Capital Improvement Plan

Introduction

The Capital Improvement Plan (CIP) is a planning tool for development, modernization and/or replacement of County infrastructure, ensuring the County is able to maintain an effective level of services for citizens now and into the future. Each year the CIP is reviewed, priorities are reassessed, and the affordability of capital projects is gauged. The costs of the projects in the first year of the CIP become the budgets for the Capital Projects Fund, School Capital Projects Fund and Utilities Capital Projects Fund in the Financial Summaries section of this document. The remaining years of the CIP provide an estimated cost of the proposed projects and reflect their anticipated funding sources. The CIP is not an absolute; it may need to be revised and changed according to conditions and requirements of the community.

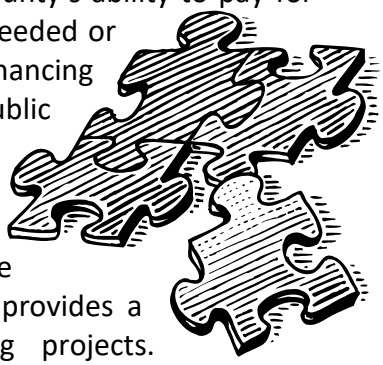
As Spotsylvania County maintains its facilities and other capital resources, we will continue to face additional capital needs along with increasing operational costs. Funding for capital projects may come from operating revenues or, as is often the case, from the sale of bonds or through other financing mechanisms. The County's fiscal policies require that all new facility construction projects or acquisitions that exceed available budgeted funds be subject to voter referendum approval, unless financed through a revenue supported mechanism.

Benefits of a Capital Improvement Plan

A long term CIP has many obvious benefits that are derived from a systematic approach of planning and financing of public projects. Some of the more important benefits derived from this process include the following:

- **Assist in the Implementation of the Comprehensive Plan -** A primary function of the CIP is to serve as a mechanism for implementation of the Comprehensive Plan. By outlining the facilities needed to serve the population and land uses called for in the Comprehensive Plan and by scheduling them over a period of time, the CIP guides the public construction program for the development of our County.

- **Focus Attention on Community Goals and Needs –** Capital projects can be brought into line with community objectives, anticipated growth and the County's ability to pay for such projects. By planning ahead for those projects that are needed or desired the most, we can begin planning ahead for the financing associated with them as well. The CIP also keeps the public informed of the County's future capital investment plans and provides a process for adopting construction priorities.



- **Encourages More Efficient Government Administration –** The CIP promotes coordination among government agencies and provides a check for potential overlapping, duplicated or conflicting projects.

Coordination of the CIP by County agencies can reduce scheduling problems and provide effective utilization of available personnel and equipment. The plan also guides the Board of Supervisors in making sound annual budget decisions consistent with adopted fiscal policies.

- **Fosters a Sound and Stable Financial Program –** Through the CIP, required bond issues or the need for other financing mechanisms can be foreseen and action taken before the need becomes so critical as to require more expensive financing measures and/or difficult borrowing/loan situations. In addition, sharp changes in the tax rate will be avoided and intergenerational equity will be promoted by staggering projects and paying the related debt over a period of time less than or equal to the useful life of the projects.

Operating Expenditure versus Capital Expenditures

Cost, life expectancy, and frequency of expenditures are the primary criteria used to classify a project as an operating expenditure or a capital expenditure.

- **Cost –** Generally, a project is considered capital if the cost is $50,000 or more.

- **Life Expectancy –** Capital projects have expected useful lifecycles of five years of more.

- **Frequency –** A capital project should be nonrecurring. The Government Finance Officers' Association recommends that a capital project should occur no more often than every three years.

Examples are provided in the table below to clarify which project types meet the definition of a capital improvement project versus which are considered a maintenance project or operating expenditure. Please note, this list is for demonstration purposes only and is not meant to be exhaustive.

Category	Considered a Capital Improvement Project	Considered an Operating Expenditure
General Govt. Facilities & Equipment	• New buildings and major renovations • New/replacement vehicles • Major maintenance as part of Facility Asset Management Program	• Minor building repair and maintenance like replacement of light fixtures/changing of air filters • Preventative maintenance on vehicles
Information Technology	• Major new systems with high degree of customization • Large-scale upgrades such as those for enterprise systems • Ongoing replacement programs for computers and servers	• Lease of office copiers • Recurring annual software license fees and maintenance fees • Computer needed for new position
Parks & Recreation	• Development of new parks and community centers • Major upgrades of existing facilities such as new baseball field lighting	• Minor repairs to park equipment • Replacement of sports equipment • Ongoing maintenance of park facilities including mowing

Category	Considered a Capital Improvement Project	Considered an Operating Expenditure
Fire/Rescue	• Construction of new fire stations • Ongoing replacement programs for Fire/Rescue equipment including trucks and ambulances	• Building and grounds maintenance of training facilities • Certification and routine maintenance of existing Fire/Rescue equipment
Transportation	• New streets and roadways • Upgrades or reworking of exits and intersections	• Litter control personnel • FRED bus service operating contributions • County's annual share of VRE operating expenses

Financing Methods

A range of financing methods exists. Some methods commonly used by the County are:

- **Current Revenue Financing –** Current revenue financing is often referred to as "pay as you go" financing. It is a fiscally conservative method of paying for capital improvements out of current taxes, fees, charges or special assessments. The County's adopted Fiscal Policy Guidelines address this approach by transferring an annual percentage of General Fund Revenues to the Capital Projects Fund. The guidelines establish a goal of 5% annually (with a minimum level of 3%). In an effort to achieve this goal, the Recommended Budget includes a FY 2020 transfer of 4.00% of General Fund Revenues. Future annual transfers will increase by an additional one-quarter percent annually until the goal is met. In addition to the policy-required transfer, the Recommended Budget includes a one-time transfer of $5.0 million from the General Fund balance to pay for capital projects

- **Reserve Funds –** Reserve funds are a variation of "pay as you go" financing. Funds are accumulated in advance for the purchase or construction of capital items. Reserve funds may come from a number of sources such as unexpected surplus in the general fund, money specifically earmarked for future capital needs, or the selling of capital assets.

- **General Obligation Bonds –** These long-term bonds are backed by the full faith and credit of our local government. Principal and interest is paid from the General Fund using annually budgeted current revenues. General Obligation bonds are issued for specific capital improvements, which have useful life expectancies similar in length to the repayment schedule of the bonds issued for the projects. General Obligation bonds may be issued only after voters have approved such issuance through a referendum.

- **Revenue Bonds** (i.e. lease revenue) **–** This type of bond is issued to pay for revenue producing project facilities such as convention centers, parking decks, golf courses, parking facilities and utilities. Revenue bonds are a form of user charges because the

debt is paid from revenues of the particular enterprise (i.e. parking fees, water/sewer user fees, etc.) rather than from regular taxation.

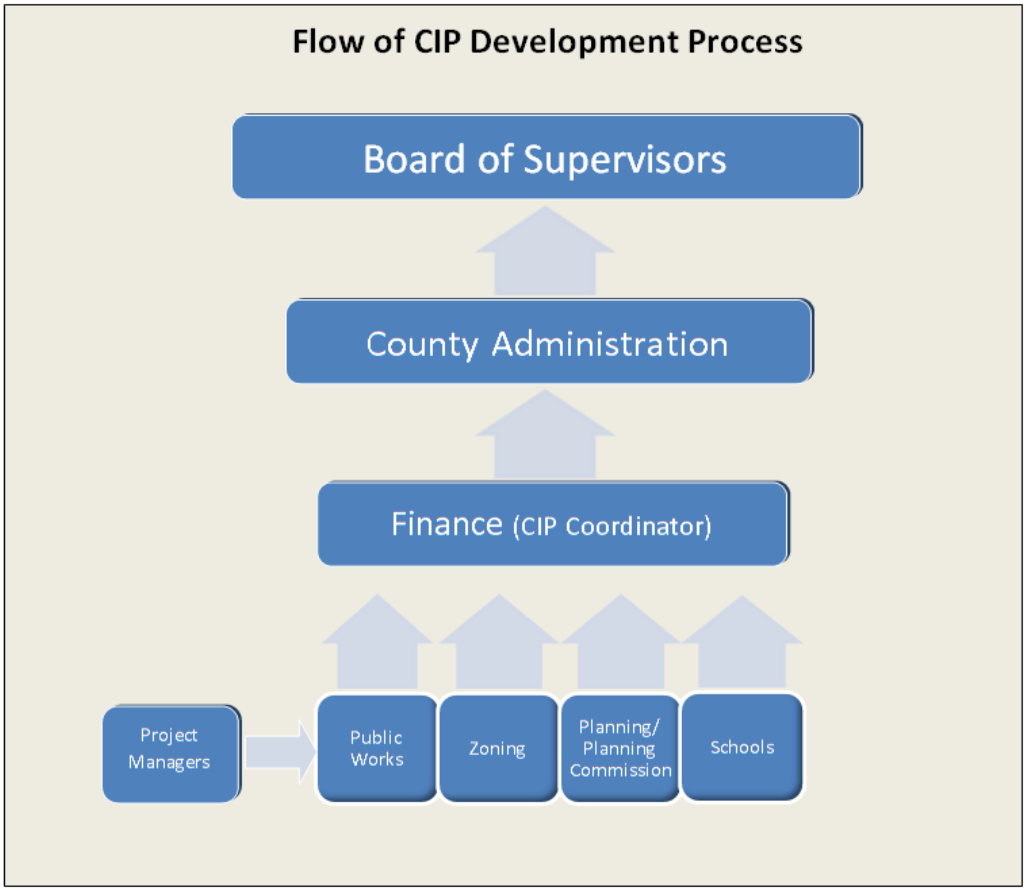
- **Special Assessments –** This method of financing is commonly applied to public works improvements that provide benefits to specific property owners but may not to others. For example, street, drainage or utility projects which benefit a particular area.

- **State and Federal Aid –** Typically, State and Federal funds apply primarily to transportation capital projects.

- **Other –** Other financing methods used include the joint financing between the County and other localities, interest earnings on previously issued bonds, donations and concession revenues, and transfers from other funds.

