

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE

FY2021 Projects

Pave and light Pratt parking lot	190,000	
Entrance gate at Pratt	75,000	
Safety upgrades stairwell lights other safety improvements	60,000	
Tennis court playground upgrades	25,000	
Numerous parks Internal park wayfinding signage	60,000	
Master plan	60,000	
Duff Park play ground shade	63,000	
England Run paint parking lot and curbs	10,000	
Various sites EDNA wireless	170,000	
Brooks master planning incl Grizzle Center	58,000	
replace pavilion	115,000	
Shade Structure	82,000	
Restroom/Concession Renovation	200,000	
Rectangle field lights	260,000	
		FY2021 Total
	\$ 1,428,000	

FY2022 Projects

Roof section 4	96,000	
HVAC roof units #2,3&4	508,000	
Landscaping rain garden	46,000	
Security cameras	96,000	
Energy management #2	76,000	
Stadium for turf fields	197,000	
Field #1 turf replacement	203,000	
Lake Mooney phase 4	70,000	
		FY2022 Total
	\$ 1,292,000	

FY2023 Projects

Brooks - replace skate park	299,000	
Chichester shop	344,000	
Create restroom facilities at shelter #7	358,000	
Numerous parks internal park wayfinding signage	70,000	
Playground, Carl Lewis	91,000	
Roof section 7, Courthouse	73,000	
Paint all meeting rooms and add chair rail in all, England Run	64,000	
Video surveillance systems	90,000	
Seal parking lot, PSB	37,000	
Field #2 turf replacement at Smith Lake	217,000	
		FY2023 Total
	\$ 1,643,000	

PARKS, RECREATION AND COMMUNITY FACILITIES INFRASTRUCTURE

FY2024 Projects

Numerous parks Internal park wayfinding signage	70,000
Additional walks and security measures, Smith lake	141,000
Add splash pad in a community park	246,000
Replace the skate park at Curtis Park	492,000
Fence-in maintenance facilities & provide covered structures for equipment at Pratt Park	308,000
Rowser parking lot, repair and seal	54,000
Permanent restroom at soccer fields at Willowmere	308,000
Replace two sheds with one small building, Gov. Center	308,000
FY2024 Total	\$ 1,927,000

FY2025 Projects

Remove baby pool and install splash pad, Curtis Park	203,000
Ceiling tile - Administration Building	114,000
ADA accessibility upgrades at various parks	235,000
Resurface parking lots, Willowmere	253,000
Install soccer field lights and landscaping - Willowmere	342,000
ADA upgrades to public facilities	158,000
FY2025 Total	1,305,000

FY2026 Projects

Pratt entrance and parking to Butler road	475,000
Pool resurfacing, Woodlands	163,000
Roof; Aquia, Station 2, 10 & 12 maintenance to extend life	70,000
Replace fence at various diamond fields *	100,000
Install lights- soccer fields w/landscaping at Willowmere	369,000
System upgrades, energy management	350,000
Pool resurfacing, Curtis	203,000
FY2026 Total	1,730,000

FY2027 Projects

Built in gutters repair, Administration Building	77,000
Roof replacement, PBS	278,000
Pressure wash & paint exterior, Admin building	31,000
Pressure wash & paint exterior, Chichester building	31,000
Paint interior, Administration building	151,000
Paint interior, Chichester building	41,000
Flooring replacement, Administration building	41,000
FY2027 Total	650,000
Grand Total	\$ 12,668,000

Duff McDuff Green Park

Total Project Cost: \$14,647,700

Est. Opening Date: 2021

Links to Board's Strategic Initiatives
•Parks & Recreation 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 FY2019. 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 three additional full size, lighted, irrigated grass 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. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS.

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 includes 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											
Total											

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
To Be Determined											
Master Lease											
Proffers/Capital Project Reserve											
Total											

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Revenue/Savings										
Total										

Patawomeck Park Phase 2

Total Project Cost: \$4,243,000

Est. Opening Date: 2024

[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 FY19. 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. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS.



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 includes 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											
Total											

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
To Be Determined											
Master Lease											
Proffers/Capital Project Reserve											
Total											

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Revenue/Savings										
Total										

New and Renovated Park Amenities

Total Project Cost: \$15,800,000

Est. Opening Date: FY2018

Links to Board's Strategic Initiatives
•Parks & Recreation Commission Facilities Plan

PROGRAM DESCRIPTION

The Parks Utilization Plan (Phase1) completed in 2014, and the Parks Utilization Plan (Phase 2) identified numerous new construction and major renovation projects which will increase use of existing parks and provide other recreational opportunities. The proposed CIP anticipates future bond referendum(s) to address these projects. The improvements funded by this project will provide much needed renovations to parking lots, playgrounds, picnic shelters,restrooms, trails, courts, skate parks, ADA accessibility improvements, signage, and lights in various parks. Also included in this project are the following improvements which have become too expensive to be funded by the Infrastructure project: FY2019 - Woodlands pool bath house renovations \$510,000, FY2020 - Willowmere expand parking lot near soccer fields \$628,000 and Chichester large building (12,000 SF) \$705,000; FY2022 - St. Clair Brooks park renovations \$614,000; FY2023 - Pratt Park sewage pump station and expand parking lot \$698,000; FY2024 - Duff McDuff Green house renovation \$651,000; FY2025 - Fire & Rescue station roof; Aquia, 2, 10 &12 \$651,000 and Brooks shelter/restroom replacement \$651,000. This project includes the project management cost required to implement. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											
Total											

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
To Be Determined											
Master Lease											
Proffers/Capital Project Reserve											
Total											

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Revenue/Savings										
Total										

Musselman Park

Total Project Cost: \$3,269,900

Est. Opening Date: FY2024

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

•Parks & Rec Commission Facilities Plan

PROGRAM DESCRIPTION

This project plans the long range use of the 42 acres of property located off Truslow Road. The plan will identify the scope of phase 1 development which may include the provision of one grass baseball field and one grass rectangular field, both lighted, a restroom building, picnic shelter, playground, trails, and parking. Due to the growth of the County and the needs of the Parks, Recreation and Community Facilities Department additional park space for active recreation is necessary. Sports field location, type and size will align with the approved Parks Utilization Plan (Phase 1-Athletic fields). TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS

OPERATING IMPACT SUMMARY

Annual operating impact include two full-time and two part-time park maintenance worker positions and one time start up costs for additional equipment to maintain the property. Operating costs for the facility and utilities are offset by anticipated direct and indirect revenues from rental of a proposed picnic shelter.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											
Total											

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
Bonds											
Master Lease											
Proffers/Capital Project Reserve											
Total											

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Revenue/Savings										
Total										



PUBLIC WORKS SUMMARY

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
TBD Library #4													
Stormwater Compliance	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000		3,000,000
Courthouse	0	0	0	4,622,000	66,387,000	0	0	0	0	0	0	0	71,009,000
Total	\$0	\$300,000	\$300,000	\$4,922,000	\$66,687,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$0	\$74,009,000

*Funding for all TBD projects presented in the above categories will be reevaluated during the FY2019-2028 CIP process. The County and Schools are working jointly to restructure the Capital Improvement Program (CIP). All projects in FY2022 through FY2027 are placeholders. The proposed new process will provide a thorough evaluation and ranking of all projects as a shared service; be structured to provide a more equitable process that benefits the citizens of Stafford County; and will mold future CIP submissions.

Funding Sources	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	300,000	300,000	4,922,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Bonds	0	0	0	0	66,387,000	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	\$300,000	\$300,000	\$4,922,000	\$66,687,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	946,000	974,000	1,003,000	1,034,000	1,065,000	1,097,000
Operating	0	21,000	21,000	22,000	1,090,000	927,000	956,000	984,000	1,013,000	1,044,000
Debt Service	0	0	0	0	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000
Revenue	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$21,000	\$21,000	\$22,000	\$7,591,000	\$7,456,000	\$7,514,000	\$7,573,000	\$7,633,000	\$7,696,000

Library #4

Total Project Cost: \$14,462,520

Est. Opening Date: 2028

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

• Comprehensive Plan

PROGRAM DESCRIPTION

The Central Rappahannock Regional Library (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. TIMING OF THIS PROJECT WILL BE DETERMINED DURING THE FY2019 PROCESS.



OPERATING IMPACT SUMMARY

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

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design											
Property Acquisition											
Construction / Project											
Contingency											
Other											

Total

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue											
Bonds											
Master Lease											
Proffers/Capital Project Reserve											

Total

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service										
Revenue/Savings										

Total

Stormwater Compliance

Total Project Cost: \$3,000,000

Est. Opening Date: On-Going

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

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

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. The 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
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	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
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	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	21,000	21,000	22,000	23,000	23,000	24,000	25,000	25,000	26,000
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	\$21,000	\$21,000	\$22,000	\$23,000	\$23,000	\$24,000	\$25,000	\$25,000	\$26,000

Courthouse

Total Project Cost: \$71,009,000

Est. Opening Date: 2022

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

- 2004 space needs assessment

PROGRAM DESCRIPTION

In 2016 a space needs study was conducted to identify the 20 year space needs for the courthouse and a security analysis of the facility with the assistance of the National Center for State Courts was conducted to develop a Facilities Master Plan. The new proposed courthouse would include construction of a proposed 178,000 square foot three story Courthouse with partial basement and be located on County owned land across Courthouse Road from the Public Safety Building. Courtrooms could include four General District, six Circuit and six Juvenile and Domestic courtrooms.

OPERATING IMPACT SUMMARY

Operating costs include one-time start up expenses for new employees and maintenance supplies and equipment for Parks, Recreation and Community Facilities. Ongoing costs include eight deputies for the Sheriff's department and three maintenance mechanic II and one custodian for Parks, Recreation and Community Facilities department.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	4,622,000	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	59,983,000	0	0	0	0	0	0
Contingency	0	0	0	0	6,404,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$4,622,000	\$66,387,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	4,622,000	0	0	0	0	0	0	0
Bonds	0	0	0	0	66,387,000	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	\$0	\$0	\$0	\$4,622,000	\$66,387,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	946,000	974,000	1,003,000	1,034,000	1,065,000	1,097,000
Operating	0	0	0	0	1,067,000	904,000	932,000	959,000	988,000	1,018,000
Debt Service	0	0	0	0	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000	5,555,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$7,568,000	\$7,433,000	\$7,490,000	\$7,548,000	\$7,608,000	\$7,670,000

TRANSPORTATION SUMMARY

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
BELMONT-FERRY FARM TRAIL - PHASE 6	60,000	618,000	3,606,790	0	0	0	0	0	0	0	0	0	4,284,790
BEREA CHURCH ROAD (SR 654) IMPROVEMENTS	480,000	300,000	0	4,112,068	0	0	0	0	0	0	0	0	4,892,068
BROOKE ROAD (SR 608) RECONSTRUCTION SOUTH OF ESKIMO HILL ROAD (SR 628)	1,640,002	5,573,806	0	0	0	0	0	0	0	0	0	0	7,213,808
COURTHOUSE ROAD (SR 630) AT JEFFERSON DAVIS HWY (RT 1) INTERSECTION IMPROVEMENT	7,150,000	1,000,000	2,565,150	1,282,575	1,282,575	0	0	0	0	0	0	0	13,280,300
COURTHOUSE ROAD (SR 630) WIDENING: CEDAR LANE (SR 732) TO WINDING CREEK ROAD (SR 628)	23,592,470	12,377,530	0	0	0	0	0	0	0	0	0	0	35,970,000
ENON ROAD (SR 753) WIDENING: RT1 TO I-95	401,634	500,000	566,930	568,266	1,691,722	1,354,000	3,628,350	0	0	0	0	0	8,710,902
FERRY ROAD (SR 606) AT KINGS HWY (RT 3) IMPROVEMENTS	1,247,338	2,744,308	0	0	0	0	0	0	0	0	0	0	3,991,646
GARRISONVILLE ROAD ROUTE 610 (SR 610) WIDENING: EUSTACE ROAD (SR 751) TO SHELTON SHOP (SR 648)	0	0	0	3,000,000	14,000,000	11,400,000	0	0	0	0	0	0	28,400,000
JEFFERSON DAVIS HWY (RT 1) at POTOMAC CREEK DRIVE (SR 761) 1	0	150,000	150,000	500,000	1,000,000	0	0	0	0	0	0	0	1,800,000
JUGGINS ROAD (SR 711) RECONSTRUCTION	75,000	725,000	1,250,000	170,600	0	0	0	0	0	0	0	0	2,220,600
TECH CENTER DRIVE	0	0	0	0	0	0	0	0	0	0	1,025,000	1,575,000	2,600,000
TELEGRAPH ROAD (SR 637) AND WOODSTOCK LANE (SR 639) AT RT 1 SAFETY IMPROVEMENTS	0	1,100,000	3,200,000	4,500,000	0	0	0	0	0	0	0	0	8,800,000
Total	\$34,646,444	\$25,088,644	\$11,338,870	\$14,133,509	\$17,974,297	\$12,754,000	\$3,628,350	\$0	\$0	\$0	\$1,025,000	\$1,575,000	\$122,164,114

Funding Sources	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Later Years Funding	Total Project Cost
Bonds	15,991,153	0	0	0	0	0	0	0	0	0	1,000,000	0	16,991,153
Cash	3,829,128	1,275,200	0	0	0	0	0	0	0	0	0	0	5,104,328
Proffers	2,068,037	935,856	0	0	0	0	0	0	0	0	25,000	0	3,028,893
Service District Supported GO Debt*	0	0	0	0	14,200,000	0	0	0	0	0	0	0	14,200,000
Service District	0	1,109,966	0	0	0	0	0	0	0	0	0	0	1,109,966
Fuel Tax	2,296,486	123,600	721,358	0	0	0	0	0	0	0	0	0	3,141,444
Revenue Sharing	28,942,541	1,042,068	0	4,600,000	9,600,000	0	0	0	0	0	0	0	44,184,609
State/Federal	4,180,656	4,430,041	8,580,303	2,670,266	2,069,122	854,000	3,628,350	0	0	0	0	0	26,412,738
Impact Fees	1,293,043	1,140,019	500,000	1,532,921	500,000	500,000	0	0	0	0	0	0	5,465,983
Total Funding Sources Identified	58,601,044	10,056,750	9,801,661	8,803,187	26,369,122	1,354,000	3,628,350	0	0	0	1,025,000	0	119,639,114

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Debt Service	0	0	0	0	0	0	0	0	0	0
Service District Debt Service	0	0	0	0	1,188,246	1,188,246	1,188,246	1,188,246	1,188,246	1,188,246
	\$0	\$0	\$0	\$0	\$1,188,246	\$1,188,246	\$1,188,246	\$1,188,246	\$1,188,246	\$1,188,246

BELMONT-FERRY FARM TRAIL - PHASE 6

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

- Approved by the voters in the 2009 referendum
- Parks & Rec Commission Facilities Plan

Total Project Cost: \$4,284,790

Est. Opening Date: 2017

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	60,000	500,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	103,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	15,000	3,288,790	0	0	0	0	0	0	0	0
Contingency	0	0	318,000	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$60,000	\$618,000	\$3,606,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	12,000	123,600	721,358	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	48,000	494,400	2,885,432	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$60,000	\$618,000	\$3,606,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	56,000	58,000	60,000	62,000	63,000	65,000	67,000	69,000	71,000
Operating	0	34,000	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	\$90,000	\$60,000	\$62,000	\$64,000	\$65,000	\$67,000	\$69,000	\$71,000	\$73,000

BEREA CHURCH ROAD (SR 654) IMPROVEMENTS

Total Project Cost: \$4,892,068

Est. Opening Date: 2020

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

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

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	480,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	300,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	4,112,068	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	\$480,000	\$300,000	\$0	\$4,112,068	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	302,147	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	1,109,966	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	2,354,966	92,068	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	1,032,921	0	0	0	0	0	0	0
Total	\$2,657,113	\$1,202,034	\$0	\$1,032,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

BROOKE ROAD (SR 608) RECONSTRUCTION SOUTH OF ESKIMO HILL ROAD (SR 628)

Total Project Cost: \$7,213,808

Est. Opening Date: 2023

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

- Approved by voters in the 2008 referendum
- Comprehensive Plan

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	650,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	990,002	1,933,906	0	0	0	0	0	0	0	0	0
Construction / Project	0	3,639,900	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	\$1,640,002	\$5,573,806	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	2,850,000	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	114,485	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	3,605,904	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	640,019	0	0	0	0	0	0	0	0	0
Total	\$6,573,789	\$640,019	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 ROAD (SR 630) AT JEFFERSON DAVIS HWY (RT 1) INTERSECTION IMPROVEMENT

Total Project Cost: \$13,280,300

Est. Opening Date: 2022

[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. The project scope has been expanded to include improvements to Hope Road, funded by approved HB2 revenues. Timing of this phase of the project is contingent upon the timing for the receipt of HB2 funding.



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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	950,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	6,200,000	1,000,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,565,150	1,282,575	1,282,575	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	\$7,150,000	\$1,000,000	\$2,565,150	\$1,282,575	\$1,282,575	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,259,600	935,856	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	2,121,544	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	4,317,000	0	0	0	0	0	0	0	0	0	0
State/Federal	0	2,646,000	2,000,300	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$7,698,144	\$3,581,856	\$2,000,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 ROAD (SR 630) WIDENING: CEDAR LANE (SR 732) TO WINDING CREEK ROAD (SR 628)

Total Project Cost: \$35,970,000

Est. Opening Date: 2019

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	14,199,112	12,377,530	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	\$23,592,470	\$12,377,530	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	15,916,153	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	249,372	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	16,468,031	0	0	0	0	0	0	0	0	0	0
State/Federal	2,258,656	387,641	387,641	0	0	0	0	0	0	0	0
Impact Fees	302,506	0	0	0	0	0	0	0	0	0	0
Total	\$35,194,718	\$387,641	\$387,641	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 (SR 753) WIDENING: RT1 TO I-95

Total Project Cost: \$8,710,902

Est. Opening Date: 2023

[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. This project might qualify to receive future House Bill 2 (HB2) funding. The CIP assumes Board approval to submit this project for HB2 funding and approval by the CTB.

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	401,634	500,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	566,930	568,266	1,691,722	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	1,354,000	3,628,350	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	\$401,634	\$500,000	\$566,930	\$568,266	\$1,691,722	\$1,354,000	\$3,628,350	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	48,457	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	200,817	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	66,930	68,266	1,191,722	854,000	3,628,350	0	0	0	0
Impact Fees	152,360	500,000	500,000	500,000	500,000	500,000	0	0	0	0	0
Total	\$401,634	\$500,000	\$566,930	\$568,266	\$1,691,722	\$1,354,000	\$3,628,350	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

FERRY ROAD (SR 606) AT KINGS HWY (RT 3) IMPROVEMENTS

Total Project Cost: \$3,991,646

Est. Opening Date: 2018

[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, and incorporates road improvements necessary for the improvements to the George Washington Boyhood Home at Ferry Farm. VDOT is administering this project using a combination of state and local funds.

OPERATING IMPACT SUMMARY

Improvements to Ferry Road were identified in the 2008 Transportation Bond Referendum. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	642,225	0	0	0	0	0	0	0	0	0	0
Property Acquisition	605,113	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	2,744,308	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	\$1,247,338	\$2,744,308	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	904,128	0	0	0	0	0	0	0	0	0	0
Proffers	253,518	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	1,995,823	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	838,177	0	0	0	0	0	0	0	0	0	0
Total	\$3,991,646	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 610 (SR 610) WIDENING: EUSTACE ROAD (SR 751) TO SHELTON SHOP (SR 648)

Total Project Cost: \$28,400,000

Est. Opening Date: 2022

[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. Project funded by service district revenue and revenue sharing.

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
Planning/Design	0	0	0	3,000,000	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	14,000,000	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	11,400,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$3,000,000	\$14,000,000	\$11,400,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
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	0	0	0	0	14,200,000	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	4,600,000	9,600,000	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	4,600,000	23,800,000	0	0	0	0	0	0

Operating Impacts	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
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

JEFFERSON DAVIS HWY (RT 1) at POTOMAC CREEK DRIVE (SR 761) 1

Total Project Cost: \$1,800,000

Est. Opening Date: 2021

[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. Completion of this project according to the schedule shown is dependent upon the timing for the receipt of state HB2 funding.

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	150,000	150,000	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	500,000	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	1,000,000	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	\$150,000	\$150,000	\$500,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	331,000	340,000	622,000	507,000	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$331,000	\$340,000	\$622,000	\$507,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

JUGGINS ROAD (SR 711) RECONSTRUCTION

Total Project Cost: \$2,220,600

Est. Opening Date: 2021

[Links to Board's Strategic](#)

•Supports the Board's Education

PROGRAM DESCRIPTION

Two lane reconstruction of Juggins Road (S.R. 711) from Chadwick Drive to the new Moncure Elementary School location, a distance of approximately .25 mile. Project will also include the rural restoration and surface treatment of Juggins Road from the north entrance to the elementary school to the end of state maintenance, about .3 mile. Bond funds would be included with the VPSA borrow for the school construction as this work is integral to the school construction.

OPERATING IMPACT SUMMARY

Road improvement necessary to support additional traffic resulting from the Moncure Elementary School relocation. Upon completion, VDOT becomes the owner of the improvement.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	75,000	225,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	500,000	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	1,250,000	170,600	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	\$75,000	\$725,000	\$1,250,000	\$170,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	75,000	1,025,000	0	0	0	0	0	0	0	0	0
Current Revenue	75,000	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	950,000	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	170,600	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$150,000	\$1,975,000	\$0	\$0	\$170,600	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: 2026

[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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,025,000
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	\$1,025,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	0	0	0	0	0	0	0	0	0	0	1,000,000
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	25,000
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	0	0	0	0	0	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,025,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

TELEGRAPH ROAD (SR 637) AND WOODSTOCK LANE (SR 639) AT RT 1 SAFETY IMPROVEMENTS

Total Project Cost: \$8,800,000

Est. Opening Date: 2020

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

- Approved by Board for HB2 Funding
- Supports Economic Development

PROGRAM DESCRIPTION

This project consists of roadway reconstruction/realignment, installation of a new traffic signal, turn lane improvements and access management. This project has been approved to receive House Bill 2 (HB2) funding. The timing for the distribution of the HB2 funds is unknown at this time. Initial funding involves the release of Widewater CDA funding for this project.

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	1,100,000	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	3,200,000	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	4,500,000	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	\$1,100,000	\$3,200,000	\$4,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Bonds	0	0	0	0	0	0	0	0	0	0	0
Current Revenue	0	1,275,200	0	0	0	0	0	0	0	0	0
Proffers	0	0	0	0	0	0	0	0	0	0	0
S D Supported GO Debt*	0	0	0	0	0	0	0	0	0	0	0
Service District	0	0	0	0	0	0	0	0	0	0	0
Fuel Tax	0	0	0	0	0	0	0	0	0	0	0
Revenue Sharing	0	0	0	0	0	0	0	0	0	0	0
State/Federal	1,874,000	571,000	2,900,000	1,980,000	199,800	0	0	0	0	0	0
Impact Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,874,000	\$1,846,200	\$2,900,000	\$1,980,000	\$199,800	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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



SCHOOLS SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total Project
Moncure Rebuild		16,431,000	1,000,000									17,431,000
Infrastructure	0	1,217,587	0									1,217,587
To Be Determined	0	0	3,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300	159,524,380
Capital Maintenance - Cash	0	7,396,500	11,445,000	7,405,000	6,530,000	7,405,000	5,805,000	4,205,000	6,585,000	5,960,000	9,310,000	72,046,500
Total	\$0	\$25,045,087	\$15,795,000	\$10,805,000	\$11,357,741	\$15,266,300	\$50,275,000	\$38,910,000	\$25,120,039	\$29,560,000	\$28,085,300	\$250,219,467

Funding Sources	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total
Construction Bond Funded Projects	17,648,587	4,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300	178,172,967
Construction Cash/Other Funded Projects	7,396,500	11,445,000	7,405,000	6,530,000	7,405,000	5,805,000	4,205,000	6,585,000	5,960,000	9,310,000	72,046,500
Total Schools Projects	\$25,045,087	\$15,795,000	\$10,805,000	\$11,357,741	\$15,266,300	\$50,275,000	\$38,910,000	\$25,120,039	\$29,560,000	\$28,085,300	\$250,219,467

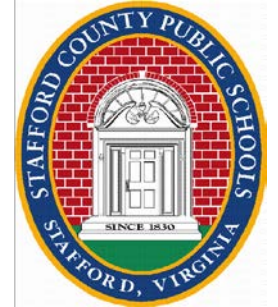
REBUILD MONCURE ELEMENTARY SCHOOL

Total Project Cost: \$35,559,000

Est. Opening Date: 2019

PROGRAM DESCRIPTION

Construct a 986 student elementary school for grades Pre-K through 5 to replace the existing Moncure Elementary (950 K-5, 36 Pre-K). The Rebuild Moncure Elementary School Project will include the construction of the school building (\$214/SF), the development of the site, all planning & design requirements, all support furnishing, furniture & equipment and technology infrastructure. Juggins Road Improvements will be administered by Stafford County Government which will enable the County to apply for state Revenue Sharing matching funds. \$1M in Rebuild MES Project Funds are being contributed to the Juggins Road Project. The school will be constructed with classrooms and core facilities to accommodate 986 students and follow the 2015 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 January 2019 the following milestones must be achieved: Design must start no later than January 2016 and be completed no later than February 2017. School & Site development must start May 2017 and be complete by Oct 2018. The existing Moncure ES and site 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	2,524,000	0	0	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	14,253,000	15,295,000	1,000,000	0	0	0	0	0	0	0	0
Hardware/Software	0	350,000	0	0	0	0	0	0	0	0	0
Equipment	0	786,000	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	\$18,477,000	\$16,431,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	6,400,000	0	0	0	0	0	0	0	0	0	0
Bonds	10,731,000	16,431,000	1,000,000	0	0	0	0	0	0	0	0
Master Lease	0	0	0	0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve	997,000	0	0	0	0	0	0	0	0	0	0
Total	\$18,128,000	\$16,431,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service		1,375,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000	1,459,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,375,000	\$1,459,000	\$1,459,000	\$1,459,000	\$1,459,000	\$1,459,000	\$1,459,000	\$1,459,000	\$1,459,000

Placeholder - Capital Projects

Total Project Cost: \$120,251,967

Est. Opening Date: 2018-2027

PROGRAM DESCRIPTION

Placeholder dollars include the following projects: New Construction: Rebuild of Ferry Farm Elementary School; High School #6; Elementary #18.. Renovations: Drew Middle School; Fleet Services Addition; Hartwood Elementary Renovation/Addition. All projects will be re-evaluated in the FY 19-28 Capital Improvement Plan using the newly developed Joint Scoring Criteria.



OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	3,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300
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	\$3,350,000	\$3,400,000	\$4,827,741	\$7,861,300	\$44,470,000	\$34,705,000	\$18,535,039	\$23,600,000	\$18,775,300

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	3,350,000	3,400,000	4,827,741	7,861,300	44,470,000	34,705,000	18,535,039	23,600,000	18,775,300
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	\$3,350,000	\$3,400,000	\$4,827,741	\$7,861,300	\$44,470,000	\$34,705,000	\$18,535,039	\$23,600,000	\$18,775,300

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel										
Operating										
Debt Service	0	0	280,326	564,835	968,818	1,626,646	5,347,866	8,251,957	9,802,957	11,777,789
Revenue/Savings										
Total	\$0	\$0	\$280,326	\$564,835	\$968,818	\$1,626,646	\$5,347,866	\$8,251,957	\$9,802,957	\$11,777,789

CAPITAL MAINTENANCE - INFRASTRUCTURE

Total Project Cost: \$73,464,087

Est. Opening Date: 2018-2027

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
School Site Improvements	0	4,869,087	7,560,000	3,520,000	2,655,000	2,455,000	4,255,000	2,530,000	5,510,000	2,560,000	5,460,000
Pavement	0	1,655,000	2,400,000	2,400,000	2,450,000	1,050,000	1,050,000	650,000	550,000	1,050,000	1,050,000
Environmental Upgrades	0	1,535,000	675,000	375,000	575,000	1,100,000	350,000	875,000	375,000	2,200,000	0
Roof Replace/Repair	0	755,000	810,000	1,110,000	850,000	2,800,000	150,000	150,000	150,000	150,000	2,800,000
Total	\$0	\$8,814,087	\$11,445,000	\$7,405,000	\$6,530,000	\$7,405,000	\$5,805,000	\$4,205,000	\$6,585,000	\$5,960,000	\$9,310,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue		7,096,500	11,195,000	7,205,000	6,330,000	7,205,000	5,605,000	4,005,000	6,385,000	5,760,000	9,110,000
Bonds		1,217,587	0	0	0	0	0	0	0	0	0
Lease		0		0	0	0	0	0	0	0	0
Proffers/Capital Project Reserve				0	0	0	0	0	0	0	0
Nutrition		100,000	50,000	0	0	0	0	0	0	0	0
Perkins		200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000
State/Federal		0		0	0	0	0	0	0	0	0
Total		\$8,814,087	\$11,445,000	\$7,405,000	\$6,530,000	\$7,405,000	\$5,805,000	\$4,205,000	\$6,585,000	\$5,960,000	\$9,310,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	102,000	102,000	102,000	102,000	102,000	102,000	102,000	102,000	102,000
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$102,000	\$102,000	\$102,000	\$102,000	\$102,000	\$102,000	\$102,000	\$102,000	\$102,000