CIP Development Process

As shown below, the CIP is a collaborative process among a number of departments within the County.



Initially, the respective project manager submits a project request form and a project evaluation criteria form for each proposed project. Construction requests are reviewed by Public Works staff and non-construction projects are reviewed by Finance staff. Construction projects are then submitted to the Planning Department for review and discussion with the Planning Commission to ensure all projects are in compliance with the County's Comprehensive Plan. The Finance Department serves as the coordinator of the CIP development process and works with County Administration to review, critique, and place each project in the appropriate year within the recommended CIP, ensuring that the CIP is affordable within the County's adopted fiscal policies. The CIP is recommended to the Board of Supervisors along with the annual Adopted Budget. Following the presentation of the Recommended Budget and CIP, the Board holds work sessions in March and April to discuss the Recommended CIP. A public hearing is held in March or April and the CIP is typically approved in April.

FY 2020 – FY 2024 CIP Development Calendar

August 16, 2018	Project managers submit project requests/revisions to Finance Department
September 2018	CIP Working Group review/discussion of projects
October 9, 2018	CIP work session – initial presentation of CIP concepts for Board comments
Early November	CIP review meetings with 2 Board members at a time
November 26, 2018	Schools submit Schools' Draft CIP to Finance
Early December 2018	County Administrator makes final decisions on projects to include in Recommended CIP
By December 7, 2018	Finance ensures debt service and operating costs for FY 2020 projects are included in Recommended Budget
February 2019	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
February 12, 2019	Schools submit Schools' Approved CIP to Finance
February 12, 2019	Presentation of County Administrator's FY 2020 Recommended Budget and FY 2020 – FY 2024 CIP to Board of Supervisors
March 26, 2019	Budget, Tax Rate, and CIP public hearings – Massaponax High School
April 9, 2019	Board's final approval of draft FY 2020 – FY 2024 CIP
April 11, 2019	Adoption of FY 2020 Budget and 2019 Tax Rates

Financial Analysis

The financial condition and debt capacity of the County is a primary consideration when developing the CIP. Credit ratings reflect a locality's financial condition, management expertise, and proven ability to implement strategies that maintain long-term credit strength. As such, balancing project needs with projections of available resources to pay for those needs is paramount. Although there is no legal limit in Virginia on the level of general obligation debt issued by counties, Spotsylvania's financial policies include the following debt guidelines:

- Net debt as a percentage of estimated market value taxable should not exceed 3%.

- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 12%. The County will work towards reducing this ratio to not more than 10% by the end of FY 2025.

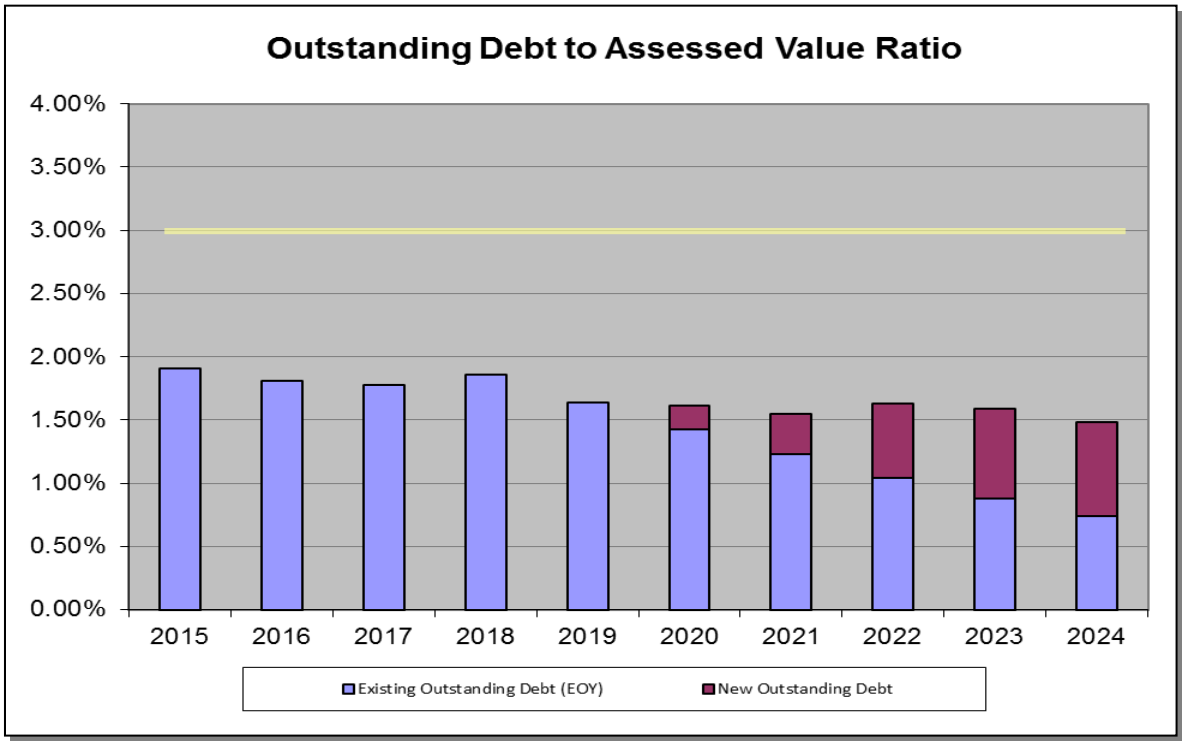
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 65% at the end of each adopted CIP.

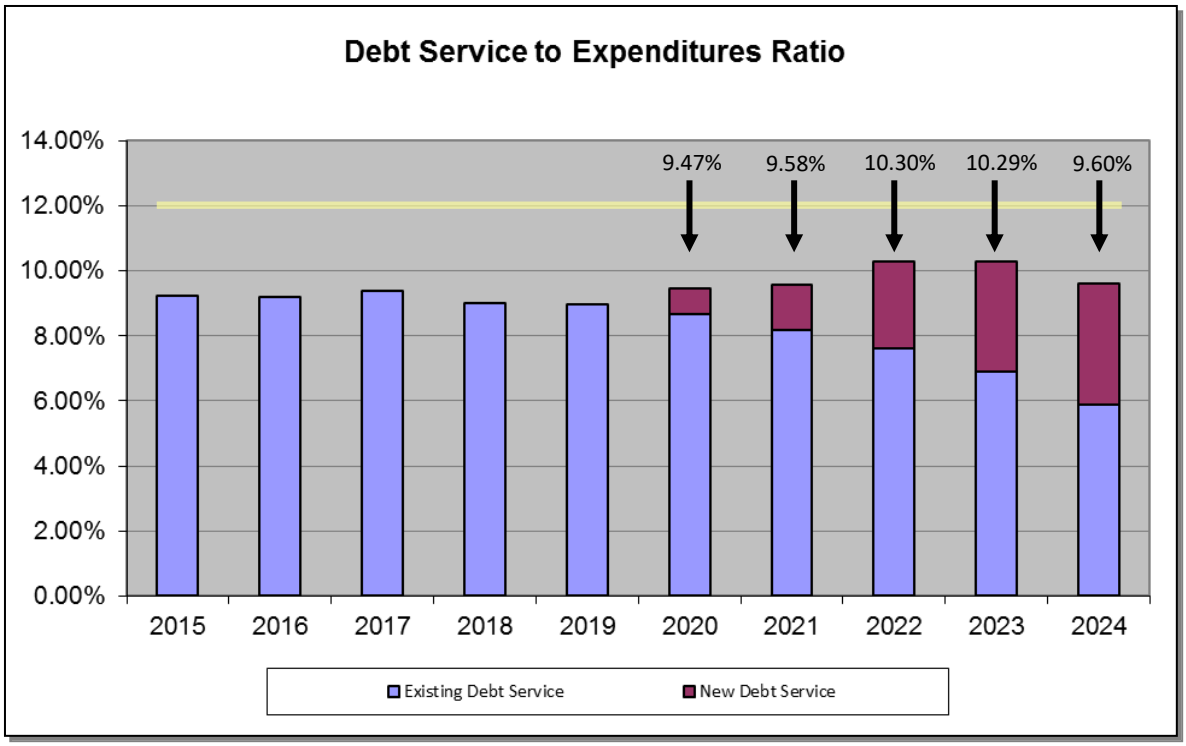
As staff prepared the CIP financial analysis to assess the ratios noted above, the following ***assumptions*** were in place for budget purposes. The actual terms for which bonds are issued will be fine-tuned to more accurately align with the useful lives of projects ahead of the Summer bond issuance.

CIP Assumptions:

- Bonds are sold on an annual basis.
- The structure of all bond sales is level principal.
- Long-term bonds are structured with 20-year terms.
- Short-term bonds are structured with 12-year terms for buses and fire apparatus and with 7-year terms for rescue apparatus and technology items.
- The growth rates for revenues and expenditures are consistent with those reflected in the Budget Plus Five financial model (i.e. the five year forecast), and assume an equalized real estate tax rate each year.
- The interest rate paid on borrowed funds is fixed at 4.00%/2.80%/3.45% for 7/12/20 year bonds for the Summer 2019 issuance and is fixed at 5.00%/3.80%/4.45% for each 7/12/20 year issuance thereafter.

The graphs below indicate that the revised FY 2020 – FY 2024 Recommended CIP is in compliance with the Board's adopted fiscal policy guidelines. The yellow horizontal lines represent the limit of the fiscal policies for each debt ratio.





The payout ratio is an assessment of the speed at which the County repays its debt. For example, at the beginning of FY 2020, including the financings to be issued in Summer 2019, total general debt outstanding is estimated at $308.1 million. At the end of FY 2029 – ten fiscal years beyond FY 2020 – the County will have repaid $247.9 million (80.45%) of the debt outstanding at the beginning of FY 2020.

10-Yr Payout Ratio (must be > 65%)	
FY	**Payout Ratio**
FY 2020	80.45%
FY 2021	81.09%
FY 2022	78.61%
FY 2023	77.69%
FY 2024	78.03%

Also related to the CIP is a fiscal policy which states the County's goal of budgeting pay-as-you-go funding for capital projects is equal to 5% of General Fund revenues (excluding obligated transfers), with a minimum of 3%. Beginning in FY 2008, the County established the transfer from the General Fund to the Capital Projects Fund at 1%, with an additional 0.25% to be added each year thereafter. In FY 2020, the transfer is budgeted at $11.0 million, or 4.00% of General Fund revenues. Additionally, $5.0 million is transferred from the General Fund balance to the Capital Projects Fund to cash fund additional capital projects.

Cost Estimate Methodology for Capital Project Operating Expenditures

Capital projects often have an ongoing impact on operational expenditures once the project is complete. Aside from debt service, typical operating impacts include the cost of utilities, maintenance, insurance, fuel, and personnel. For this reason, the County utilizes the cost and inflationary factors listed here to estimate the operating impact of capital projects over the five year CIP window:

Estimated Cost Factors	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024
Electricity Per Square Foot	$1.37	$1.42	$1.48	$1.53	$1.59
Heating Fuel Per Square Foot	0.01	0.01	0.01	0.01	0.01
W/S Per Square Foot	0.05	0.05	0.06	0.06	0.06
Telephone Per Square Foot	0.09	0.09	0.10	0.10	0.10
Insurance Per Square Foot	0.04	0.04	0.04	0.04	0.04
Ongoing Maintenance Per Square Foot	3.58	3.69	3.80	3.91	4.03

Estimated Inflationary Factors	Annual Rate	Basis for Assumptions
Electricity	3.9%	Historical Spending/EIA Reports*
Heating Fuel	3.4%	Historical Spending/EIA Reports*
Water & Sewer	6.0%	Water & Sewer Rates Model
Telephone	3.0%	Historical Spending
Insurance	3.0%	Finance Dept./VACo Projections
Maintenance	3.0%	Historical Spending
Other	2.6%	Consumer Price Index (CPI)
Salary Inflation	2.0%	Assumed compensation adjustments

*EIA stands for Energy Information Administration

Operating Impact

The table below shows the anticipated budgetary impacts that implementation of projects in the FY 2020 – FY 2024 CIP may have in the near future. The operating impacts occurring in FY 2020 are included in the Recommended Budget.

Projects/Type	FY 2021	FY 2022	FY 2023	FY 2024
General Government Projects				
Debt Service	$251,763	$345,837	$737,411	$1,018,985
Utilities/Maintenance/Insurance/Fuel	418,415	851,313	1,029,145	1,042,893
Parks & Recreation Projects				
Utilities/Maintenance/Insurance/Fuel	11,566	12,144	12,752	13,389
Fire & Rescue Projects				
Debt Service	355,600	1,160,372	1,831,712	2,124,209
Personnel (new station)	0	0	0	1,240,000
Utilities/Maintenance/Insurance/Fuel	26,552	27,422	113,283	257,397
Transportation Projects				
Debt Service	568,180	1,647,054	2,271,751	2,566,388
School Projects				
Debt Service	5,298,866	9,394,025	11,524,978	12,805,558
Total				
Debt Service	6,474,409	12,547,288	16,365,852	18,515,140
Personnel	0	0	0	1,240,000
Utilities/Maintenance/Insurance/Fuel	456,533	890,879	1,155,180	1,313,679
Total	**$6,930,942**	**$13,438,167**	**$17,521,032**	**$21,068,819**

The following table shows the potential impact that implementation of the FY 2020 – FY 2024 CIP could have on the tax rate. This table reflects all General Government, Transportation and Schools capital projects within the five-year planning period. The analysis assumes the 2018 real estate tax rate of $0.8330 per $100 of assessed value remains in place for 2019 and is equalized in the out-years, as well. The "Additional D.S. Budget Needed" column represents the net new debt service that is over and above the debt service budgeted in FY 2020, and unlike the debt service shown in the previous table, takes into account the pay down of existing debt. The "Incremental Tax Rate Impact" shows the tax rate increase necessary each year to fund the Recommended CIP *beyond what is included in the FY 2020 Budget*.

FY 2020 – FY 2024 CIP's Potential Impact on Tax Rate

		Debt Service Impact			Operational Impact			Total Estimated Impact	
FY	Value of $0.01	Add'l D.S Budget Needed	Estimated Tax Rate Impact	Incremental Tax Rate Impact	Add'l Operational Budget Needed	Estimated Tax Rate Impact	Incremental Tax Rate Impact	Estimated Tax Rate Impact	Incremental Tax Rate Impact
2020	$1,528,413	$0	$0.000	$0.000	$0	$0.000	$0.000	$0.000	$0.000
2021	1,574,265	1,487,876	0.009	0.009	456,533	0.003	0.003	0.012	0.012
2022	1,621,493	6,035,059	0.037	0.028	890,879	0.005	0.003	0.043	0.030
2023	1,670,138	7,289,229	0.044	0.006	1,155,180	0.007	0.001	0.051	0.008
2024	1,720,242	5,155,775	0.030	-0.014	2,553,679	0.015	0.008	0.045	-0.006
				$0.030*			**$0.015***		**$0.045***

*May appear to add incorrectly due to rounding

Given the projected CIP expenditures for the next five years, revenues will need to increase by the equivalent of 4.5 cents on the real property tax rate by FY 2024 to pay the costs of added debt service and operating costs. Over the five year period, 67% of the added costs are associated with debt service while the remaining 33% is associated with on-going operating costs related to the projects with the most significant operating costs being the 18 new positions that will be necessary to operate a new fire/rescue station (Co. 12). Debt service and annual operating costs related to the CIP have been factored into the five-year financial forecast which begins on page 141. Additionally, estimated annual operating costs including the debt service associated with each project are displayed in the project summary section beginning on page 170.

FY 2020 Capital Projects –

The capital projects budgets for FY 2020 total $57.7 million and include the County's Capital Projects Fund, the Utilities Capital Projects Fund, and the Schools' Capital Projects Fund. It is anticipated that bonds will be issued in Summer 2019 to fund certain County and Schools capital projects for FY 2020. Due to the close proximity of time between budget approval and the start of school capital projects, the debt proceeds and project expenditures are included in the budget for the Schools' Capital Projects Fund. However, neither debt proceeds nor project expenditures associated with the financings for County capital projects are included in the FY 2020 Recommended Budget. Upon finalizing the financing of the FY 2020 projects, staff will request that the Board amend the budget to include revenues and expenditures associated with the financed projects. Debt service expenditures associated with the planned financing are included in the FY 2020 General Fund, Transportation Fund and School Operating Fund budgets.

The following table lists the capital projects, transfers and capital projects related staffing costs adopted for FY 2020:

Project	Frequency*	FY 2020 Project Cost	FY 2020 Budget	To Be Financed
General Government Facilities:				
Judicial Center Renovation & Expansion	N	$4,719,000	$4,719,000	$ -
Holbert Building Major Maintenance	N	200,000	200,000	-
Replacement vehicles	R	1,490,870	1,490,870	-
Animal Shelter Renovation & Expansion	N	1,076,667	78,597	998,070
New General Government Facility	N	500,000	500,000	-
General Government Facilities Total		**$7,986,537**	**$6,988,467**	**$998,070**
Information Technology:				
Computer Aided Dispatch System Replacement	N	$1,000,000	$17,525	$982,475
Next Generation 911 (NG911)	N	1,200,000	1,200,000	-
In-Car Camera Replacement Program	R	256,667	256,667	-
Replacement Computers & Servers	R	802,310	802,310	-
Financial & HR System Upgrade	N	631,500	631,500	-
Cloud Strategy Implementation	N	250,000	250,000	-
Business Tax Software Update	N	100,000	100,000	-
State Income Tax Program Replacement	N	100,000	100,000	-
Security Camera Replacement Program	R	250,000	250,000	-
Information Technology Total		**$4,590,477**	**$3,608,002**	**$982,475**
Solid Waste:				
Convenience Center Paving	R	$50,000	$50,000	$ -
Refuse Disposal Equipment Replacement	R	615,000	615,000	-
Refuse Collection Equipment Replacement	R	630,000	630,000	-
Solid Waste Total		**$1,295,000**	**$1,295,000**	**$ -**
Parks & Recreation:				
Belmont Park	N	$500,000	$500,000	$ -
Parks & Recreation Total		**$500,000**	**$500,000**	**$ -**
Fire/Rescue:				
Company 6 Bunkroom Renovation & Expansion	N	$1,200,000	$ -	$1,200,000
Replacement Fire Equipment	R	2,200,000	2,200,000	-
Replacement EMS Equipment	R	1,087,500	1,087,500	-
CPR Delivery Devices	N	46,412	46,412	-
Fire/Rescue Total		**$4,533,912**	**$3,333,912**	**$1,200,000**
Transportation:				
Exit 126 – Rt. 17 Widening/Bridge	N	$3,400,000	$1,070,495	$2,329,505
Transportation Total		**$3,400,000**	**$1,070,495**	**$2,329,505**