CAPITAL MAINTENANCE - INFRASTRUCTURE

School Site Improvements

FY2018 Projects	Project Amount	Funding Source
Repair Interior Finishes - AGWMS/GES - Phase I	\$1,217,587	Bond
Replace Walk-In Freezer & Refrigerators - WES & RES	\$100,000	Nutrition
Upgrade CTE Labs	\$200,000	Perkins
Repair Sewage Treatment Plant - HES	\$200,000	Current Revenue
Replace Storage Building - CFHS, HOES, RES, RRES	\$235,000	Current Revenue
Construct Stairs at Football Stadium - RTMS	\$130,000	Current Revenue
Repair Bathroom Floor - ABES	\$60,000	Current Revenue
Repair Foundation (Waterproofing) - AYBAC	\$250,000	Current Revenue
Repair Stormwater Management - GMC	\$250,000	Current Revenue
Repair Field Drainage - DMS	\$50,000	Current Revenue
Repair Erosion & Drainage (Phase 4, 7-9) - DSMS	\$325,000	Current Revenue
Replace Lockers - SMS & BPHS	\$255,000	Current Revenue
Repair Phone, Media Retrieval & PA Systems - HOES	\$193,000	Current Revenue
Repair Phone, Media Retrieval & PA Systems - WCES	\$193,000	Current Revenue
Install Modular Classrooms - AGWMS	\$75,000	Current Revenue
Replace Generator - HOES	\$60,000	Current Revenue
Upgrade School Flashing Signs (Remote Access)	\$100,000	Current Revenue
Upgrade Blackboards to Whiteboards	\$100,000	Current Revenue
Renovate Child Find Office - AYBAC (PDC)	\$220,000	Current Revenue
Replace Interior & Exterior Doors - NSHS	\$100,000	Current Revenue
Install Telecenter U Enhancements	\$56,000	Current Revenue
Install Additional Aiphone Console (One per facility x 30)	\$64,000	Current Revenue
Repair Stormwater Management - BPM's & Outfalls	\$62,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Install Additional Lighting - ES Playgrounds (17 ES)	\$93,500	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Exterior (Paint) - Two (2) schools	\$180,000	Current Revenue
FY2018 Total	\$4,869,087	
FY2019 Projects	Project Amount	Funding Source
Repair Gym Floor & Bleachers - AGWMS		
Repair Interior Finishes - AGWMS/GES - Phase II		
Replace Walk-In Freezer & Refrigerators - PRES	\$50,000	Nutrition
Upgrade CTE Labs	\$200,000	Perkins
Repair Stormwater Management - Various	\$300,000	Current Revenue
Install Messaging Marquees - AGWMS/GES/RES (Manual)	\$50,000	Current Revenue
Install Messaging Marquee - RTMS	\$50,000	Current Revenue
Install Turf Field - CFHS	\$900,000	Current Revenue
Install Storage Facility- Maintenance Complex	\$125,000	Current Revenue
Replace Generator - Maintenance Complex	\$150,000	Current Revenue
Repair Exterior Envelope - NSHS	\$1,165,000	Current Revenue
Upgrade Network Plant - Eight (8) Elementary Schools	\$350,000	Current Revenue
Replace Network Cable Plant - DMS, AGWMS, SMS	\$800,000	Current Revenue
Replace Fiber Optic Cabling (Interior) - NSHS, BPHS, TBGMS, RTMS	\$350,000	Current Revenue
Repair Phone, Media Retrieval & PA Systems - SMS	\$400,000	Current Revenue
Repair Phone, Media Retrieval & PA Systems - NSHS	\$300,000	Current Revenue
Construct Storage Buildings - WCES & AYBAC	\$150,000	Current Revenue
Repair Exterior Envelope (Windows) and Board Room Overhang - AYBAC	\$220,000	Current Revenue
Replace Generator - RES	\$400,000	Current Revenue
Replace Generator - PRES	\$400,000	Current Revenue
Repair Bio-Retention - ABES	\$100,000	Current Revenue
Repair Field Drainage - HS	\$200,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Construct Storage Buildings - ABES, GVES & DSMS	\$200,000	Current Revenue
Construct Exterior Bleachers - DSMS	\$300,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$220,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
FY2019 Total	\$7,560,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2020 Projects

	Project Amount	Funding Source
Upgrade CTE Labs	\$200,000	Perkins
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - HES	\$400,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems- RRES	\$175,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Upgrade Aimee Building - SHS	\$250,000	Current Revenue
Construct Storage Buildings - TBGMS, KWBES, & DSMS	\$175,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - PRES	\$200,000	Current Revenue
Repair Phone, Media Retrieval & PA Systems - KWBES	\$200,000	Current Revenue
Construct Outdoor Classroom - GVES	\$400,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Replace Generator - WES & DMS	\$800,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$240,000	Current Revenue
FY2020 Total	\$3,520,000	

FY2021 Projects

	Project Amount	Funding Source
Repair Interior Finishes - HHPMS - Phase I		
Upgrade CTE Labs	\$200,000	Perkins
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - CFHS	\$250,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - TBGMS	\$200,000	Current Revenue
Repair Stormwater Management - Various	\$250,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Exterior Envelope - WES	\$500,000	Current Revenue
Replace Generator - SMS	\$400,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
FY2021 Total	\$2,655,000	

FY2022 Projects

	Project Amount	Funding Source
Repair Interior Finishes - RES		
Repair Interior Finishes - HHPMS - Phase II		
Upgrade CTE Labs	\$200,000	Perkins
Repair Exterior Envelope - RES	\$500,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Stormwater Management - Various	\$250,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	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	\$80,000	Current Revenue
FY2022 Total	\$2,455,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2023 Projects	Project Amount	Funding Source
Repair Interior Finishes - BPHS		
Repair Exterior Envelope - HHPMS		
Repair Interior Finishes - PRES		
Upgrade CTE Labs	\$200,000	Perkins
Repair Athletic Fields & Install Turf Field - NSHS	\$1,500,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Exterior Envelope - AGWMS-GES	\$500,000	Current Revenue
Repair Exterior Envelope - HOES	\$500,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Repair Playground & Play Area - ES	\$80,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replace Generator - One (1) School	\$400,000	Current Revenue
FY2023 Total	\$4,255,000	

FY2024 Projects	Project Amount	Funding Source
Upgrade CTE Labs	\$200,000	Perkins
Repair Athletic Fields - MVHS	\$500,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Repair Stormwater Management - Various	\$320,000	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	\$2,530,000	

FY2025 Projects	Project Amount	Funding Source
Repair Interior Finishes - WCES		
Upgrade CTE Labs	\$200,000	Perkins
Repair Athletic Fields - BPHS	\$500,000	Current Revenue
Repair Interior Finishes - RTMS	\$1,700,000	Current Revenue
Repair Playground & Play Area - ES	\$85,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Stormwater Management - SHS	\$1,500,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Stormwater Management - Various	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Generator - One (1) School	\$450,000	Current Revenue
FY2025 Total	\$5,510,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2026 Projects	Project Amount	Funding Source
Repair Interior Finishes - SMS		
Upgrade CTE Labs	\$200,000	Perkins
Repair Playground & Play Area - ES	\$85,000	Current Revenue
Repair Stormwater Management - Various	\$300,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Athletic Fields - CFHS	\$500,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Generator - One (1) School	\$450,000	Current Revenue
FY2026 Total	\$2,560,000	
 FY2027 Projects	 Project Amount	 Funding Source
Repair Interior Finishes - KWBES	\$1,400,000	Current Revenue
Repair Stormwater Mgmt - SHS	\$1,500,000	Current Revenue
Upgrade CTE Labs	\$200,000	Perkins
Repair Playground & Play Area - ES	\$85,000	Current Revenue
Repair Stormwater Management - Various	\$300,000	Current Revenue
Repair Library - One (1) School	\$50,000	Current Revenue
Repair Stage Curtains	\$50,000	Current Revenue
Repair Phone Systems - VOIP - One (1) Location	\$150,000	Current Revenue
Replace Phone, Media Retrieval & PA Systems - One School	\$250,000	Current Revenue
Repair Athletic Fields - CFHS	\$500,000	Current Revenue
Repair Exterior (Paint) - Two (2) Schools	\$275,000	Current Revenue
Replacement of CCTV Cameras - Various Schools (IT)	\$250,000	Current Revenue
Replace Generator - One (1) School	\$450,000	Current Revenue
FY2027 Total	\$5,460,000	
School Site Improvements FY2018-2027 Total	\$41,374,087	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Pavement

	Project Amount	Funding Source
FY2018 Projects		
Repair Long Jump & South D Ring - SHS	\$195,000	Current Revenue
Repair Pavement - GMC	\$500,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Tennis Courts - NSHS	\$310,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
FY2018 Total	\$1,655,000	
FY2019 Projects		
Construct Bus Parking - Phase I - Fueling Station & Salt Storage - (TBD)	\$800,000	Current Revenue
Repair Tennis Courts - MVHS	\$350,000	Current Revenue
Repair Track - MVHS	\$700,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
FY2019 Total	\$2,400,000	
FY2020 Projects		
Repair Pavement - PRES	\$500,000	Current Revenue
Repair Pavement - SMS	\$500,000	Current Revenue
Repair Pavement - AYBAC	\$500,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tennis Courts - CFHS	\$350,000	Current Revenue
FY2020 Total	\$2,400,000	
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 (TBD)	\$700,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
FY2021 Total	\$2,450,000	
FY2022 Projects		
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Pavement One (1) School	\$500,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
FY2022 Total	\$1,050,000	
FY2023 Projects		
Repair Pavement - One (1) School	\$500,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
FY2023 Total	\$1,050,000	
FY2024 Projects		
Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)	\$400,000	Current Revenue
Repair Tracks (Miscellaneous) - MS-ES	\$150,000	Current Revenue
Repair Tennis Courts - MS	\$100,000	Current Revenue
FY2024 Total	\$650,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2025 Projects

Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)
 Repair Tracks (Miscellaneous) - MS-ES

Project Amount	Funding Source
\$400,000	Current Revenue
\$150,000	Current Revenue
FY2025 Total	
\$550,000	

FY2026 Projects

Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)
 Repair Tracks (Miscellaneous) - MS-ES
 Repair Pavement - One (1) School

Project Amount	Funding Source
\$400,000	Current Revenue
\$150,000	Current Revenue
\$500,000	Current Revenue
FY2026 Total	
\$1,050,000	

FY2027 Projects

Repair Pavement (Crack Seal, Pothole Repair, Paint Striping)
 Repair Tracks (Miscellaneous) - MS-ES
 Repair Pavement - One (1) School

Project Amount	Funding Source
\$400,000	Current Revenue
\$150,000	Current Revenue
\$500,000	Current Revenue
FY2027 Total	
\$1,050,000	
Pavement FY2018-2027 Total	
\$14,305,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Environmental Upgrades

	Project Amount	Funding Source
FY2018 Projects		
Repair Mechanical Systems - FES Addition (Chiller) & GMC	\$110,000	Current Revenue
Repair Gym HVAC - GMC	\$500,000	Current Revenue
Repair Mechanical Systems - Chiller Overhauls - MVHS, BPHS, CFHS	\$375,000	Current Revenue
Replace Elevator - SMS	\$125,000	Current Revenue
Replace Package Units - FLEET & Support Services	\$100,000	Current Revenue
Repair Mechanical Systems (Replace Building Automation Controls) - Fifteen (15) Sites	\$325,000	Current Revenue
FY2018 Total	\$1,535,000	
FY2019 Projects		
Repair Mechanical Systems (AHU-VAV-Chiller-BAS-Kitchen A/C) - RES		
Repair Mechanical Systems (Chiller) - PRES	\$250,000	Current Revenue
Repair Mechanical Systems (Chiller) - SES Addition	\$100,000	Current Revenue
Repair Mechanical Systems - (RTAA Chiller-MDF HVAC) - CFHS	\$325,000	Current Revenue
FY2019 Total	\$675,000	
FY2020 Projects		
Repair Mechanical Systems (VAV-Boilers-AHU-BAS-Elevator) - BPHS Phase I		
Replace Package Units - FLEET	\$50,000	Current Revenue
Repair Mechanical Systems - Various	\$325,000	Current Revenue
FY2020 Total	\$375,000	
FY2021 Projects		
Repair Mechanical Systems (VAV-Boilers-AHU-BAS-Elevator) - BPHS Phase II		
Repair Mechanical Systems - Various	\$325,000	Current Revenue
Replace CTE Dust Collection Systems-Variou	\$250,000	Current Revenue
FY2021 Total	\$575,000	
FY2022 Projects		
Repair Mechanical Systems (VAV-Chiller-AHU-BAS-Kitchen A/C) - PRES		
Install Kitchen A/C - HOES	\$375,000	Current Revenue
Install Kitchen A/C - WES	\$375,000	Current Revenue
Repair Mechanical Systems -Various	\$350,000	Current Revenue
FY2022 Total	\$1,100,000	
FY2023 Projects		
Repair Mechanical Systems -Various	\$350,000	Current Revenue
FY2023 Total	\$350,000	
FY2024 Projects		
Repair Mechanical Systems (HWH-Heat pumps-BAS) - WCES		
Repair Mechanical Systems - SMS		
Install Kitchen A/C - AGWMS/GES	\$500,000	Current Revenue
Repair Mechanical Systems -Various	\$375,000	Current Revenue
FY2024 Total	\$875,000	
FY2025 Projects		
Repair Mechanical Systems (Include Kitchen A/C) - NSHS Phase I		
Repair Mechanical Systems (AHU, Chiller, Fans-BAS) - KWBES		
Repair Mechanical Systems - AYBAC		
Repair Mechanical Systems -Various	\$375,000	Current Revenue
FY2025 Total	\$375,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

FY2026 Projects

	Project Amount	Funding Source
Repair Mechanical Systems (Include Kitchen A/C) - NSHS Phase II	\$1,800,000	Current Revenue
Repair Mechanical Systems - CFHS	\$400,000	Current Revenue
Repair Mechanical Systems -Various		
FY2026 Total	\$2,200,000	

FY2027 Projects

	Project Amount	Funding Source
Repair Mechanical Systems (Include Kitchen A/C) - NSHS Phase III		
Repair Mechanical Systems (Include Kitchen A/C) - RTMS		
Repair Mechanical Systems - (AHU, Chiller, Fans) - RRES		
FY2027 Total	\$0	
Environmental Upgrades FY2018-2027 Total	\$8,060,000	

CAPITAL MAINTENANCE - INFRASTRUCTURE

Roots

FY2018 Projects	Project Amount	Funding Source
Replace Roof - WES (Area B SS)	\$330,000	Current Revenue
Replace Roof - HES (Area D & E SS - Outbuildings)	\$275,000	Current Revenue
Repair Roof - Various	\$150,000	Current Revenue
FY2018 Total	\$755,000	
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	\$150,000	Current Revenue
FY2019 Total	\$810,000	
FY2020 Projects	Project Amount	Funding Source
Replace Roof - SES (Area E & Outbuildings SS)	\$320,000	Current Revenue
Replace Roof - GVES Addition (SS)	\$320,000	Current Revenue
Replace Roof - WCES What Section	\$320,000	Current Revenue
Repair Roof - Various	\$150,000	Current Revenue
FY2020 Total	\$1,110,000	
FY2021 Projects	Project Amount	Funding Source
Replace Roof - CFHS (Area A, B & D-All outbuilding SS)	\$700,000	Current Revenue
Repair Roof - BPHS (Standing seam & Outbuildings)	\$150,000	Current Revenue
Repair Roof - Various		
FY2021 Total	\$850,000	
FY2022 Projects	Project Amount	Funding Source
Repair Roof - AYBAC		
Replace Roof - RTMS (SS-All areas)	\$2,300,000	Current Revenue
Replace Roof - PRES (SS)	\$350,000	Current Revenue
Repair Roof - Various	\$150,000	Current Revenue
FY2022 Total	\$2,800,000	
FY2023 Projects	Project Amount	Funding Source
Repair Roof - Various	\$150,000	Current Revenue
FY2023 Total	\$150,000	
FY2024 Projects	Project Amount	Funding Source
Replace Roof - AGWMS-GES		
Repair Roof - Various	\$150,000	Current Revenue
FY2024 Total	\$150,000	
FY2025 Projects	Project Amount	Funding Source
Repair Roof - Various	\$150,000	Current Revenue
FY2025 Total	\$150,000	
FY2026 Projects	Project Amount	Funding Source
Repair Roof - HOES (SS-All Areas)		
Repair Roof - Various	\$150,000	Current Revenue
FY2026 Total	\$150,000	
FY2027 Projects	Project Amount	Funding Source
Repair Roof - RRES	\$1,300,000	Current Revenue
Repair Roof - TBGMS	\$1,500,000	Current Revenue
FY2027 Total	\$2,800,000	
Roof FY2018-2027 Total	\$9,725,000	