Project	Frequency*	FY 2020 Project Cost	FY 2020 Budget	To Be Financed
Schools:				
Renovate & Expand Courtland High School	N	$10,290,000	$ -	$10,290,000
Transportation Buses	R	3,987,676	-	3,987,676
Capital Maintenance	R	11,485,500	-	11,485,500
Technology Replacements/Upgrades	R	3,141,520	-	3,141,520
Schools Total		**$28,904,696**	**$ -**	**$28,904,696**
Utilities:				
Telemetry/SCADA	N	$1,850,000	$536,743	$1,313,257
Manhole Rehabilitation Program	R	50,000	50,000	-
System Improvements with Developers	R	150,000	150,000	-
CMMS & Asset Management Upgrade	N	300,000	300,000	-
Water Meter Replacement Program	N	5,000,000	-	5,000,000
Maple Grove 2” Waterline	N	75,000	75,000	-
Calhoun/Kilarney Waterline Connection	N	120,000	120,000	-
12” AC Line Replacement	N	350,000	350,000	-
Thornburg Distribution Improvements	N	2,000,000	-	2,000,000
Motts Water Treatment Plant Expansion	N	2,000,000	491,257	1,508,743
Rt. 1 Waterline Imprv. – Cosner to Massaponax	N	500,000	500,000	-
Rt. 606 West - Waterline	N	500,000	500,000	-
Rt. 17 Waterline Betterment	N	50,000	50,000	-
Commonwealth Dr. Lot Waterline Betterment	N	50,000	50,000	-
Pump Station 24 Waterline	N	1,500,000	-	1,500,000
T’water Trl Waterline – Ruffins Pnd to New Post	N	125,000	125,000	-
Fawn Lake Tank & Booster Station	N	300,000	300,000	-
Collection System Extensions	R	50,000	50,000	-
Pump Station 24 Relocation	N	2,200,000	-	2,200,000
FMC Infrastructure Improvements	N	1,500,000	750,000	750,000
Fawn Lake Pump Stations 3 & 6	N	1,620,000	-	1,620,000
Thornburg WWTP Upgrade	N	3,000,000	-	3,000,000
Massasponax WWTP Expansion	N	6,100,000	3,172,000	2,928,000
Infiltration & Inflow Program	R	100,000	100,000	-
FMC Decommissioning/Indus. Pump Station	N	2,600,000	1,300,000	1,300,000
Deep Run Pump Station Rehabilitation	N	270,000	270,000	-
FMC to Massaponax WWTP Conveyance	N	1,500,000	750,000	750,000
Wishner Pump Station/Force Main	N	400,000	400,000	-
Grantwood Acres Interceptor	N	300,000	300,000	-
Thornburg Collection System Improvements	N	150,000	150,000	-
Gateway Business Park Pump Station	N	75,000	75,000	-
Rt. 606 West – Sewerline	N	200,000	200,000	-
Replacement Equipment – Field Services	R	300,000	300,000	-
Replacement Equipment – Composting	R	300,000	300,000	-
Utilities Total		**$35,585,000**	**$11,715,000**	**$23,870,000**

Project	Frequency*	FY 2020 Project Cost	FY 2020 Budget	To Be Financed
Other:				
Capital Projects Management (personnel & op.)		$283,894	$283,894	$ -
Transfer to General Fund		284,333	284,333	-
Transfer to Utilities Operating Fund		75,000	75,000	-
Transfer to Transportation Fund		173,596	173,596	-
Other Total**		**$816,823**	**$816,823**	**$ -**
Total FY 2020 Capital Projects Funds		**$87,612,445**	**$29,327,699**	**$58,284,746**
FY 2020 Capital Budget Including Schools' Financed Projects*				**$58,232,395**

***"**Frequency" refers to whether project is non-recurring (N) or routine (R) in nature. In this context, routine (recurring) expenditures are those that are included in almost every year's budget. Please note, this definition is meant to encompass general categories of work performed and assets acquired. It does not refer to the same exact equipment being replaced or the same exact maintenance being done every year.

****Items in "Other" category are excluded from the reports on pages 170 – 183.

***Differs from figures on pages 11 and 26 because all operating, personnel and transfers out are included here.

New Non-Recurring Capital Projects

Twenty-one new non-recurring projects are included in the FY 2020 - FY 2024 CIP for the first time, the capital and operating costs of which are listed in the table below. Note that the operating costs shown are for the period FY 2020 – FY 2024 only. Additional information about these projects can be found later in the document on the referenced pages.

Non-Recurring Project Name	Estimated Expenditures FY 2020—FY 2024 Capital	Operating	Page in Budget
Capital Projects			
Replacement of Livingston Tower	$1,000,000	$ -	pg. 199
Time Management System Replacement	200,000	-	pg. 210
Belmont Park	500,000	49,851	pg. 217
Loriella Park Lighting Replacement – Phase II	304,000	-	pg. 219
Lee Hill Park Lighting Replacement	291,000	-	pg. 220
Aquatics Center	9,000,000	-	pg. 221
Field Complex	-	-	pg. 222
Partlow Community Center	-	-	pg. 223
Bring Spotsylvania Parkway in Area of Hospital and Bridge to State Standards	621,000	-	pg. 240
Schools Capital Projects			
Renovation & Expand Spotsylvania Middle School	28,00,000	TBD	pg. 243

Non-Recurring Project Name	Estimated Expenditures FY 2020—FY 2024 Capital	Operating	Page in Budget
Utilities Capital Projects			
Rt. 17 Waterline Betterment	$250,000	$ -	pg. 249
Commonwealth Dr. Parking Lot Waterline Betterment	250,000	-	pg. 249
Pump Station 24 Waterline	1,500,000	505,793	pg. 250
Tidewater Trail Waterline – Ruffins Pond to New Post	1,125,000	-	pg. 250
Fawn Lake Tank & Booster Station	2,200,000	-	pg. 250
Old Greenwich Sewer Replacement – Phase 5	800,000	-	pg. 252
FMC to Massaponax WWTP Conveyance	15,500,000	1,938,628	pg. 251
Wishner Pump Station/Force Main	650,000	-	pg. 252
Grantwood Acres Interceptor	300,000	-	pg. 252
Thornburg Collection System Improvements	150,000	-	pg. 252
Gateway Business Park Pump Station	75,000	-	pg. 253

Out-Year Impacts of Approved Developments

Although specific projects related to out-year growth are not yet shown in the CIP for categories other than Utilities, previously approved residential developments that have not yet been constructed or fully built out are expected to impact future years' budgets. A summary of the Planning Department's November 2018 analysis of future impacts on school capacity and Fire/Rescue call volumes follows. The analysis indicates:

- At full capacity of 2,500 calls per station identified in the Comprehensive Plan, Company 4 and Company 6 currently exceed call capacity. Company 11, which opened in September 2016, was expected to relieve call volume at Company 1 and Company 6. However, both Company 4 and Company 6 remain significantly over capacity as shown in the table on page 162.

- Upon full build-out of the potential new development, there will be County-wide capacity to respond to an additional 5,268 calls a year beyond projected demand. Individually, however, Companies 1, 4, 6, and 11 will exceed call capacity. The most significant of these, Companies 4 and 6, will exceed the 2,500 calls per station capacity by 2,473 calls, and 1,474 calls respectively. A planned new station, Company 12 - Massaponax, is anticipated to help provide relief to the overall fire and rescue system when built and operational.

- Currently, 23 of the 27 schools that are expected to be impacted by previously approved residential developments have student capacity available. Upon build-out of the developments, 12 of the schools are expected to be over capacity. County-wide, elementary schools will have capacity of 385 seats; middle schools will be short by 665 seats; and high schools will be short by 815 seats.

Approved Development Inputs:

Development	Units Approved but Unbuilt				Future Students / F/R Calls	Impacted Schools & F/R Stations			
	SFD	SFA	MF	AR		Elem.	Middle	High	F/R Station
Fawn Lake	474	0	0	0	271 / 198	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	44	0	0	0	25 / 18	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	0	0	0	132 / 96	Chancellor	Ni River	Riverbend	5
Saw Hill	31	0	0	0	18 / 13	Wilderness	Ni River	Riverbend	5
Estates at Buckingham	42	0	0	0	24 / 18	Berkeley	Post Oak	Spotsylvania	3
Whitehall	60	0	0	0	34 / 25	Brock Rd.	Ni River	Riverbend	7
Estates at Kingswood	20	0	0	0	12 / 8	Battlefield	Chancellor	Chancellor	4
Breckenridge Farms	39	0	0	0	22 / 16	Courthouse	Freedom	Courtland	1

Approved Development Inputs (continued):

Development	Units Approved but Unbuilt				Future Students / F/R Calls	Impacted Schools & F/R Stations			
	SFD	SFA	MF	AR		Elem.	Middle	High	F/R Station
Avalon Woods	98	0	0	0	56 / 41	Salem	Chancellor	Chancellor	6
Anna Vista Section 2	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	2
Pennington Estates	9	0	0	0	5/ 4	Courtland	Spotsylvania	Courtland	1
Pamunkey Point	18	0	0	0	10 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	344	0	0	133	197 / 171	Parkside	Spotsylvania	Massaponax	4
Sunrise Bay	33	0	0	0	19 / 14	Livingston	Post Oak	Spotsylvania	9
Regency at Chancellorsville	0	0	0	91	0 / 19	n/a	n/a	n/a	5
Glenhaven/ River Glen	25	0	0	0	14 / 10	Chancellor	Chancellor	Riverbend	5
Reserve at Chancellorsville	63	0	0	0	36 / 26	Chancellor	Chancellor	Riverbend	5
Mallard Landing	0	79	0	0	45 / 26	Cedar Forest	Thornburg	Massaponax	11
Summerfield	40	10	0	0	29 / 20	Spotswood	Battlefield	Chancellor	4
Keswick	150	90	236	184	272 / 178	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	0	164	773	0	227 / 212	Riverview	Spotsylvania	Massaponax	8
Lakeside	0	14	0	0	8 / 5	Spotswood	Battlefield	Massaponax	4
Brooks	0	2	0	0	1 / 1	Cedar Forest	Thornburg	Massaponax	11
Estates at Terry's Run	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	9
Spotsylvania Courthouse Vil.	292	165	755	50	411 / 341	R.E. Lee	Spotsylvania	Spotsylvania /Courtland	1
Crossroads Station	0	0	610	0	105 / 125	Cedar Forest	Thornburg	Massaponax	11
New Post	219	87	0	0	176 / 120	Cedar Forest	Thornburg	Massaponax	11
Fortune's Landing	40	0	0	0	22 / 17	Wilderness	Ni River	Spotsylvania	5
Barley Woods	0	0	0	107	0 / 22	n/a	n/a	n/a	6
Heritage Woods	697	180	183	0	534 / 387	Parkside	Spotsylvania	Courtland/ Massaponax	1, 4, 8
Courtland Park	81	0	0	0	47 / 34	Courtland	Spotsylvania	Courtland	1
Southpoint Landing	0	0	550	0	94 / 112	Parkside	Battlefield	Massaponax	4

Approved Development Inputs (continued):

Development	Units Approved but Unbuilt				Future Students / F/R Calls	Impacted Schools & F/R Stations			
	SFD	SFA	MF	AR		Elem.	Middle	High	F/R Station
Legends of Chancellorsville	218	0	0	0	124 / 91	Brock Rd./ Chancellor	Ni River	Riverbend	5
Wheatland	0	93	0	0	55 / 31	Lee Hill	Thornburg	Massaponax	11
Thorburn Estates	59	0	0	0	34 / 25	Wilderness	Freedom	Riverbend	10
Jackson Village	0	596	1,149	385	543 / 510	Parkside	Spotsylvania	Massaponax	4
Retreat at Chancellorsville	0	0	0	191	0 / 39	n/a	n/a	n/a	5
Alexander's Crossing	518	971	888	230	1,012 / 765	Riverview	Thornburg	Massaponax	11
Plantation Woods	132	0	0	0	75 / 55	Courtland	Spotsylvania	Massaponax	1
Goodwin Cove	35	0	0	0	20 / 15	Livingston	Post Oak	Spotsylvania	9
Cedar Forest	29	0	0	0	16 / 12	Cedar Forest	Thornburg	Massaponax	11
Summit Crossing Estates	70	0	0	0	40 / 29	Riverview	Thornburg	Massaponax	11
Barrington	39	0	0	0	22 / 16	Chancellor	Chancellor	Riverbend	5
Afton	29	0	0	0	16 / 12	Spotswood	Battlefield	Massaponax	4
Roseland	0	14	0	0	8 / 5	Spotswood	Battlefield	Massaponax	4
Ashleigh Ridge	19	0	0	0	10 / 8	Wilderness	Freedom	Riverbend	5
The Villas at Salem Church	0	0	0	45	0 / 9	n/a	n/a	n/a	6
Palmer's Creek	0	0	400	0	68 / 82	Parkside	Spotsylvania	Massaponax	8
Total	**13,643**				**4,901/3,997**				

SFD = Single Family Detached SFA = Single Family Attached MF = Multi-Family (apartments) AR = Age Restricted Units
*Units Approved but Unbuilt figures updated through December 2017.

Approved Development – School Impacts:

School	Capacity	October 2018 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	655	5	660	173
Berkeley	353	295	11	306	47
Brock Road	907	665	166	831	76
Cedar Forest	936	740	160	900	36
Chancellor	455	463	132	595	-140
Courthouse Road	907	812	10	822	85
Courtland	789	535	57	592	197
Lee Hill	807	662	29	691	116
Livingston	504	408	27	435	69
Parkside	936	867	673	1,540	-604
Riverview	907	624	621	1,245	-338
Robert E. Lee	585	508	316	824	-239
Salem	815	645	25	670	145
Spotswood	641	568	29	597	44
Wilderness	936	677	38	715	221
Subtotal	**11,311**	**9,124**	**2,299**	**11,423**	**-112**
Countywide Elementary	**13,233**	**10,549**	**2,299**	**12,848**	**385**

Middle					
Battlefield	807	837	40	877	-70
Chancellor	857	835	32	867	-10
Freedom	948	815	15	830	118
Ni River	774	707	144	851	-77
Post Oak	948	688	19	707	241
Spotsylvania	907	934	562	1,496	-589
Thornburg	790	730	338	1,068	-278
Subtotal	**6,031**	**5,546**	**1,150**	**6,696**	**-665**
Countywide Middle	**6,031**	**5,546**	**1,150**	**6,696**	**-665**

High					
Chancellor	1,427	1,288	30	1,318	109
Courtland	1,265	1,176	173	1,349	-84
Massaponax	1,830	2,017	844	2,861	-1,031
Riverbend	1,995	1,919	231	2,150	-155
Spotsylvania	1,611	1,143	176	1,319	292
Subtotal	**8,128**	**7,543**	**1,454**	**8,997**	**-869**
Countywide High	**8,218**	**7,579**	**1,454**	**9,033**	**-815**

Approved Development – Fire/Rescue Impacts:

Station	Capacity	2018 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1 - Courthouse	2,500	1,847	757	2,604	-104
2 - Brokenburg	2,500	826	4	830	1,670
3 – Partlow	2,500	565	18	583	1,917
4 – Four Mile Fork	2,500	4,001	972	4,973	-2,473
5 – Chancellor	2,500	1,256	353	1,609	891
6 – Salem Church	2,500	3,902	72	3,974	-1,474
7 – Wilderness	2,500	945	223	1,168	1,332
8 – Thornburg	2,500	1,195	423	1,618	882
9 – Belmont	2,500	534	40	574	1,926
10 – Salem Fields	2,500	1,425	25	1,450	1,050
11 – Lee Hill	2,500	1,741	1,108	2,849	-349
Subtotal	**27,500**	**18,237**	**3,995**	**22,232**	**5,268**
Countywide F/R*	**27,500**	**18,237**	**3,995**	**22,232**	**5,268**

*Source of Fire/Rescue call volume data is Spotsylvania County Planning Department. Call volumes are allocated between stations based on assigned response zones.

The analysis of school capacity shows that there will be a shortage of capacity countywide at the middle and high schools if these projections become reality. The construction of new schools or additions will have a significant impact in operating costs in future budgets, both in terms of debt service, staff to fill the schools, and facility operations and maintenance.

Costs for Future Project Planning

As evidenced by the approved development tables in the preceding section, additional public facilities and services will be needed in the future to serve an increased population upon build-out of approved development. For planning purposes, the following estimating methodology should be used for typical parks, fire/rescue stations, and schools needed in the future beyond the five-year scope of this CIP. Cost estimates reflect current dollars, but an annual escalation factor is provided to assist in determining out-year costs which, of course, will depend upon the assumed timing of the project. Note that the costs below include neither the costs to equip the facilities nor the costs to staff the facilities.

Park	We can consider the planned Ni River Park as a "typical" park. The park, as budgeted in the CIP, includes 2 rectangular fields, 1 baseball/softball diamond, a multipurpose field with 2 diamonds on each end and a center area that could be used as a rectangular field, trails, 1 restroom building, and parking areas.		
	Project Component	**Cost Estimate**	**Notes**
	Land Acquisition:	$1,000,000*	65 acres
	Design:	$350,000	
	Construction:	$2,750,000	
	Contingency (10%):	$275,000	
	Total Current Cost	**$4,375,000**	
	Escalation factor	3%	Engineering News-Record's Construction Cost Index

*In the case of the Ni River Park project itself, the land already is owned by the County, so there is no land acquisition costs included in the CIP.

Fire/Rescue Station	A typical fire/rescue station would be a 13,000 to 15,000 sq. ft. single story, masonry construction with metal roof, 3-4 bay station. 3 bunkrooms would be available to house up to 20 staff. The station would also include a laundry room; restrooms; showers; locker rooms; integrated call alerting system; passive vehicle exhaust system; control room for base radio and shared work space; office; medical storage; fitness room; dayroom/kitchen; training room for up to 24 people; support spaces to include repair shop, mechanical/electrical room; decontamination area with commercial laundry equipment; turn-out gear storage; and SCBA storage room. The facility would be equipped with a 250 Kw, full load emergency standby power system.		
	Project Component	**Cost Estimate**	**Notes**
	Land Acquisition:	$175,000	5 acres
	Design:	$500,000	Includes inspection fees
	Construction:	$4,545,000	Includes sitework
	Contingency (10%):	$455,000	
	Total Current Cost	**$5,675,000**	
	Escalation factor	3%	Engineering News-Record's Construction Cost Index

Elementary School	A typical elementary school would be a one to two-story masonry structure with 38 regular classrooms, 5 special education classrooms, and 5 resource rooms. The building would encompass 90,448 sq. ft. to include an 8,500 sq. ft. multipurpose room. At 100% capacity, the facility would house between 800 and 825 students.		
	Project Component	**Cost Estimate**	**Notes**
	Site:	$3,244,800	20 acres
	Soft Costs:	$4,541,639	
	Building Construction:	$20,544,992	
	Total Current Cost	**$28,331,431**	
	Escalation factor	4%	BCWH Architects

Middle School	A typical middle school would be a one to two-story masonry structure encompassing 128,800 sq. ft. to include an auxiliary gym and school forum space.		
	Project Component	**Cost Estimate**	**Notes**
	Site:	$4,867,200	45 acres
	Soft Costs:	$6,545,844	
	Building Construction:	$27,862,016	
	Total Current Cost	**$39,275,060**	
	Escalation factor	4%	BCWH Architects

High School	A typical high school would be a one to two-story masonry structure encompassing 318,800 sq. ft. including an auxiliary gym, auditorium, and ancillary athletic fields and facilities.		
	Project Component	**Cost Estimate**	**Notes**
	Site:	$8,652,800	80 acres
	Soft Costs:	$13,952,640	
	Building Construction:	$77,583,168	
	Athletic Stadium:	$6,489,600	
	Total Current Cost	**$106,678,208**	
	Escalation factor	4%	BCWH Architects

Available Proffers & Use in FY 2020

State Code §15.2-2303.2 requires localities to include the amount of all proffered cash payments received during the most recent fiscal year for which a proffer report has been submitted to the State and show the amount of such payments projected to be used for expenditures in the ensuing year. Following is a listing of the cash proffers the County received as of June 30, 2017; the proffers received and spent during FY 2018; and the proffers budgeted in FY 2019 and FY 2020.

Proffer Category	6/30/2017 Balance	Received FY 2018	Spent FY 2018	Budgeted Use FY 2019	Budgeted Use FY 2020
Fire/Rescue	$34,303	$656	$ -	$31,464	$ -
Library	18,060	728	-	-	-
Recreation	92,984	1,132	14,025	5,152	12,295
Schools	338,629	27,217	-	-	-
Transportation	1,373,351	3,907	903,839	229,279	-
Gov't Facilities	39,225	975	-	24,442	6,818
Law Enforcement	33,163	816	-	-	-
Solid Waste	4,009	131	-	-	-
Planning Studies	16,600	-	-	-	-
PDR Program	632,633	-	-	-	-
Magnolia Harbor	7,176	2,169	-	-	11,513
Pamunkey Point	58,968	19,656	-	-	78,624
Fawn Lake Tower	-	20,000	20,000	-	-
Lafayette Crossing	37,168	-	-	37,168	-
Lakeside	814,266	195,823	252,782	326	757,308
Mallard Landing	405,025	165,221	164,227	69,097	405,661
Summerfield	984,979	545,568	19,866	1,510,680	83,824
Fortunes Landing	10,410	6,298	-	-	-
Jackson Village	-	55,443	-	-	203,694
Villas at Harrison	-	94,919	-	-	-
Wheatland Townes	-	600,000	-	-	600,000
Total	**$4,900,949**	**$1,740,659**	**$1,374,739**	**$1,907,608**	**$2,159,737**

Capital Projects Staffing

FTEs (full-time equivalents) reflect full-time and regular part-time positions; excludes seasonal and temporary part-time.