UTILITIES SUMMARY OF ALL PROJECTS - ALL FUNDING SOURCES

Stafford County FY18 Adopted Budget

Projects	Prior Funding	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total CIP (FY18-27)	Later Years Funding	Total Project Cost
Water Projects	\$574,000	\$8,332,000	\$11,706,000	\$9,439,449	\$589,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$2,168,000	\$7,695,000	\$75,010,104	\$0	\$74,884,104
Wastewater Projects	3,863,000	17,904,295	15,419,346	6,351,000	13,112,000	4,458,569	17,932,900	5,700,727	5,935,509	6,298,774	2,749,274	95,862,394	0	99,725,394
Both Water/Wastewater	1,605,800	2,568,000	2,256,000	1,476,700	895,200	1,164,800	9,028,300	745,500	613,200	585,300	585,300	19,918,300	0	21,524,100
Total	\$6,042,800	\$28,804,295	\$29,381,346	\$17,267,149	\$14,596,200	\$12,198,846	\$46,674,395	\$14,548,210	\$7,238,709	\$9,052,074	\$11,029,574	\$190,790,798	\$0	\$196,834,000

Operating Impacts Summary	Existing Debt Service	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total Debt Service
Debt Service	\$7,994,289	\$1,020,650	\$1,575,962	\$0	\$378,147	\$179,528	\$3,189,538	\$126,486	\$0	\$0	\$0	
Total	\$7,994,289	\$9,014,939	\$10,590,901	\$10,590,901	\$10,969,047	\$11,148,575	\$14,338,113	\$14,464,599	\$14,464,599	\$14,464,599	\$14,464,599	\$14,464,599

Project Funding	Prior Funding	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total CIP (FY18-27)	Later Years Funding	Total Project Cost
Availability Funded Projects	\$654,500	\$3,400,500	\$564,000	\$1,356,000	\$2,830,500	\$2,514,626	\$592,000	\$4,602,983	\$640,000	\$653,000	\$665,000	\$17,818,609	\$0	\$18,473,109
Bond Funded Projects	2,550,000	14,876,295	18,833,346	0	4,519,000	2,145,426	38,116,195	1,511,557	0	0	0	\$80,001,819	0	\$82,551,819
ProRata Funded Projects	507,500	3,260,500	5,033,500	4,981,500	3,910,000	1,141,000	773,450	546,364	562,755	1,369,637	4,439,637	26,018,342	0	\$26,525,842
Operations /User Fees	2,330,800	7,267,000	4,950,500	10,929,649	3,336,700	6,397,794	7,192,750	7,887,307	6,035,955	7,029,437	5,924,937	66,952,028	0	\$69,282,828
Total	\$6,042,800	\$28,804,295	\$29,381,346	\$17,267,149	\$14,596,200	\$12,198,846	\$46,674,395	\$14,548,210	\$7,238,709	\$9,052,074	\$11,029,574	\$190,790,798	\$0	\$196,834,000

WATER PROJECTS

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total CIP (FY18-27)	Later Years Funding	Total Project Cost
320 Zone Water Improvements	0	0	0	0	0	0	0	330,000	0	0	0	330,000	0	330,000
342 Zone Water System Imp. - Phase 1	0	7,800,000	7,800,000	0	0	0	0	0	0	0	0	15,600,000	0	15,600,000
370N Water Booster Pump Station	0	0	120,000	1,070,000	0	0	0	0	0	0	0	1,190,000	0	1,190,000
Lake Mooney WTF Upgrade/Expansion	0	0	0	0	0	1,437,626	18,850,195	3,656,983	0	0	0	23,944,804	0	23,944,804
Centreport Water Tank	0	0	168,000	3,304,000	0	0	0	0	0	0	0	3,472,000	0	3,472,000
Moncure Water Booster Pump Station	0	105,000	1,609,000	0	0	0	0	0	0	0	0	1,714,000	0	1,714,000
Regional Water Interconnection	0	0	0	0	0	0	225,000	3,451,000	0	0	0	3,676,000	0	3,676,000
Small Water Projects	234,000	0	546,000	0	0	234,000	0	0	0	0	0	780,000	0	1,014,000
Smith Lake Distribution PS Upgrade	0	73,000	1,095,000	0	0	0	0	0	0	0	0	1,168,000	0	1,168,000
Water Distribution System Rehab Program	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000	400,000	3,030,000	0	3,138,000
Water Extension Projects	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000	345,000	2,915,000	0	3,147,000
320 Zone Extension	0	0	0	774,179	0	0	0	0	0	0	0	774,179	0	774,179
320 Zone Elevated Storage Tank	0	0	0	1,845,547	0	0	0	0	0	0	0	1,845,547	0	1,845,547
342 Zone Piping	0	0	0	1,879,723	0	0	0	0	0	0	0	1,879,723	0	1,879,723
Truslow Road Piping	0	0	0	0	0	4,290,851	0	0	0	0	0	4,290,851	0	4,290,851
Forbes Street Phase I	0	0	0	0	0	0	0	0	0	250,000	1,250,000	1,500,000	0	1,500,000
RV Parkway Phase II	0	0	0	0	0	0	0	0	0	250,000	850,000	1,100,000	0	1,100,000
Truslow Road Transmission	0	0	0	0	0	0	0	0	0	300,000	2,300,000	2,600,000	0	2,600,000
342 North Phase I	0	0	0	0	0	0	0	0	0	300,000	1,200,000	1,500,000	0	1,500,000
342 North Phase II	0	0	0	0	0	0	0	0	0	200,000	800,000	1,000,000	0	1,000,000
Forbes Street	0	0	0	0	0	0	0	0	0	150,000	550,000	700,000	0	700,000
Total	\$574,000	\$8,332,000	\$11,706,000	\$9,439,449	\$589,000	\$6,575,477	\$19,713,195	\$8,101,983	\$690,000	\$2,168,000	\$7,695,000	\$75,010,104	\$0	\$74,884,104

320 ZONE WATER IMPROVEMENTS

Total Project Cost: \$330,000

Est. Opening Date: 2024

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	27,000	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	303,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	330,000	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330,000	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: \$15,600,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

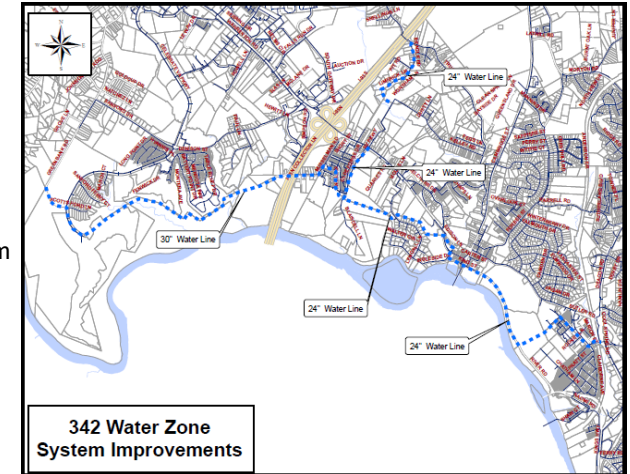
The Water and Sewer Master Plan recommends construction of new 30" and 24" water lines from the new Lake Mooney Water Treatment Facility as well as replacement of older undersized water lines in the 342 water pressure zone to facilitate the transfer of water into the water distribution system. The project consists of 3 phases; Phase 3 was completed in FY15 and Phase 2 will be complete in FY17.

Phase 1 - construction of approximately 25,000 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 - 11,600 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 Lake Mooney Water Treatment Facility 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	7,800,000	7,800,000	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	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	7,800,000	7,800,000	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	0
Total	\$0	\$7,800,000	\$7,800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	478,854	957,708	957,708	957,708	957,708	957,708	957,708	957,708	957,708
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$478,854	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708	\$957,708

370N WATER BOOSTER PUMP STATION

Total Project Cost: \$1,190,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Construction of a 2.0 million gallons per day water pump station near Mountain View Road and Centreport Parkway to move water from the 342 water pressure zone to the 370N water pressure zone.



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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	120,000	1,070,000	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	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	60,000	535,000	0	0	0	0	0	0	0
Availability Fees	0	0	60,000	535,000	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$120,000	\$1,070,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

LAKE MOONEY WTF UPGRADE AND EXPANSION

Total Project Cost: \$23,944,804

Est. Opening Date: 2024

- 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 Pulsators, membranes, and other equipment. This will 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,437,626	18,850,195	3,656,983	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	\$1,437,626	\$18,850,195	\$3,656,983	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	18,850,195	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	1,437,626	0	3,656,983	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,437,626	\$18,850,195	\$3,656,983	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,157,243	1,157,243	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	\$1,157,243	\$1,157,243	\$1,157,243	\$1,157,243

CENTREPORT WATER TANK

Total Project Cost: \$3,472,000

Est. Opening Date: 2020

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	168,000	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	3,304,000	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	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	84,000	1,652,000	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	84,000	1,652,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$168,000	\$3,304,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

MONCURE WATER BOOSTER PUMP STATION

Total Project Cost: \$1,714,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Upgrade of water booster pump station to meet increased water demands in the 433 and 472 water pressure zones which serve the northern part of the county as well as the Camp Barrett area of Quantico.

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	105,000	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	1,609,000	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	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	105,000	804,500	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	804,500	0	0	0	0	0	0	0	0
Total	\$0	\$105,000	\$1,609,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

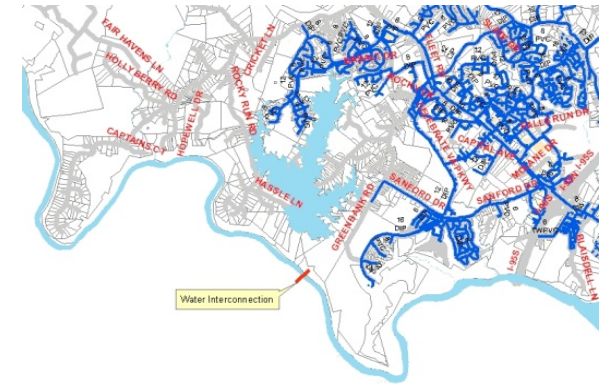
- Water and Sewer Master Plan
- Utilities Fiscal Plan

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	225,000	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	0	0	0	0	0	3,451,000	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	225,000	3,451,000	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000	\$3,451,000	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

1. Washington Gardens Water Line - construction of 800 feet of 12" water line to connect the 12" main on Cambridge Street to the 12" main on Lightning Maple Lane at an estimated cost of \$234,000 - FY22
2. 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

OPERATING IMPACT SUMMARY

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



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	234,000	0	546,000	0	0	234,000	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$234,000	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	117,000	0	273,000	0	0	117,000	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	117,000	0	273,000	0	0	117,000	0	0	0	0	0
Total	\$234,000	\$0	\$546,000	\$0	\$0	\$234,000	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	0	0	0	0	0	0	0	0	0	0
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

SMITH LAKE DISTRIBUTION PUMP STATION UPGRADE

Total Project Cost: \$1,168,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

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 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.

- 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	73,000	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	1,095,000	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	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	36,500	547,500	0	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	36,500	547,500	0	0	0	0	0	0	0	0
Total	\$0	\$73,000	\$1,095,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: \$3,138,000

Est. Opening Date: Ongoing Program

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.

Links to Board's Strategic Initiatives

- 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000	400,000
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	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000	\$385,000	\$400,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	108,000	112,000	116,000	304,000	316,000	329,000	342,000	356,000	370,000	385,000	400,000
Total	\$108,000	\$112,000	\$116,000	\$304,000	\$316,000	\$329,000	\$342,000	\$356,000	\$370,000	\$385,000	\$400,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: \$3,147,000

Est. Opening Date: Ongoing Program

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

Short Water Extension Projects, Neighborhood Projects, and Large Scale Projects that qualify for the extension of water service under the County's Water & Sewer Line Extension Policy (R10-217).

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000	345,000
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	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$333,000	\$345,000

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	333,000	345,000
Total	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$333,000	\$345,000

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

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.

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	774,179	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	\$774,179	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	774,179	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$774,179	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

This is a 0.5 Million Gallon Storage Tank on Kings Highway near Sherwood Forest Farm Road.

- Water and Sewer Master Plan
- Utilities Fiscal 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	1,845,547	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	\$1,845,547	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	1,845,547	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,845,547	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

Links to Board's Strategic Initiatives

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).

- 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 Water Treatment Plant to the 342 and 370N Zones.



PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	1,879,723	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	\$1,879,723	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	1,879,723	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,879,723	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

TRUSLOW ROAD PIPING

Total Project Cost: \$4,290,851

Est. Opening Date: 2022

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

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

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	4,290,851	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	\$4,290,851	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	2,145,426	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
Availability	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	2,145,425	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$4,290,851	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	164,932	164,932	164,932	164,932	164,932
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$164,932	\$164,932	\$164,932	\$164,932	\$164,932

Forbes Street Waterline Phase 1

Total Project Cost: \$1,500,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

16" distribution waterline (4,500 feet) along Forbes Street between Route 1 and Harrel Road (342-04)

OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends replacing the existing lines along Forbes Street from Route 1 to Harrell Road with a 16" line to improve fire flows and water service.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	200,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	50,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	1,250,000
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$1,250,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	125,000	625,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	125,000	625,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$1,250,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

RV Parkway Waterline Phase II

Total Project Cost: \$1,200,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

24" water main (3,000 feet) along RV Parkway between Kelley Road and Route 17 (342-05 Partial)

- Water and Sewer Master Plan
- Utilities Fiscal Plan

OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends constructing a 24" water main along RV Parkway between Kelley Road and Route 17 to improve fire flows and water service.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	200,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	50,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	850,000
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	\$250,000	\$850,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	125,000	425,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	125,000	425,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000	\$850,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Truslow Road Transmission Main

Total Project Cost: \$2,600,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

24" water main (8,200 feet) along Enon Road and Truslow Road between Hulls Chapel Road and Beagle Road (342-06)

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends constructing a 24" water main along Enon Road and Truslow Road between Hulls Chapel Road and Beagle Road to improve fire flows and water service.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	250,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	50,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	2,300,000
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	\$300,000	\$2,300,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	150,000	1,150,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	150,000	1,150,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$2,300,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 North Route Transmission Line Phase I

Total Project Cost: \$1,000,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

16" water main (5,000 feet) between Beagle Road and Layhill Road. (342-07)



OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends constructing a 16" water main between Beagle Road and Layhill Road to improve fire flows and water service.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	200,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	100,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	1,200,000
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	\$300,000	\$1,200,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	150,000	600,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	150,000	600,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$1,200,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 North Route Transmission Line Phase II

Total Project Cost: \$1,000,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

12" water main (4,000 feet) along Layhill Road, Forbes Street and Morton Road between Route 1 and Primmer House Road. (342-08)

OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends constructing a 12" water main along Layhill Road, Forbes Street and Morton Road between Route 1 and Primmer House Road to improve fire flows and water service.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	150,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	50,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	800,000
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	\$200,000	\$800,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	100,000	400,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	100,000	400,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$800,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Forbes Street Phase II

Total Project Cost: \$700,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

12" water main (2,700 feet) along Forbes Street from Manning Drive to Morton Road. (342-09)

OPERATING IMPACT SUMMARY

The Water & Sewer Master Plan recommends constructing a 12" water main along Forbes Street from Manning Drive to Morton Road to improve fire flows and water service.



PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	100,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	50,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	550,000
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	\$150,000	\$550,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	75,000	275,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	75,000	275,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$550,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 PROJECTS

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total CIP (FY18-27)	Later Years Funding	Total Project Cost
Claiborne Run PS Parallel Force Main	381,000	5,833,000	0	0	0	0	0	0	0	0	0	5,833,000	0	6,214,000
Claiborne Run Pump Station Replacement	0	405,000	6,195,000	0	0	0	0	0	0	0	0	6,600,000	0	6,600,000
Country Ridge Pump Station Replacement	0	0	0	0	0	31,000	486,000	0	0	0	0	517,000	0	517,000
Falls Run Pump Station Replacement	0	0	0	280,000	4,282,000	0	0	0	0	0	0	4,562,000	0	4,562,000
Falls Run Sewer Interceptor Replacement - Phase 2	1,200,000	362,000	5,549,000	0	0	0	0	0	0	0	0	5,911,000	0	7,111,000
Austin Run Gravity Sewer Replacement	0	0	0	314,000	4,806,000	0	0	0	0	0	0	5,120,000	0	5,120,000
Little Falls Run WWTF - 3rd Treatment Train	0	0	0	0	0	1,018,000	15,590,000	0	0	0	0	16,608,000	0	16,608,000
18" Gravity Accokeek Creek	1,150,000	435,000	0	0	0	0	0	0	0	0	0	435,000	0	1,585,000
Lower Accokeek FM	200,000	1,400,000	0	0	0	0	0	0	0	0	0	1,400,000	0	1,600,000
8" Gravity Trunk SE Quadrant	0	580,000	0	0	0	0	0	0	0	0	0	580,000	0	580,000
8" Extension of Existing Gravity from Stafford Hospital to PS	0	1,000,000	0	0	0	0	0	0	0	0	0	1,000,000	0	1,000,000
Rowser 10" Gravity Line	0	175,000	0	0	0	0	0	0	0	0	0	175,000	0	175,000
Wyche Rd 12" Gravity Line	0	350,000	0	0	0	0	0	0	0	0	0	350,000	0	350,000
Venture to Wyche Rd 12" Gravity Replacement	0	200,000	0	0	0	0	0	0	0	0	0	200,000	0	200,000
8" Extension of Existing Gravity North of Stafford Hospital	0	260,000	0	0	0	0	0	0	0	0	0	260,000	0	260,000
Potomac Creek Pump Station & Force Main Replacement	0	0	155,000	2,251,000	2,251,000	0	0	0	0	0	0	4,657,000	0	4,657,000
Sewer Extension Projects	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000	320,000	2,877,000	0	3,109,000
Wastewater Collection System Rehabilitation Projects	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 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	1,000,000	1,030,000	1,060,900	1,092,727	1,125,509	1,159,274	1,159,274	7,627,684	0	7,627,684
Wayside Sewer Interceptor Replacement	0	0	179,000	2,744,000	0	0	0	0	0	0	0	2,923,000	0	2,923,000
Route 1 Sewer (Hidden Valley to Potomac Hills-5600 LF of 30")	200,000	3,400,000	0	0	0	0	0	0	0	0	0	3,400,000	0	3,600,000
Aquia Creek Force Main Replacement	0	0	2,589,346	0	0	0	0	0	0	0	0	2,589,346	0	2,589,346
Aquia Creek PS Expansion	0	2,762,295	0	0	0	0	0	0	0	0	0	2,762,295	0	2,762,295
Austin Run Interceptor Section Replacement	0	0	0	0	0	0	0	3,800,000	3,990,000	4,189,500	0	11,979,500	0	11,979,500
Camp Barrett SPS FM	0	0	0	0	0	1,595,569	0	0	0	0	0	1,595,569	0	1,595,569
US 17 VDOT Commuter Lot 10" Gravity Interceptor	0	0	0	0	0	0	0	0	0	130,000	770,000	900,000		900,000
Total	\$3,863,000	\$17,904,295	\$15,419,346	\$6,351,000	\$13,112,000	\$4,458,569	\$17,932,900	\$5,700,727	\$5,935,509	\$6,298,774	\$2,749,274	\$95,862,394	\$0	\$99,725,394

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. 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	381,000	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	5,670,000	0	0	0	0	0	0	0	0	0
Contingency	0	163,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	190,500	2,916,500	0	0	0	0	0	0	0	0	0
Availability fees	190,500	2,916,500	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$381,000	\$5,833,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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.

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	78,000	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	327,000	6,195,000	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	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	202,500	3,097,500	0	0	0	0	0	0	0	0
ProRata Fees	0	202,500	3,097,500	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	\$405,000	\$6,195,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	15,567	253,691	253,691	253,691	253,691	253,691	253,691	253,691	253,691
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$15,567	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691	\$253,691

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan



COUNTRY RIDGE PUMP STATION REPLACEMENT

Total Project Cost: \$517,000

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	0	0	0	31,000	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	472,000	0	0	0	0
Contingency	0	0	0	0	0	0	14,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	243,000	0	0	0	0
Availability	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	31,000	243,000	0	0	0	0
Total	0	\$0	\$0	\$0	\$0	\$31,000	\$486,000	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	0	280,000	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	4,282,000	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	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	140,000	2,141,000	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	140,000	2,141,000	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$280,000	\$4,282,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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 SEWER INTERCEPTOR REPLACEMENT - PHASE 2

Total Project Cost: \$7,111,000

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan

PROGRAM DESCRIPTION

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



OPERATING IMPACT SUMMARY

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.

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	1,200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	362,000	5,549,000	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	\$1,200,000	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	1,200,000	362,000	5,549,000	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	0
Total	\$1,200,000	\$362,000	\$5,549,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	27,829	454,415	454,415	454,415	454,415	454,415	454,415	454,415	454,415
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$27,829	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415	\$454,415

AUSTIN RUN GRAVITY SEWER REPLACEMENT

Total Project Cost: \$5,120,000

Est. Opening Date: 2020

Links to Board's Strategic Initiatives

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)

- 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	0	314,000	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	4,666,000	0	0	0	0	0	0
Contingency	0	0	0	0	140,000	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	4,519,000	0	0	0	0	0	0
ProRata Fees	0	0	0	157,000	143,500	0	0	0	0	0	0
Availability Fees	0	0	0	157,000	143,500	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$314,000	\$4,806,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	347,403	347,403	347,403	347,403	347,403	347,403
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$347,403	\$347,403	\$347,403	\$347,403	\$347,403	\$347,403

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	0	0	0	1,018,000	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	15,136,000	0	0	0	0
Contingency	0	0	0	0	0	0	454,000	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	15,590,000	0	0	0	0
ProRata Fees	0	0	0	0	0	509,000	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	509,000	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,018,000	\$15,590,000	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	1,198,499	1,198,499	1,198,499	1,198,499
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$1,198,499	\$1,198,499	\$1,198,499	\$1,198,499

18"GRAVITY ACCOKEEK CREEK PS

Total Project Cost: \$1,585,000

Est. Opening Date: 2018

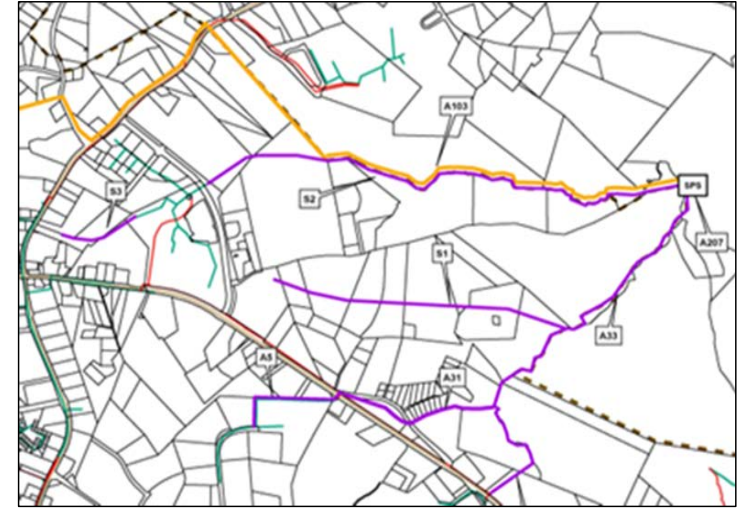
Links to Board's Strategic Initiatives

- 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:

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	100,000	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	1,050,000	435,000	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	\$1,150,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	1,150,000	435,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$1,150,000	\$435,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	88,408	121,849	121,849	121,849	121,849	121,849	121,849	121,849	121,849	121,849
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$88,408	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849	\$121,849

CONSTRUCT LOWER ACCOKEEK FM TO EXISTING SEWER

Total Project Cost: \$1,600,000

Est. Opening Date: 2018

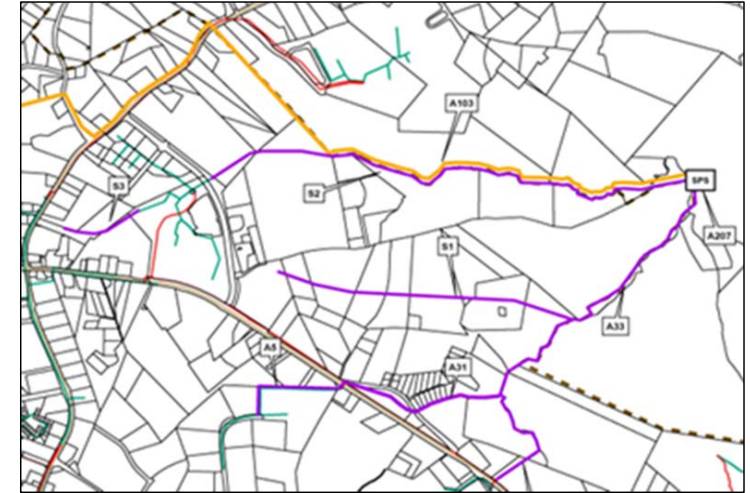
Links to Board's Strategic Initiatives

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)

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,400,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,400,000	0	0	0	0	0	0	0	0	0
ProRata Fees	200,000	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	\$200,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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: 2018

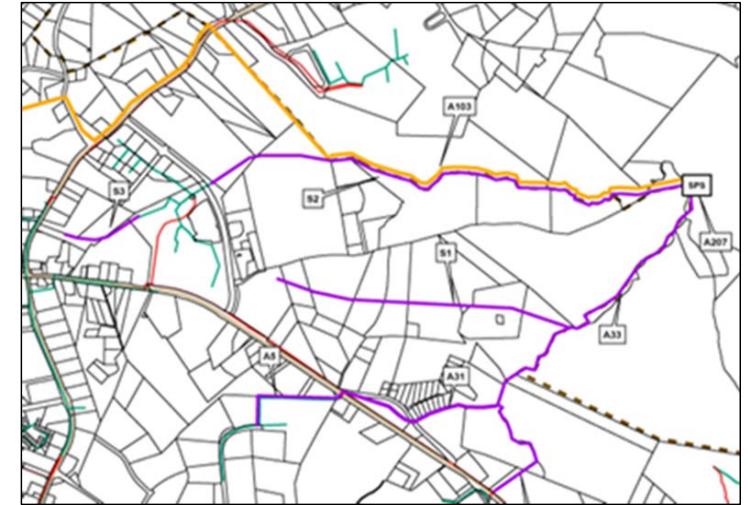
Links to Board's Strategic Initiatives

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 Development in SE quadrant.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	580,000	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	580,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$580,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

8" EXTENSION of EX GRAVITY FROM HOSPITAL TO PS

Total Project Cost: \$1,000,000

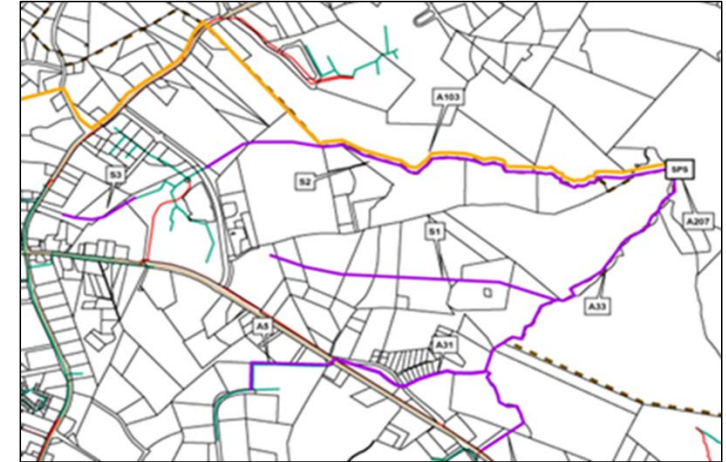
Est. Opening Date: 2018

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	1,000,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,000,000	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	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	76,876	76,876	76,876	76,876	76,876	76,876	76,876	76,876	76,876
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$76,876	\$76,876	\$76,876	\$76,876	\$76,876	\$76,876	\$76,876	\$76,876	\$76,876

ROWSER 10" GRAVITY LINE

Total Project Cost: \$175,000

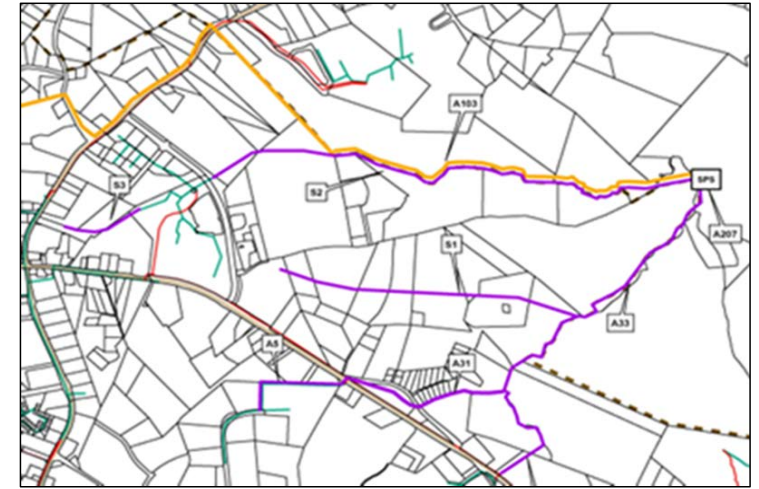
Est. Opening Date: 2018

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for economic development in the area