Department/Position	FY 2018 Revised	FY 2019 Adopted	FY 2019 Revised	FY 2020 Recommended
Capital Projects Management				
Engineer II	1	1	1	1
Project Manager II	1	1	1	1
TOTAL FTEs	**2**	**2**	**2**	**2**
TOTAL FTEs Capital Projects	**2**	**2**	**2**	**2**

FY 2020 – FY 2024 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2020 – FY 2024 CIP. The spreadsheets on pages 170 – 183 show the anticipated funding by fiscal year for each project. Funding sources are identified on pages 170 – 183 by the following codes:

Code	Description
B	Revenue Bonds - Utilities
B-PS	2014 Referendum – Public Safety
B-S	2014 Referendum – Schools
B-T	2014 Referendum - Transportation
C	Cash
CR	Concession revenues
D	Donations
FR - L	Future bond referendum - library
FR – S	Future bond referendum - schools
FRED	Fredericksburg share of certain projects
G	Grants
IE	Interest earnings
L	Other bonds (aka “lease revenue”)
P	Proffers
U	Transfer from Utilities Fund

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2020 - FY 2024 CIP may be found beginning on page 185.

Spotsylvania County, Virginia
FY 2020 - FY 2024 Recommended Capital Improvement Plan
Project Summary By Fund

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2020 - FY 2024 Total
General Government Projects:						
General Government and Judicial Facilities	$12,577,014	$13,287,397	$8,489,257	$11,105,380	$6,937,675	$52,396,722
Solid Waste	$1,295,000	$1,483,107	$5,784,700	$1,173,800	$6,223,000	$15,959,607
Parks and Recreation	$500,000	$0	$515,000	$0	$9,595,000	$10,610,000
Fire and Rescue Services	$4,533,912	$5,073,113	$10,016,721	$7,375,297	$3,535,799	$30,534,842
General Government Total	**$18,905,926**	**$19,843,617**	**$24,805,678**	**$19,654,477**	**$26,291,474**	**$109,501,171**
Transportation Total	**$3,400,000**	**$3,830,000**	**$10,926,128**	**$6,657,500**	**$3,550,000**	**$28,363,628**
Schools Total	**$28,904,696**	**$21,075,916**	**$38,195,828**	**$20,081,582**	**$13,200,964**	**$121,458,986**
Utility Projects:						
General Utility Projects	$2,350,000	$700,000	$600,000	$2,500,000	$750,000	$6,900,000
Water Projects	$12,570,000	$10,025,000	$12,050,000	$19,325,000	$250,000	$54,220,000
Sewer Projects	$20,665,000	$39,840,000	$28,095,000	$14,550,000	$750,000	$103,900,000
Utilities Total	**$35,585,000**	**$50,565,000**	**$40,745,000**	**$36,375,000**	**$1,750,000**	**$165,020,000**
CIP Total, All Funds	**$86,795,622**	**$95,314,533**	**$114,672,634**	**$82,768,559**	**$44,792,438**	**$424,343,785**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Gen. Gov't Facilities & Equip									
Facility Asset Management Program	on-going	C	$0	$610,000	$700,000	$700,000	$700,000	**$2,710,000**	on-going
Judicial Center Renovation & Expansion	$9,606,006	C, IE, P	$4,719,000	$1,600,000	$0	$0	$0	**$6,319,000**	$0
Major Maintenance (HVAC & electric) at Marshall Center	-	C, D	$0	$348,800	$0	$3,300,000	$0	**$3,648,800**	$0
Major Maintenance/Renov. at Holbert Building	$350,000	C	$200,000	$0	$0	$0	$0	**$200,000**	$1,000,000
Replacement Vehicles	on-going	C	$1,490,870	$1,500,000	$1,500,000	$1,500,000	$1,500,000	**$7,490,870**	on-going
Animal Shelter Renovation & Expansion	$5,673,646	B-PS, FRED	$1,076,667	$0	$0	$0	$0	**$1,076,667**	$0
New General Government Facility	$50,000	C	$500,000	$4,700,000	$3,800,000	$0	$0	**$9,000,000**	$0
Library/Community Center in Massaponax Area	$15,000	FR	$0	$0	$1,000,000	$4,000,000	$3,000,000	**$8,000,000**	$0
Subtotal - Gen. Gov't Facilities & Equip	***$15,694,652***		***$7,986,537***	***$8,758,800***	***$7,000,000***	***$9,500,000***	***$5,200,000***	***$38,445,337***	***$1,000,000***
Information Technology									
Public Safety System Improvements:									
Computer Aided Dispatch System Replacement	$5,200,000	B-PS, IE	$1,000,000	$0	$0	$0	$0	**$1,000,000**	$0
Replacement of Chancellor Tower	-	C	$0	$1,000,000	$0	$0	$0	**$1,000,000**	$0
Replacement of Livingston Tower	-	C	$0	$1,000,000	$0	$0	$0	**$1,000,000**	$0
Next Generation 911 (NG911)	$200,000	G	$1,200,000	$0	$0	$0	$0	**$1,200,000**	$0
Radio Replacement Program	on-going	C	$0	$615,000	$615,000	$615,000	$615,000	**$2,460,000**	on-going
In-Car Camera Replacement Program	on-going	C	$256,667	$256,667	$256,667	$0	$0	**$770,000**	on-going
Body Camera Replacement Program	on-going	C	$0	$0	$0	$108,000	$102,000	**$210,000**	on-going

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

Other System Improvements:

Replacement Computers and Servers	on-going	C	$802,310	$606,930	$367,590	$632,380	$770,675	**$3,179,885**	$0
Financial & HR System Upgrade	$2,078,503	C, UT	$631,500	$0	$0	$0	$0	**$631,500**	$0
Personal Property System Replacement	$450,000	C	$0	$600,000	$0	$0	$0	**$600,000**	$0
Cloud Strategy Implementation	$250,000	C	$250,000	$0	$0	$0	$0	**$250,000**	$0
Business Tax Software Update	-	C	$100,000	$0	$0	$0	$0	**$100,000**	$0
State Income Tax Program Replacement	-	C	$100,000	$0	$0	$0	$0	**$100,000**	$0
Time Management System Replacement	-	C	$0	$200,000	$0	$0	$0	**$200,000**	$0
Security Camera Replacement Program	on-going	C	$250,000	$250,000	$250,000	$250,000	$250,000	**$1,250,000**	on-going
Subtotal - Information Technology	***$8,178,503***		***$4,590,477***	***$4,528,597***	***$1,489,257***	***$1,605,380***	***$1,737,675***	***$13,951,385***	**-**
TOTAL GENERAL GOV'T EXPENDITURES	**$23,873,155**		**$12,577,014**	**$13,287,397**	**$8,489,257**	**$11,105,380**	**$6,937,675**	**$52,396,722**	**$1,000,000**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

GENERAL GOV'T REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$7,839,683	$13,287,397	$7,489,257	$7,100,080	$3,937,675	**$39,654,091**	$1,000,000
Interest Earnings		IE	$239,302	$0	$0	$0	$0	**$239,302**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$1,980,545	$0	$0	$0	$0	**$1,980,545**	$0
Other Bonds (aka "lease revenue)		L	$0	$0	$0	$0	$0	**$0**	$0
Future Bond Referendum - Library		FR - L	$0	$0	$1,000,000	$4,000,000	$3,000,000	**$8,000,000**	$0
Proffers		P	$1,169,787	$0	$0	$0	$0	**$1,169,787**	$0
Donations		D	$0	$0	$0	$5,300	$0	**$5,300**	$0
Grants		G	$1,200,000	$0	$0	$0	$0	**$1,200,000**	$0
Fredericksburg Share of Certain Projects		FRED	$78,597	$0	$0	$0	$0	**$78,597**	$0
Transfer from Utilities Fund		U	$69,100	$0	$0	$0	$0	**$69,100**	$0
TOTAL GENERAL GOV'T REVENUES			**$12,577,014**	**$13,287,397**	**$8,489,257**	**$11,105,380**	**$6,937,675**	**$52,396,722**	**$1,000,000**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

SOLID WASTE EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities									
Active Gas Collection System in Add'l Cells	$252,200	C, P	$0	$252,000	$0	$0	$0	**$252,000**	$0
Convenience Center Paving	on-going	C	$50,000	$50,000	$50,000	$50,000	$50,000	**$250,000**	on-going
Livingston Landfill Development (MANDATE)	$3,081,968	C	$0	$166,107	$4,479,700	$173,800	$5,443,000	**$10,262,607**	$806,500
Subtotal - Construction/Closing Cells & Facilities	***$3,334,168***		***$50,000***	***$468,107***	***$4,529,700***	***$223,800***	***$5,493,000***	***$10,764,607***	***$806,500***
SOLID WASTE - Equipment Replacement									
Refuse Disposal Equip Replacement		C	$615,000	$550,000	$605,000	$525,000	$440,000	**$2,735,000**	on-going
Refuse Collection Equip Replacement		C	$630,000	$465,000	$650,000	$425,000	$290,000	**$2,460,000**	on-going
Subtotal - Solid Waste Equipment Replacement	-		***$1,245,000***	***$1,015,000***	***$1,255,000***	***$950,000***	***$730,000***	***$5,195,000***	***$0***
TOTAL SOLID WASTE EXPENDITURES	**$3,334,168**		**$1,295,000**	**$1,483,107**	**$5,784,700**	**$1,173,800**	**$6,223,000**	**$15,959,607**	**$806,500**

SOLID WASTE REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$1,295,000	$1,479,793	$5,784,700	$1,173,800	$6,223,000	**$15,956,293**	$806,500
Proffer		P	$0	$3,314	$0	$0	$0	**$3,314**	$0
TOTAL SOLID WASTE REVENUES			**$1,295,000**	**$1,483,107**	**$5,784,700**	**$1,173,800**	**$6,223,000**	**$15,959,607**	**$806,500**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 19 - FY 23	Costs beyond FY 2024
PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities									
Belmont Park	$52,987	C, P	$500,000	$0	$0	$0	$0	**$500,000**	$0
Loriella Park Lighting Replacement - Phase I	-	CR	$0	$0	$515,000	$0	$0	**$515,000**	$0
Loriella Park Lighting Replacement - Phase II	-	C	$0	$0	$0	$0	$304,000	**$304,000**	$0
Lee Hill Park Lighting Replacement	-	C	$0	$0	$0	$0	$291,000	**$291,000**	$0
Aquatics Center	-	C	$0	$0	$0	$0	$9,000,000	**$9,000,000**	$0
Field Complex	-	C	$0	$0	$0	$0	$0	**$0**	$10,000,000
Partlow Community Center	-	C	$0	$0	$0	$0	$0	**$0**	$750,000
TOTAL PARKS & REC EXPENDITURES	**$52,987**		**$500,000**	**$0**	**$515,000**	**$0**	**$9,595,000**	**$10,610,000**	**$10,750,000**

PARKS & RECREATION REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$397,568	$0	$0	$0	$9,595,000	**$9,992,568**	$10,750,000
Concession Receipts		CR	$0	$0	$515,000	$0	$0	**$515,000**	$0
Proffers		P	$102,432	$0	$0	$0	$0	**$102,432**	$0
TOTAL PARKS & REC REVENUES			**$500,000**	**$0**	**$515,000**	**$0**	**$9,595,000**	**$10,610,000**	**$10,750,000**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

FIRE & RESCUE SERVICES EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
FIRE/RESCUE SERVICES - Construction Projects									
Fire Training & Logistics Center	$250,000	B-PS, P	$0	$0	$2,250,000	$2,000,000	$0	**$4,250,000**	$0
Replacement of Company 3 (Partlow)	$500,000	B-PS	$0	$2,500,000	$2,500,000	$0	$0	**$5,000,000**	$0
New Fire/Rescue - Company 12 (Massaponax area)	$250,000	B-PS	$0	$0	$2,500,000	$2,500,000	$0	**$5,000,000**	$0
Co. 6 Bunkroom Addition/Renovation	$675,000	B-PS	$1,200,000	$0	$0	$0	$0	**$1,200,000**	$0
Subtotal Fire/Rescue constructon	***$1,675,000***		***$1,200,000***	***$2,500,000***	***$7,250,000***	***$4,500,000***	***$0***	***$15,450,000***	***$0***
FIRE/RESCUE SERVICES - Equipment									
Replacement Fire Equipment	on-going	B-PS, C, IE	$2,200,000	$1,781,937	$1,916,207	$1,961,023	$2,662,559	**$10,521,726**	$0
Replacement EMS Equipment	on-going	C	$1,087,500	$791,176	$850,514	$914,274	$813,240	**$4,456,704**	$0
CPR Delivery Devices	on-going	C	$46,412	$0	$0	$0	$60,000	**$106,412**	$0
Subtotal Fire/Rescue equipment	***$1,000,000***		***$3,333,912***	***$2,573,113***	***$2,766,721***	***$2,875,297***	***$3,535,799***	***$15,084,842***	***$0***
TOTAL FIRE/RESCUE SVCS EXPENDITURES	**$2,675,000**		**$4,533,912**	**$5,073,113**	**$10,016,721**	**$7,375,297**	**$3,535,799**	**$30,534,842**	**$0**

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$3,178,977	$2,573,113	$2,066,721	$914,274	$873,240	**$9,606,325**	$0
Interest Earnings		IE	$154,935	$0	$0	$0	$0	**$154,935**	$0
Proffers		P	$0	$0	$10,613	$0	$0	**$10,613**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$1,200,000	$2,500,000	$7,939,387	$6,461,023	$2,662,559	**$20,762,969**	$0
TOTAL FIRE/RESCUE SVCS REVENUES			**$4,533,912**	**$5,073,113**	**$10,016,721**	**$7,375,297**	**$3,535,799**	**$30,534,842**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

TRANSPORTATION EXPENDITURES

TRANSPORTATION ***(reflects solely the County's share of project costs)***

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Improvements at Exit 118 - 606 East, Bridge, 606 West & Connector Road	$13,227,359	B-T	$0	$3,230,000	$2,925,020	$0	$0	**$6,155,020**	$0
Improvements at Exit 126 - Rt. 17 Widening & Bridge	$1,510,669	B-T, IE, P	$3,400,000	$0	$0	$0	$0	**$3,400,000**	$0
Rt. 3 Operational Improvements - "Bump Outs"	$1,000,000	B-T	$0	$0	$1,622,608	$0	$0	**$1,622,608**	$0
Roundabout - Old Plank & Andora	-	B-T, P	$0	$600,000	$0	$900,000	$0	**$1,500,000**	$0
Widening of Harrison - Old Plank to Gordon	$2,450,000	B-T, P	$0	$0	$0	$0	$3,550,000	**$3,550,000**	$0
Implementation of Findings from Corridor Study - Rt 1 & Rt 208 (County's assumed share of implementation)	-	B-T	$0	$0	$2,878,750	$2,878,750	$0	**$5,757,500**	$0
Implementation of Findings from Corridor Study - Rt 2 & Rt 17 (County's assumed share of implementation)	-	B-T	$0	$0	$2,878,750	$2,878,750	$0	**$5,757,500**	$0
Bring Spotsylvania Parkway in Area of Hospital/Bridge to State Standards	-	B-T	$0	$0	$621,000	$0	$0	**$621,000**	$0
TOTAL TRANSPORTATION EXPENDITURES	**$18,188,028**		**$3,400,000**	**$3,830,000**	**$10,926,128**	**$6,657,500**	**$3,550,000**	**$28,363,628**	**$0**

TRANSPORTATION REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Interest Earnings		IE	$182,977	$0	$0	$0	$0	**$182,977**	$0
Proffers		P	$887,518	$198,162	$0	$0	$26,644	**$1,112,324**	$0
Nov 2014 Bond Referendum		B-T	$2,329,505	$3,631,838	$10,926,128	$6,657,500	$3,523,356	**$27,068,327**	$0
TOTAL TRANSPORTATION REVENUES			**$3,400,000**	**$3,830,000**	**$10,926,128**	**$6,657,500**	**$3,550,000**	**$28,363,628**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Courtland High School	$27,140,000	B-S	$10,290,000	$0	$0	$0	$0	**$10,290,000**	$0
Renovate & Expand Spotsylvania Middle School	-	FR-S	$0	$0	$18,000,000	$10,000,000	$0	**$28,000,000**	$0
Subtotal - School Construction	***$27,140,000***		***$10,290,000***	***$0***	***$18,000,000***	***$10,000,000***	***$0***	***$38,290,000***	***$0***
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B-S, FR-S	$3,987,676	$3,795,992	$3,999,568	$3,999,552	$3,999,964	**$19,782,752**	$0
Capital Maintenance	on-going	B-S, FR-S	$11,485,500	$14,970,000	$12,537,000	$2,939,000	$7,271,000	**$49,202,500**	$0
Technology Replacements/Upgrades	on-going	B-S, FR-S	$3,141,520	$2,309,924	$3,659,260	$3,143,030	$1,930,000	**$14,183,734**	$0
Subtotal - School Non-Construction	**-**		***$18,614,696***	***$21,075,916***	***$20,195,828***	***$10,081,582***	***$13,200,964***	***$83,168,986***	***$0***
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	**$27,140,000**		**$28,904,696**	**$21,075,916**	**$38,195,828**	**$20,081,582**	**$13,200,964**	**$121,458,986**	**$0**

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash from General Fund		C	$0	$0	$0	$0	$0	**$0**	$0
Nov 2014 School Bond Referenda		B-S	$28,904,696	$21,075,916	$17,006,348	$0	$0	**$66,986,960**	$0
Future Bond Referendum - Schools		FR - S	$0	$0	$21,189,480	$20,081,582	$13,200,964	**$54,472,026**	$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			**$28,904,696**	**$21,075,916**	**$38,195,828**	**$20,081,582**	**$13,200,964**	**$121,458,986**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
General Utilities Projects									
Utility Lab/Office Expansion	$2,295,304	C	$0	$0	$0	$2,000,000	$500,000	**$2,500,000**	$0
Telemetry/SCADA	$1,238,723	B, C, FRED	$1,850,000	$300,000	$300,000	$100,000	$100,000	**$2,650,000**	$0
Manhole Rehabilitation Program	on-going	C	$50,000	$50,000	$50,000	$50,000	$50,000	**$250,000**	$0
System Improvement Opportunities with Developers	on-going	C	$150,000	$100,000	$100,000	$100,000	$100,000	**$550,000**	$0
CMMS & Asset Management Upgrade	$368,532	C	$300,000	$250,000	$150,000	$0	$0	**$700,000**	$0
Utilites Master Plan Upgrade	$300,000	C	$0	$0	$0	$250,000	$0	**$250,000**	$0
SUBTOTAL GENERAL UTILITIES PROJECTS	***$4,202,559***		***$2,350,000***	***$700,000***	***$600,000***	***$2,500,000***	***$750,000***	***$6,900,000***	***$0***
Water Projects									
Tank Maintenance	$1,267,789	C	$0	$225,000	$0	$0	$0	**$225,000**	$0
Loren Drive/Harrison Rd (formerly known as Falcon Drive Extension)	-	C	$0	$0	$0	$400,000	$0	**$400,000**	$0
Brock Road 16" Waterline Extension	$98,368	C	$0	$0	$350,000	$350,000	$0	**$700,000**	$0
Water Meter Replacement Program	$7,133,159	B, C	$5,000,000	$0	$0	$0	$0	**$5,000,000**	$0
Maple Grove 2" Waterline	$75,000	C	$75,000	$75,000	$75,000	$75,000	$0	**$300,000**	$0
Rt. 1/Rt. 606 Waterline Improvements	-	C	$0	$0	$0	$250,000	$0	**$250,000**	$0
Calhoun/Kilarney Waterline Connection	$200,540	C	$120,000	$0	$0	$0	$0	**$120,000**	$0
12" AC Line Replacement	$17,420	C	$350,000	$350,000	$0	$0	$0	**$700,000**	$0
Southpoint 12" Waterline Replacement	-	C	$0	$0	$0	$175,000	$175,000	**$350,000**	$0
Waverly Village 2" Line Upgrade	-	C	$0	$75,000	$75,000	$75,000	$75,000	**$300,000**	$0
Old Greenwich 2" Line Upgrade	-	C	$0	$250,000	$300,000	$0	$0	**$550,000**	$0
Thornburg Distribution Improvements	$500,000	B, C	$2,000,000	$2,000,000	$2,000,000	$0	$0	**$6,000,000**	$0
Motts Water Treatment Plant Expansion	$459,948	B, C, FRED	$2,000,000	$3,000,000	$9,000,000	$18,000,000	$0	**$32,000,000**	$0
Rt. 1 Waterline Improvements - Cosner to Massaponax	$500,000	B, C	$500,000	$500,000	$0	$0	$0	**$1,000,000**	$0
Rt. 606 West	-	C	$500,000	$500,000	$0	$0	$0	**$1,000,000**	$0
Rt. 17 Waterline Betterment	-	C	$50,000	$200,000	$0	$0	$0	**$250,000**	$0