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	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	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	175,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$175,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	13,453	13,453	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	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453	\$13,453

WYCHE ROAD 12" GRAVITY LINE

Total Project Cost: \$350,000

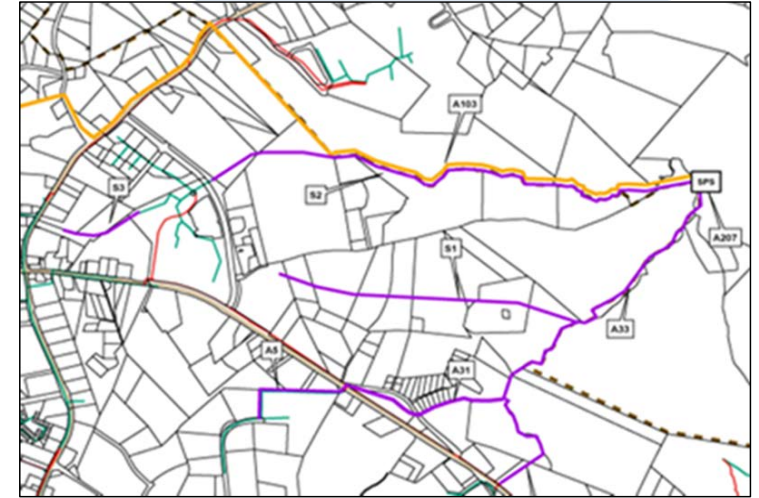
Est. Opening Date: 2018

Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for Economic Development in the area

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	350,000	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	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	350,000	0	0	0	0	0	0	0	0	0
ProRata Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	26,907	26,907	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	\$26,907	\$26,907	\$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

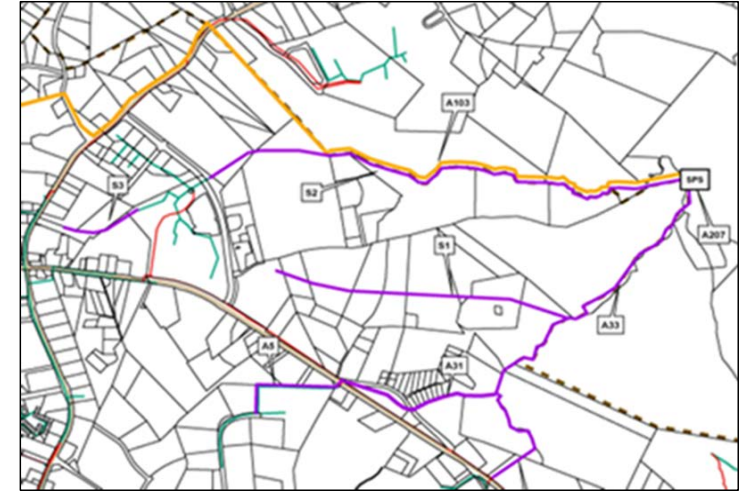
Est. Opening Date: 2018

Links to Board's Strategic Initiatives

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)

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for Economic Development in the area

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	200,000	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	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	200,000	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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: 2018

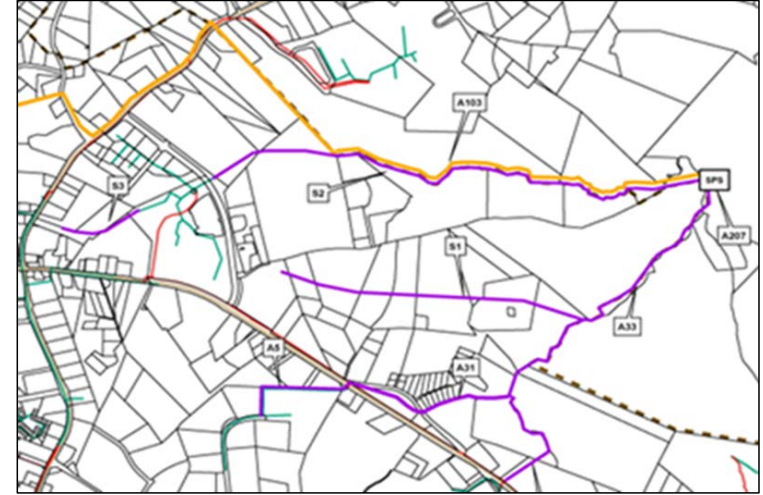
Links to Board's Strategic Initiatives

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.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

Provides for Economic Development in the area.

PROJECT COSTS

Cost Categories	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	260,000	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	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	260,000	0	0	0	0	0	0	0	0	0
Availability fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$260,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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: 2021

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

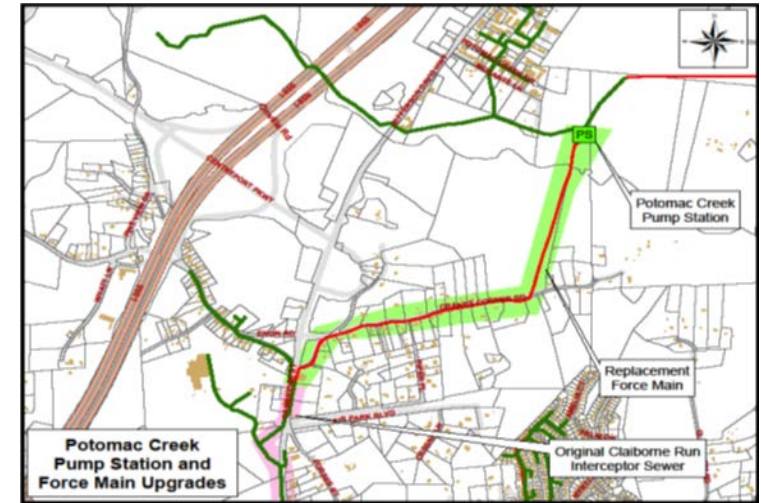
PROGRAM DESCRIPTION

Replacement of the existing pumping station with a new 4.34 MGD 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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Design	0	0	155,000	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	2,251,000	2,251,000	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	\$155,000	\$2,251,000	\$2,251,000	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	77,500	1,125,500	1,125,500	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	77,500	1,125,500	1,125,500	0	0	0	0	0	0
Total	\$0	\$0	\$155,000	\$2,251,000	\$2,251,000	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

SEWER EXTENSION PROJECTS

Total Project Cost: \$3,109,000

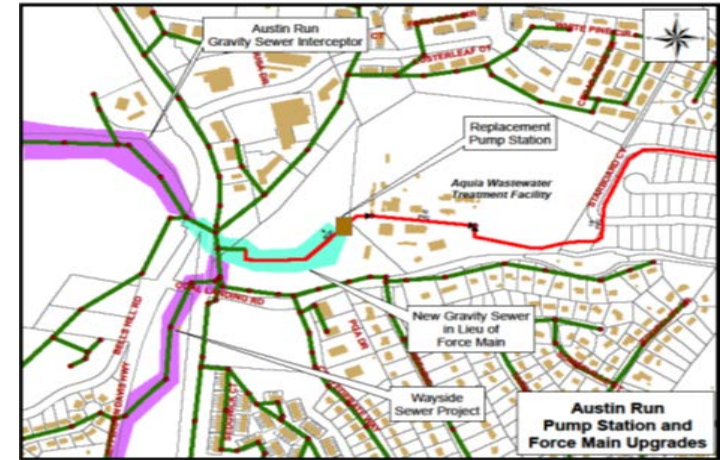
Est. Opening Date: Ongoing

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000	320,000
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	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$320,000	\$320,000

Funding Sources	Prior Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	232,000	242,000	252,000	262,000	273,000	284,000	296,000	308,000	320,000	320,000	320,000
User Fees	0	0	0	0	0	0	0	0	0	0	0
Total	\$232,000	\$242,000	\$252,000	\$262,000	\$273,000	\$284,000	\$296,000	\$308,000	\$320,000	\$320,000	\$320,000

Operating Impacts	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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: \$2,750,000

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

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

OPERATING IMPACT SUMMARY

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

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

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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
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: \$7,627,684

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

This program will identify and replace wastewater pump stations based on condition and/or capacity issues to prevent the likelihood of pump station failures, sewage overflows, etc. Each year the stations in need of replacement will be prioritized and addressed as funding is available.

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,000,000	1,030,000	1,060,900	1,092,727	1,125,509	1,159,274	1,159,274
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	\$1,000,000	\$1,030,000	\$1,060,900	\$1,092,727	\$1,125,509	\$1,159,274	\$1,159,274

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	500,000	515,000	530,450	546,364	562,755	579,637	579,637
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	500,000	515,000	530,450	546,364	562,755	579,637	579,637
Total	\$0	\$0	\$0	\$0	\$1,000,000	\$1,030,000	\$1,060,900	\$1,092,727	\$1,125,509	\$1,159,274	\$1,159,274

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: 2020

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.

- 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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	179,000	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	2,744,000	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	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	89,500	1,372,000	0	0	0	0	0	0	0
Availability Fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	89,500	1,372,000	0	0	0	0	0	0	0
Total	\$0	\$0	\$179,000	\$2,744,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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 1 SEWER (HIDDEN VALLEY TO POTOMAC HILLS)

Total Project Cost: \$3,600,000

Est. Opening Date: 2,018

Links to Board's Strategic Initiatives

PROGRAM DESCRIPTION

Replace 5,600 LF of existing undersized 10 Asbestos Cement gravity sewer with 30" gravity sewer to accommodate commercial growth in the Boswell's Corner area.

- Water and Sewer Master Plan
- Utilities Fiscal Plan



OPERATING IMPACT SUMMARY

The purpose of this project is to promote economic and commercial growth in the area.

PROJECT COSTS

Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	200,000	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	3,400,000	0	0	0	0	0	0	0	0	0
Contingency	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	200,000	1,398,000	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	2,002,000	0	0	0	0	0	0	0	0	0
Total	\$200,000	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Personnel	0	0	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0	0	0
Debt Service	15,375	122,848	122,848	122,848	122,848	122,848	122,848	122,848	122,848	122,848
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$15,375	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848	\$122,848

AQUIA CREEK FORCE MAIN REPLACEMENT

Total Project Cost: \$2,589,346

Est. Opening Date: 2019

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

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.



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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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	0	2,589,346	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	\$2,589,346	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	2,386,846	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	202,500	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$2,589,346	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	183,492	183,492	183,492	183,492	183,492	183,492	183,492	183,492
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$183,492	\$183,492	\$183,492	\$183,492	\$183,492	\$183,492	\$183,492	\$183,492

AQUIA CREEK PS EXPANSION

Total Project Cost: \$2,762,295

Est. Opening Date: 2018

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

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



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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	2,762,295	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	\$2,762,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	1,173,795	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	1,588,500	0	0	0	0	0	0	0	0	0
Total	\$0	\$2,762,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	90,237	90,237	90,237	90,237	90,237	90,237	90,237	90,237	90,237
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237	\$90,237

AUSTIN RUN INTERCEPTOR SECTION REPLACEMENT

Total Project Cost: \$11,979,500

Est. Opening Date: 2026

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	3,800,000	3,990,000	4,189,500	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	\$3,800,000	\$3,990,000	\$4,189,500	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	0	1,511,557	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	2,288,443	3,990,000	4,189,500	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,800,000	\$3,990,000	\$4,189,500	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	116,203	116,203	116,203
Revenue/Savings	0	0	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$116,203	\$116,203	\$116,203

CAMP BARRETT SPS FM

Total Project Cost: \$1,595,569

Est. Opening Date: 2022

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

PROGRAM DESCRIPTION

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



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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,595,569	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	\$1,595,569	\$0	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,595,569	0	0	0	0	0
Total	\$0	\$0	\$0	\$0	\$0	\$1,595,569	\$0	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

US 17 VDOT Commuter Lot 10" Gravity Interceptor

Total Project Cost: \$700,000

Est. Opening Date: 2028

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

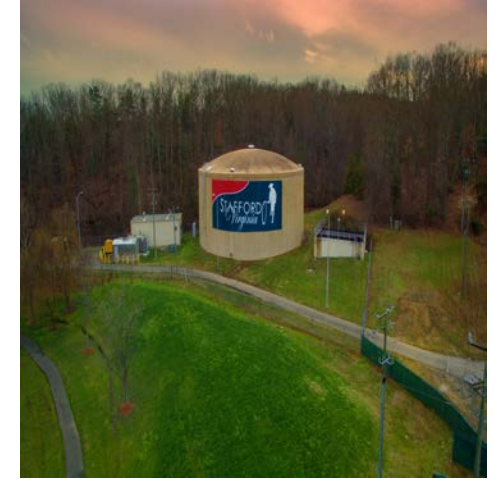
PROGRAM DESCRIPTION

10" Gravity Interceptor from Powells Lane Pump Station along unnamed tributary to the vicinity of Riverside Parkway. (LFR-23)

OPERATING IMPACT SUMMARY

The purpose of the project is to provide sewer from Powells Lane Pump Station and future growth along US 17 to the Pump Station near Riverside Drive.

PROJECT COSTS



Cost Categories	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	0	0	0	0	100,000	0
Property Acquisition	0	0	0	0	0	0	0	0	0	30,000	0
Construction / Project	0	0	0	0	0	0	0	0	0	0	770,000
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	\$130,000	\$770,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	65,000	385,000
Availability fees	0	0	0	0	0	0	0	0	0	0	0
User Fees	0	0	0	0	0	0	0	0	0	65,000	385,000
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$130,000	\$770,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

OTHER PROJECTS

Projects	Prior Funding	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	Total CIP (FY18-27)	Later Years Funding	Total Project Cost
Stafford County Complex	0	750,000	0	0	0	423,000	5,734,000	0	0	0	0	6,907,000	0	6,907,000
Vehicles & Equipment Replacements	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000	400,000	5,617,000	0	6,092,000
Contingency Allowance	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300	185,300	7,394,300	0	8,525,100
Total	1,605,800	2,568,000	2,256,000	1,476,700	895,200	1,164,800	9,028,300	745,500	613,200	585,300	585,300	19,918,300	0	21,524,100

STAFFORD COUNTY COMPLEX

Total Project Cost: \$6,907,000

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Planning/Design	0	0	0	0	0	423,000	0	0	0	0	0
Property Acquisition	0	0	0	0	0	0	0	0	0	0	0
Construction / Project	0	750,000	0	0	0	0	5,734,000	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	\$750,000	\$0	\$0	\$0	\$423,000	\$5,734,000	\$0	\$0	\$0	\$0

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
Current Revenue	0	0	0	0	0	0	0	0	0	0	0
Bonds	0	0	0	0	0	0	3,676,000	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	750,000	0	0	0	423,000	2,058,000	0	0	0	0
Total	\$0	\$750,000	\$0	\$0	\$0	\$423,000	\$5,734,000	\$0	\$0	\$0	\$0

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	282,597	282,597	282,597	282,597
Revenue/Savings	0	0	0	0	0	(130,420)	(133,028)	(135,688)	(138,402)	(141,170)
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$149,569	\$146,909	\$144,195	\$141,427

VEHICLES AND EQUIPMENT REPLACEMENTS

Total Project Cost: \$6,092,000

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000	400,000
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	\$475,000	\$675,000	\$879,000	\$891,000	\$443,000	\$426,000	\$662,000	\$383,000	\$458,000	\$400,000	\$400,000

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	475,000	675,000	879,000	891,000	443,000	426,000	662,000	383,000	458,000	400,000	400,000
Total	\$475,000	\$675,000	\$879,000	\$891,000	\$443,000	\$426,000	\$662,000	\$383,000	\$458,000	\$400,000	\$400,000

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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: \$8,525,100

Est. Opening Date: Ongoing

Links to Board's Strategic Initiatives

- Water and Sewer Master Plan
- Utilities Fiscal Plan

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	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300	185,300
Total	\$1,130,800	\$1,143,000	\$1,377,000	\$585,700	\$452,200	\$315,800	\$2,632,300	\$362,500	\$155,200	\$185,300	\$185,300

Funding Sources	Prior Year	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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	1,130,800	1,143,000	1,377,000	585,700	452,200	315,800	2,632,300	362,500	155,200	185,300	185,300
Total	\$1,130,800	\$1,143,000	\$1,377,000	\$585,700	\$452,200	\$315,800	\$2,632,300	\$362,500	\$155,200	\$185,300	\$185,300

Operating Impacts	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027
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

Collected Proffers

Stafford County FY18 Adopted Budget

Proffers are contributions of land, capital improvements and funding from developers to address the demand for community services created by new development. The inclusion of identified or collected proffers into the funding sources for CIP projects reduces the level of general tax support and makes these projects more affordable for the community. The table below provides details regarding proffer allocations for FY2016.

	FY2015	Proffers Received in FY2016	Proffers Budgeted & Appropriated in FY2016
Schools	\$87,280	\$1,525,863	\$800,000
Roads	654,186	782,695	919,829
Parks and Recreation	62,159	339,385	50,000
Libraries	85,516	38,868	
General Government	2,017	8,848	
Fire and Rescue	414,665	45,831	
Government Center	4,738	512	
Landfill	533	140	
	<hr/> \$1,311,094	<hr/> \$2,742,142	<hr/> \$1,769,829

The objective in Debt Management is:

- to keep the level of debt affordable within the County's resources. Stafford meets this objective and expects to in the future.



Newly rebuilt Stafford High School.

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.

Bond Rating

The County's bond ratings are shown below:

	Moody's	Standard & Poor's	Fitch
General Obligation	Aa1	AAA	AAA

In May, 2017 Stafford County received positive financial news when Moody's Investors Service confirmed the County's bond rating at Aa1 and revised the outlook to positive. The County also received an upgrade from Fitch rating agency from AA+ to AAA and stated the upgrade reflects the County's strong revenue framework and long term prospects, low long term liability burden, and outstanding gap closing capacity.

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.

"The AAA validates our steadfast commitment to being a fiscally responsible and accountable government," said Supervisor Bob Thomas, George Washington District representative and chairman of the Board's Finance, Audit and Budget Committee. "Through all of our challenges, we have found innovative ways to provide services to our citizens, and I applaud the partnership among the Board of Supervisors, the Stafford County School Board, staff, businesses, and citizens to help us reach this long-standing goal.

Other factors that influenced Standard & Poors' rating for Stafford included the County's very strong economy, strong management, strong budgetary performance, with operating surpluses in the general fund, budgetary flexibility, strong liquidity, and adequate debt. 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 November 2015, the debt limitations are as follows:

- General obligation debt shall not exceed 3.0% of the assessed valuation of taxable real property.
- General fund debt service expenditures (County and Schools) shall not exceed 10% of the general government and schools operating budgets.
- 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 County complied with the policy and reached the goal one year early.

The adopted CIP fully complies with the financial policies.

DEPARTMENTAL GOALS/OBJECTIVES

- Further enhancing the County's General Obligation Bond rating to promote financial integrity
- Maintain cash capital at 3% of the operating budget
- 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

	FY2016 Actual	FY2017 Budget	FY2018 Plan
Outcomes			
Debt Service	\$43,745,842	\$44,734,929	46,472,509
Debt Service per Capita	\$307	\$309	\$316
Maintain current rating with a goal to achieve the highest possible GO bond rating from all three rating agencies - Goal - AAA			
Standard & Poor's	AAA	AAA	AAA
Moody's	Aa1	Aa1	Aa1
Fitch	AA+	AAA	AAA

DEPARTMENTAL ACCOMPLISHMENTS

- May 2017 Fitch upgraded the County's bond rating from AA+ to AAA.
- July 2015 Standard & Poor's upgraded the County's bond rating to AAA.
- The goal to increase the cash capital budget to 3% of the operating budget by FY2018 was accomplished in the FY17 adopted budget. The goal was met one year early.

Analysis of Outstanding Debt

Stafford County FY18 Adopted Budget

General Obligation Bonds

School Bond - VPSA

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	282,643,148	18,403,499	264,239,649
2019	264,239,649	18,485,996	245,753,653
2020	245,753,653	17,846,214	227,907,439
2021	227,907,439	17,070,408	210,837,031
2022	210,837,031	17,150,176	193,686,855

Bonds for County Projects

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	44,745,000	2,215,000	42,530,000
2019	42,530,000	2,815,000	39,715,000
2020	39,715,000	2,805,000	36,910,001
2021	36,910,001	2,805,000	34,105,001
2022	34,105,001	2,800,000	31,305,001

Revenue Bonds

Lease Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	5,000,000	2,500,000	2,500,000
2019	2,500,000	2,500,000	0
2020	0	-	0
2021	0	-	0
2022	0	-	0

General Government - Financing Lease - VRA

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	67,125,000	1,585,000	65,540,000
2019	65,540,000	1,640,000	63,900,000
2020	63,900,000	4,285,000	59,615,000
2021	59,615,000	4,370,000	55,245,000
2022	55,245,000	4,470,000	50,775,000

Other Debt

Other- Landfill

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2017	1,855,000	195,000	1,660,000
2018	1,660,000	205,000	1,455,000
2019	1,455,000	215,000	1,240,000
2020	1,240,000	225,000	1,015,000
2021	1,015,000	235,000	780,000

Literary Fund Loans

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	1,330,739	466,149	864,590
2019	864,590	216,149	648,441
2020	648,441	216,149	432,292
2021	432,292	216,149	216,143
2022	216,143	216,143	0

Total General Obligation Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	328,718,887	21,084,648	307,634,239
2019	307,634,239	21,517,145	286,117,094
2020	286,117,094	20,867,363	265,249,732
2021	265,249,732	20,091,557	245,158,175
2022	245,158,175	20,166,319	224,991,856

General Government - Financing Lease - Crow's Nest

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
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
2021	4,397,447	506,703	3,890,745
2022	3,890,745	518,424	3,372,320

Other Debt

Other- Equipment Leases- County Equipment

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	11,220,253	2,548,837	8,671,416
2019	8,671,416	2,242,668	6,428,748
2020	6,428,748	1,801,826	4,626,922
2021	4,626,922	1,847,255	2,779,667
2022	2,779,667	691,881	2,087,787

Analysis of Outstanding Debt

Stafford County FY18 Adopted Budget

Utilities Fund

Revenue Bonds

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	100,489,852	3,512,042	96,977,810
2019	96,977,810	3,624,851	93,352,959
2020	93,352,959	3,743,087	89,609,872
2021	89,609,872	3,861,760	85,748,112
2022	85,748,112	3,985,877	81,762,235

Total Utilities Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	100,489,852	3,512,042	96,977,810
2019	96,977,810	3,624,851	93,352,959
2020	93,352,959	3,743,087	89,609,872
2021	89,609,872	3,861,760	85,748,112
2022	85,748,112	3,985,877	81,762,235

All Funds

Total All Funds Debt

Fiscal Year	Balance July 1	Principal Payments	Balance June 30
2018	451,278,842	30,118,633	421,160,209
2019	421,160,209	30,368,713	390,791,496
2020	390,791,496	26,907,523	363,883,973
2021	363,883,973	26,307,275	337,576,698
2022	337,576,698	25,362,501	312,214,198

General Fund Bond Debt

Stafford County FY18 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 FY18 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>\$1,129,639</u>	<u>\$5,939,639</u>	

General Fund Bond Debt

Stafford County FY18 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
2014		123,076	\$123,076	5,290,000
2015	260,000	236,900	496,900	5,030,000
2016	260,000	227,800	487,800	4,770,000
2017	265,000	215,975	480,975	4,505,000
2018	265,000	202,725	467,725	4,240,000
2019	265,000	189,475	454,475	3,975,000
2020	265,000	176,225	441,225	3,710,000
2021	265,000	162,975	427,975	3,445,000
2022	265,000	149,725	414,725	3,180,000
2023	265,000	136,475	401,475	2,915,000
2024	265,000	123,225	388,225	2,650,000
2025	265,000	109,975	374,975	2,385,000
2026	265,000	96,725	361,725	2,120,000
2027	265,000	83,475	348,475	1,855,000
2028	265,000	70,225	335,225	1,590,000
2029	265,000	58,300	323,300	1,325,000
2030	265,000	47,700	312,700	1,060,000
2031	265,000	37,100	302,100	795,000
2032	265,000	26,500	291,500	530,000
2033	265,000	15,900	280,900	265,000
2034	265,000	5,300	270,300	0
	<u>5,290,000</u>	<u>2,372,700</u>	<u>7,662,700</u>	

General Fund Bond Debt

Stafford County FY18 Adopted Budget

General Government General Obligation Bonds - Series 2015, Parks, Recreation

Fiscal Year	Principal	Interest	Total	Balance
2016	-	113,557	113,557	5,947,629
2017	299,832	235,977	535,809	5,647,797
2018	299,832	226,982	526,814	5,347,965
2019	299,832	214,989	514,821	5,048,133
2020	296,949	200,069	497,018	4,751,184
2021	296,949	185,222	482,171	4,454,235
2022	296,949	170,374	467,323	4,157,286
2023	296,949	155,527	452,476	3,860,337
2024	296,949	140,680	437,629	3,563,388
2025	296,949	125,832	422,781	3,266,439
2026	296,949	110,985	407,934	2,969,490
2027	296,949	96,137	393,086	2,672,541
2028	296,949	81,290	378,239	2,375,592
2029	296,949	69,412	366,361	2,078,643
2030	296,949	60,503	357,452	1,781,694
2031	296,949	51,595	348,544	1,484,745
2032	296,949	42,686	339,635	1,187,796
2033	296,949	33,592	330,541	890,847
2034	296,949	24,313	321,262	593,898
2035	296,949	14,847	311,796	296,949
2036	296,949	5,011	301,960	-
	<u>5,947,629</u>	<u>2,359,582</u>	<u>8,307,211</u>	

General Government General Obligation Bonds Series 2015, Transportation

Fiscal Year	Principal	Interest	Total	Balance
2016		83,386	\$83,386	4,367,371
2017	220,168	173,279	\$393,447	4,147,203
2018	220,168	166,674	\$386,842	3,927,035
2019	220,168	157,867	\$378,035	3,706,867
2020	218,051	146,912	\$364,963	3,488,816
2021	218,051	136,009	\$354,060	3,270,765
2022	218,051	125,107	\$343,158	3,052,714
2023	218,051	114,204	\$332,255	2,834,663
2024	218,051	103,302	\$321,353	2,616,612
2025	218,051	92,399	\$310,450	2,398,561
2026	218,051	81,497	\$299,548	2,180,510
2027	218,051	70,594	\$288,645	1,962,459
2028	218,051	59,691	\$277,742	1,744,408
2029	218,051	50,969	\$269,020	1,526,357
2030	218,051	44,428	\$262,479	1,308,306
2031	218,051	37,886	\$255,937	1,090,255
2032	218,051	31,345	\$249,396	872,204
2033	218,051	24,667	\$242,718	654,153
2034	218,051	17,853	\$235,904	436,102
2035	218,051	10,903	\$228,954	218,051
2036	218,051	3,680	\$221,731	-
	<u>4,367,371</u>	<u>1,732,652</u>	<u>6,100,023</u>	

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

General Fund Bond Debt

Stafford County FY18 Adopted Budget

General Government General Obligation Bonds - Series 2017, Parks, Recreation

Fiscal Year	Principal	Interest	Total	Balance
				2,773,800
2018	-	70,504	70,504	2,773,800
2019	139,150	112,418	251,568	2,634,650
2020	139,150	105,461	244,611	2,495,500
2021	139,150	98,503	237,653	2,356,350
2022	139,150	91,546	230,696	2,217,200
2023	139,150	84,588	223,738	2,078,050
2024	139,150	77,631	216,781	1,938,900
2025	139,150	70,673	209,823	1,799,750
2026	139,150	63,716	202,866	1,660,600
2027	139,150	56,758	195,908	1,521,450
2028	139,150	49,801	188,951	1,382,300
2029	139,150	43,539	182,689	1,243,150
2030	139,150	37,973	177,123	1,104,000
2031	138,000	32,430	170,430	966,000
2032	138,000	27,600	165,600	828,000
2033	138,000	23,460	161,460	690,000
2034	138,000	19,320	157,320	552,000
2035	138,000	15,180	153,180	414,000
2036	138,000	10,954	148,954	276,000
2037	138,000	6,641	144,641	138,000
2038	138,000	2,242	140,242	-
	<u>2,773,800</u>	<u>1,100,938</u>	<u>3,874,738</u>	

General Government General Obligation Bonds Series 2017, Transportation

Fiscal Year	Principal	Interest	Total	Balance
				9,286,200
2018		236,035	\$236,035	9,286,200
2019	465,850	376,357	\$842,207	8,820,350
2020	465,850	353,064	\$818,914	8,354,500
2021	465,850	329,772	\$795,622	7,888,650
2022	465,850	306,479	\$772,329	7,422,800
2023	465,850	283,187	\$749,037	6,956,950
2024	465,850	259,894	\$725,744	6,491,100
2025	465,850	236,602	\$702,452	6,025,250
2026	465,850	213,309	\$679,159	5,559,400
2027	465,850	190,017	\$655,867	5,093,550
2028	465,850	166,724	\$632,574	4,627,700
2029	465,850	145,761	\$611,611	4,161,850
2030	465,850	127,127	\$592,977	3,696,000
2031	462,000	108,570	\$570,570	3,234,000
2032	462,000	92,400	\$554,400	2,772,000
2033	462,000	78,540	\$540,540	2,310,000
2034	462,000	64,680	\$526,680	1,848,000
2035	462,000	50,820	\$512,820	1,386,000
2036	462,000	36,671	\$498,671	924,000
2037	462,000	22,234	\$484,234	462,000
2038	462,000	7,507	\$469,507	-
	<u>9,286,200</u>	<u>3,685,750</u>	<u>12,971,950</u>	

General Fund Bond Debt

Stafford County FY18 Adopted Budget

Virginia Resource Authority 2017, Animal Shelter

Fiscal Year	Principal	Interest	Total	Balance
				5,430,000
2018	190,000	199,187	389,187	5,240,000
2019	180,000	206,769	386,769	5,060,000
2020	190,000	200,563	390,563	4,870,000
2021	195,000	192,722	387,722	4,675,000
2022	205,000	182,472	387,472	4,470,000
2023	215,000	171,709	386,709	4,255,000
2024	230,000	160,306	390,306	4,025,000
2025	240,000	148,263	388,263	3,785,000
2026	250,000	135,706	385,706	3,535,000
2027	265,000	122,509	387,509	3,270,000
2028	275,000	110,572	385,572	2,995,000
2029	285,000	100,972	385,972	2,710,000
2030	295,000	91,909	386,909	2,415,000
2031	310,000	80,306	390,306	2,105,000
2032	320,000	66,063	386,063	1,785,000
2033	335,000	53,578	388,578	1,450,000
2034	345,000	42,738	387,738	1,105,000
2035	355,000	31,294	386,294	750,000
2036	370,000	19,213	389,213	380,000
2037	380,000	6,484	386,484	-
	<u>5,430,000</u>	<u>2,323,334</u>	<u>7,753,334</u>	

General Fund Lease Debt

Stafford County FY18 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>	

Radio System FCC Mandated Upgrade to TDMA

Fiscal Year	Principal	Interest	Total	Balance
	\$0	\$0	\$0	\$2,100,000
2017	405,709	33,511	439,220	1,694,291
2018	412,732	26,488	439,220	1,281,560
2019	419,876	19,344	439,220	861,684
2020	427,145	12,075	439,220	434,539
2021	434,539	4,681	439,220	0
	<u>\$2,100,000</u>	<u>\$96,100</u>	<u>\$5,575,775</u>	

Fire Rescue Heavy Rescue

Fiscal Year	Principal	Interest	Total	Balance
				3,028,339
2017	276,506	58,209	334,715	2,751,833
2018	282,049	52,665	334,715	2,469,784
2019	287,704	47,011	334,715	2,182,080
2020	293,472	41,242	334,715	1,888,607
2021	299,356	35,359	334,715	1,589,251
2022	305,358	29,357	334,715	1,283,893
2023	311,480	23,235	334,715	972,413
2024	317,725	16,990	334,715	654,688
2025	324,095	10,620	334,715	330,593
2026	330,593	4,122	334,715	0
	<u>3,028,339</u>	<u>318,810</u>	<u>3,347,149</u>	

Utilities Fund Bond Debt

Stafford County FY18 Adopted Budget

Virginia Resource Authority - Little Falls Run

Fiscal Year	Principal	Interest	Total	Balance
				9,326,573
2012	179,131	640,886	820,017	9,147,442
2013	365,351	321,513	686,864	8,782,091
2014	378,429	308,435	686,864	8,403,662
2015	393,034	260,813	653,847	8,010,628
2016	405,681	215,150	620,831	7,604,947
2017	416,791	204,039	620,830	7,188,156
2018	428,204	192,626	620,830	6,759,952
2019	439,931	180,899	620,830	6,320,021
2020	451,978	168,852	620,830	5,868,043
2021	464,356	156,474	620,830	5,403,687
2022	477,072	143,758	620,830	4,926,615
2023	490,137	130,694	620,831	4,436,478
2024	503,559	117,271	620,830	3,932,919
2025	517,349	103,482	620,831	3,415,570
2026	531,516	89,314	620,830	2,884,054
2027	546,072	74,758	620,830	2,337,982
2028	561,027	59,804	620,831	1,776,955
2029	576,390	44,440	620,830	1,200,565
2030	592,174	28,655	620,829	608,391
2031	608,391	12,439	620,830	0
	<u>9,326,573</u>	<u>3,454,302</u>	<u>12,780,875</u>	

Virginia Resources Authority - Aquia

Fiscal Year	Principal	Interest	Total	Balance
				23,386,038
2012	536,481	475,248	1,011,729	22,849,557
2013	1,064,593	353,935	1,418,528	21,784,964
2014	1,074,248	344,280	1,418,528	20,710,716
2015	1,091,505	327,023	1,418,528	19,619,211
2016	1,124,655	247,521	1,372,176	18,494,556
2017	1,152,860	172,967	1,325,827	17,341,696
2018	1,163,838	161,989	1,325,827	16,177,858
2019	1,174,920	150,906	1,325,826	15,002,938
2020	1,186,109	139,717	1,325,826	13,816,829
2021	1,197,404	128,423	1,325,827	12,619,425
2022	1,208,805	117,020	1,325,825	11,410,620
2023	1,220,317	105,509	1,325,826	10,190,303
2024	1,231,937	93,889	1,325,826	8,958,366
2025	1,243,668	82,158	1,325,826	7,714,698
2026	1,255,511	70,315	1,325,826	6,459,187
2027	1,267,467	58,359	1,325,826	5,191,720
2028	1,279,537	46,290	1,325,827	3,912,183
2029	1,291,721	34,105	1,325,826	2,620,462
2030	1,304,022	21,804	1,325,826	1,316,440
2031	1,316,440	9,388	1,325,828	0
	<u>23,386,038</u>	<u>3,140,846</u>	<u>26,526,884</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.

Fiscal Year	Principal	Interest	Total	Balance
				15,000,000
2013		2,314,858		15,000,000
2014	810,000	2,606,713	3,416,713	14,190,000
2015	845,000	2,573,679	3,418,679	13,345,000
2016	885,000	2,531,847	3,416,847	12,460,000
2017	930,000	1,506,616	2,436,616	11,530,000
2018	975,000	479,078	1,454,078	10,555,000
2019	1,020,000	432,531	1,452,531	9,535,000
2020	1,070,000	383,550	1,453,550	8,465,000
2021	1,125,000	327,303	1,452,303	7,340,000
2022	1,180,000	273,487	1,453,487	6,160,000
2023	1,235,000	218,703	1,453,703	4,925,000
2024	-	188,906	188,906	4,925,000
2025	-	188,906	188,906	4,925,000
2026	-	188,906	188,906	4,925,000
2027	455,000	181,797	636,797	4,470,000
2028	475,000	167,266	642,266	3,995,000
2029	495,000	152,109	647,109	3,500,000
2030	-	144,375	144,375	3,500,000
2031	-	144,375	144,375	3,500,000
2032	-	144,375	144,375	3,500,000
2033	-	144,375	144,375	3,500,000
2034	640,000	131,175	771,175	2,860,000
2035		117,975	117,975	2,860,000
2036		117,975	117,975	2,860,000
2037		117,975	117,975	2,860,000
2038		117,975	117,975	2,860,000
2039		117,975	117,975	2,860,000
2040		117,975	117,975	2,860,000
2041	905,000	99,309	1,004,309	1,955,000
2042	950,000	61,050	1,011,050	1,005,000
2043	1,005,000	20,728	1,025,728	0
	<u>15,000,000</u>	<u>16,313,867</u>	<u>28,999,009</u>	

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

Fiscal Year	Principal	Interest	Total	Balance
				16,010,000
2015		597,721		16,010,000
2016	525,000	624,678	2,314,858	15,485,000
2017	545,000	605,234	1,150,234	14,940,000
2018	570,000	580,237	1,150,237	14,370,000
2019	600,000	552,006	1,152,006	13,770,000
2020	625,000	529,041	1,154,041	13,145,000
2021	645,000	507,247	1,152,247	12,500,000
2022	670,000	482,450	1,152,450	11,830,000
2023	700,000	454,069	1,154,069	11,130,000
2024	730,000	422,125	1,152,125	10,400,000
2025	765,000	388,616	1,153,616	9,635,000
2026	800,000	350,863	1,150,863	8,835,000
2027	840,000	311,288	1,151,288	7,995,000
2028	880,000	271,063	1,151,063	7,115,000
2029	915,000	236,816	1,151,816	6,200,000
2030	945,000	207,578	1,152,578	5,255,000
2031	975,000	176,184	1,151,184	4,280,000
2032	1,010,000	141,800	1,151,800	3,270,000
2033	1,050,000	104,116	1,154,116	2,220,000
2034	1,090,000	63,656	1,153,656	1,130,000
2035	1,130,000	21,475	1,151,475	0
	<u>16,010,000</u>	<u>7,030,542</u>	<u>24,205,722</u>	

Utilities Fund Bond Debt

Stafford County FY16 Adopted Budget

Virginia Resources Authority - 2015

Fiscal Year	Principal	Interest	Total	Balance
				8,620,000
2016		168,467		8,620,000
2017	270,000	367,856	637,856	8,350,000
2018	280,000	356,463	636,463	8,070,000
2019	295,000	341,728	636,728	7,775,000
2020	310,000	326,225	636,225	7,465,000
2021	325,000	312,153	637,153	7,140,000
2022	340,000	297,313	637,313	6,800,000
2023	355,000	279,503	634,503	6,445,000
2024	375,000	260,797	635,797	6,070,000
2025	395,000	241,066	636,066	5,675,000
2026	415,000	221,709	636,709	5,260,000
2027	435,000	202,678	637,678	4,825,000
2028	455,000	182,672	637,672	4,370,000
2029	475,000	161,791	636,791	3,895,000
2030	495,000	143,384	638,384	3,400,000
2031	510,000	127,681	637,681	2,890,000
2032	530,000	107,831	637,831	2,360,000
2033	555,000	83,416	638,416	1,805,000
2034	580,000	59,613	639,613	1,225,000
2035	600,000	36,563	636,563	625,000
2036	625,000	12,391	637,391	0
	<u>8,620,000</u>	<u>4,291,299</u>	<u>12,742,831</u>	

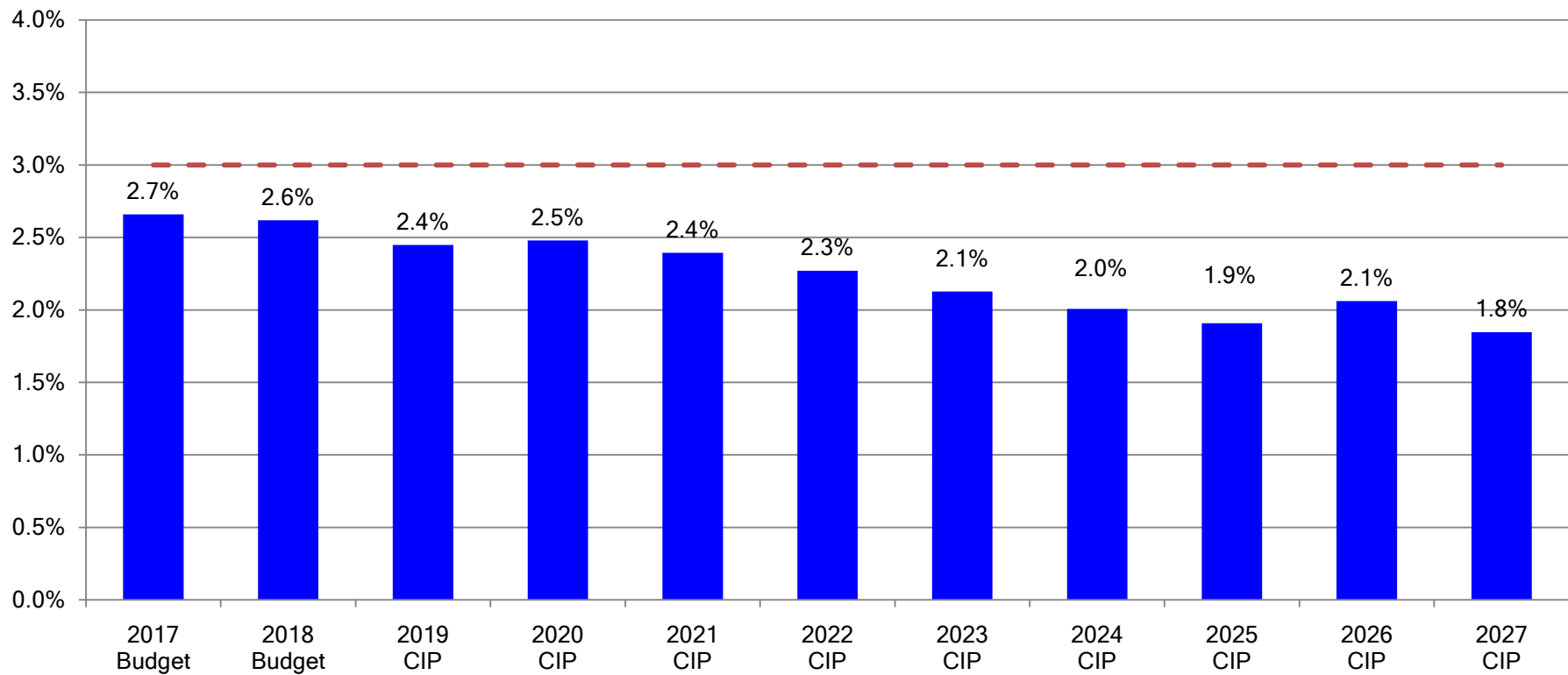
Virginia Resources Authority - 2016

Fiscal Year	Principal	Interest	Total	Balance
				41,140,000
2017		826,134		41,140,000
2018	95,000	1,801,466	2,314,858	41,045,000
2019	95,000	1,798,322	1,893,322	40,950,000
2020	100,000	1,793,775	1,893,775	40,850,000
2021	105,000	1,789,022	1,894,022	40,745,000
2022	110,000	1,783,863	1,893,863	40,635,000
2023	115,000	1,778,097	1,893,097	40,520,000
2024	1,415,000	1,738,891	3,153,891	39,105,000
2025	1,495,000	1,664,322	3,159,322	37,610,000
2026	1,570,000	1,585,781	3,155,781	36,040,000
2027	1,195,000	1,514,928	2,709,928	34,845,000
2028	1,255,000	1,452,147	2,707,147	33,590,000
2029	1,310,000	1,386,419	2,696,419	32,280,000
2030	1,895,000	1,305,941	3,200,941	30,385,000
2031	1,995,000	1,207,909	3,202,909	28,390,000
2032	2,100,000	1,103,225	3,203,225	26,290,000
2033	2,195,000	1,004,391	3,199,391	24,095,000
2034	1,650,000	925,088	2,575,088	22,445,000
2035	2,385,000	841,866	3,226,866	20,060,000
2036	2,490,000	741,319	3,231,319	17,570,000
2037	2,590,000	636,544	3,226,544	14,980,000
2038	2,695,000	530,859	3,225,859	12,285,000
2039	2,800,000	431,344	3,231,344	9,485,000
2040	2,900,000	327,863	3,227,863	6,585,000
2041	2,115,000	228,009	2,343,009	4,470,000
2042	2,195,000	139,116	2,334,116	2,275,000
2043	<u>2,275,000</u>	<u>46,922</u>	<u>2,321,922</u>	0
	<u>41,140,000</u>	<u>30,383,559</u>	<u>71,115,817</u>	

Debt As A Percentage Of Assessed Value

Stafford County FY18 Adopted Budget

The County's financial policy "Principles of High Performance Financial Management" state that general obligation debt shall not exceed 3.0% of the assessed valuation of taxable real property. Below is a graph illustrating the County's compliance with the policy.



Debt Service As A Percentage Of General Government Budget

Stafford County FY18 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%. Below is a graph presenting the County's compliance with the policy.