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

Commonwealth Dr. Parking Lot Waterline Betterment	-	C	$50,000	$200,000	$0	$0	$0	**$250,000**	$0
Pump Station 24 Waterline	-	B	$1,500,000	$0	$0	$0	$0	**$1,500,000**	$0
Tidewater Trail Waterline - Ruffins Pond to New Post	-	C	$125,000	$750,000	$250,000	$0	$0	**$1,125,000**	$0
Fawn Lake Tank & Booster Station	-	C	$300,000	$1,900,000	$0	$0	$0	**$2,200,000**	$0
SUBTOTAL WATER PROJECTS	***$10,252,224***		***$12,570,000***	***$10,025,000***	***$12,050,000***	***$19,325,000***	***$250,000***	***$54,220,000***	***$0***

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Sewer Projects									
Collection System Extensions	on-going	C	$50,000	$50,000	$50,000	$50,000	$50,000	**$250,000**	$0
Pump Station 24 Relocation	$989,080	B	$2,200,000	$0	$0	$0	$0	**$2,200,000**	$0
Lafayette Crossing Pump Station Abandonment	-	C	$0	$0	$300,000	$100,000	$0	**$400,000**	$0
FMC Infrastructure Improvements	$2,227,882	B, FRED	$1,500,000	$1,500,000	$0	$0	$0	**$3,000,000**	$0
Elimination of Pump Stations 3 & 6	$50,000	C	$0	$0	$350,000	$0	$0	**$350,000**	$0
Fawn Lake Pump Stations 27 & 58	$1,575,954	B	$1,620,000	$0	$0	$0	$0	**$1,620,000**	$0
Thornburg Wastewater Treatment Plant Upgrade	$5,250,000	B	$3,000,000	$5,500,000	$0	$0	$0	**$8,500,000**	$0
Massaponax Wastewater Treatment Plant Expansion	$2,000,000	B, FRED	$6,100,000	$18,900,000	$19,600,000	$13,600,000	$0	**$58,200,000**	$0
Infiltration & Inflow Program	on-going	C	$100,000	$100,000	$100,000	$100,000	$100,000	**$500,000**	$0
Flow Metering	$300,000	C	$0	$200,000	$0	$0	$0	**$200,000**	$0
Old Greenwich Sewer Replacement - Ph 5	$0	C	$0	$800,000	$0	$0	$0	**$800,000**	$0
FMC Decommissioning/Industrial Pump Station	$500,000	B, FRED	$2,600,000	$2,600,000	$0	$0	$0	**$5,200,000**	$0
Deep Run Pump Station Rehab	-	B, C	$270,000	$2,600,000	$0	$0	$0	**$2,870,000**	$0
FMC to Massaponax WWTP Conveyance	-	B, FRED	$1,500,000	$7,000,000	$7,000,000	$0	$0	**$15,500,000**	$0
Wishner Pump Station/Force Main	-	C	$400,000	$250,000	$0	$0	$0	**$650,000**	$0
Grantwood Acres Interceptor (Chancellor Elementary)	-	C	$300,000	$0	$0	$0	$0	**$300,000**	$0
Thornburg Collection System Improvements	-	C	$150,000	$0	$0	$0	$0	**$150,000**	$0
Gateway Business Park Pump Station	-	C	$75,000	$0	$0	$0	$0	**$75,000**	$0
Rt. 606 West	-	C	$200,000	$0	$0	$0	$0	**$200,000**	$0
Replacement Equipment - Field Services	on-going	C	$300,000	$340,000	$195,000	$200,000	$200,000	**$1,235,000**	$0
Replacement Equipment - Composting	on-going	C	$300,000	$0	$500,000	$500,000	$400,000	**$1,700,000**	$0
SUBTOTAL SEWER PROJECTS	***$12,892,916***		***$20,665,000***	***$39,840,000***	***$28,095,000***	***$14,550,000***	***$750,000***	***$103,900,000***	***$0***
TOTAL UTILITIES EXPENDITURES	**$27,347,699**		**$35,585,000**	**$50,565,000**	**$40,745,000**	**$36,375,000**	**$1,750,000**	**$165,020,000**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

UTILITIES REVENUES

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$5,001,743	$6,999,278	$7,999,685	$4,998,796	$1,750,000	**$26,749,502**	
Fredericksburg Share of Certain Projects		FRED	$6,713,257	$16,780,722	$16,835,315	$12,826,204	$0	**$53,155,498**	$0
Revenue Bonds		B	$23,870,000	$26,785,000	$15,910,000	$18,550,000	$0	**$85,115,000**	
TOTAL UTILITIES REVENUES			**$35,585,000**	**$50,565,000**	**$40,745,000**	**$36,375,000**	**$1,750,000**	**$165,020,000**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2020 - FY 2024

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
TOTAL FY 2020 - FY 2024 CIP			**$86,795,622**	**$95,314,533**	**$114,672,634**	**$82,768,559**	**$44,792,438**	**$424,343,785**	**$12,556,500**

CIP REVENUE SUMMARY

	Total Budget through FY 2019	Funding Source	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20 - FY 24	Costs beyond FY 2024
Cash		C	$17,712,971	$24,339,581	$23,340,363	$14,186,950	$22,378,915	**$101,958,779**	$12,556,500
Interest Earnings		IE	$577,214	$0	$0	$0	$0	**$577,214**	$0
Fredericksburg Share of Certain Projects		FRED	$6,791,854	$16,780,722	$16,835,315	$12,826,204	$0	**$53,234,095**	$0
Concession Receipts		CR	$0	$0	$515,000	$0	$0	**$515,000**	$0
Donations		D	$0	$0	$0	$5,300	$0	**$5,300**	$0
Proffers		P	$2,159,737	$201,476	$10,613	$0	$26,644	**$2,398,470**	$0
Grants		G	$1,200,000	$0	$0	$0	$0	**$1,200,000**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$3,180,545	$2,500,000	$7,939,387	$6,461,023	$2,662,559	**$22,743,514**	$0
Nov 2014 Bond Referenda - Schools		B-S	$28,904,696	$21,075,916	$17,006,348	$0	$0	**$66,986,960**	$0
Nov 2014 Bond Referendum - Transportation		B-T	$2,329,505	$3,631,838	$10,926,128	$6,657,500	$3,523,356	**$27,068,327**	$0
Future Bond Referendum - Library		FR - L	$0	$0	$1,000,000	$4,000,000	$3,000,000	**$8,000,000**	$0
Future Bond Referendum - Schools		FR - S	$0	$0	$21,189,480	$20,081,582	$13,200,964	**$54,472,026**	$0
Other Bonds (aka "lease revenue)		L	$0	$0	$0	$0	$0	**$0**	$0
Revenue Bonds - Utilities		B	$23,870,000	$26,785,000	$15,910,000	$18,550,000	$0	**$85,115,000**	$0
Transfer from Utilities Fund		U	$69,100	$0	$0	$0	$0	**$69,100**	$0
TOTAL FY 2020 - FY 2024 CIP			**$86,795,622**	**$95,314,533**	**$114,672,634**	**$82,768,559**	**$44,792,438**	**$424,343,785**	**$12,556,500**

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

CIP Project Information

The following section contains project locations, descriptions, justifications, cost estimates and estimated operating costs for each project in the General Government and Transportation categories. Individual project sheets are not available for Schools and Utilities projects. Instead, a brief description of each Schools and Utilities project is provided.

General Government Projects

General Government 187
Information Technology..... 189
Solid Waste 212
Parks & Recreation..... 217
Fire & Rescue 224

Transportation Projects

Transportation 233

School Projects

Schools 241

Utilities Projects

General Utilities 247
Water 248
Sewer 250

General Government Projects

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

DEPARTMENT: **Public Works**

PROJECT NAME: **Facilities Asset Management**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Major repairs and upgrades at various County facilities.

PROJECT DESCRIPTION:

The Facilities Asset Management program was developed to ensure that the physical condition of County facilities is maintained through major maintenance and minor construction projects.

PROJECT OBJECTIVE:

The Facilities Asset Management program was implemented in 2001 as a means to maintain County facilities. The program first addresses deferred maintenance and then provides a program for cyclical maintenance and component renewal. The schedule for deferred maintenance, cyclical maintenance and component renewals serves as a budgetary tool in forecasting the major maintenance requirements for facilities within the program. The Facilities Asset Management program is not a preventive or routine maintenance program.

TOTAL CAPITAL PROJECT COST:

$2,710,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
on-going	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$610,000	$700,000	$700,000	$700,000	$2,710,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$610,000**	**$700,000**	**$700,000**	**$700,000**	**$2,710,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$610,000	$700,000	$700,000	$700,000	$2,710,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$610,000**	**$700,000**	**$700,000**	**$700,000**	**$2,710,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

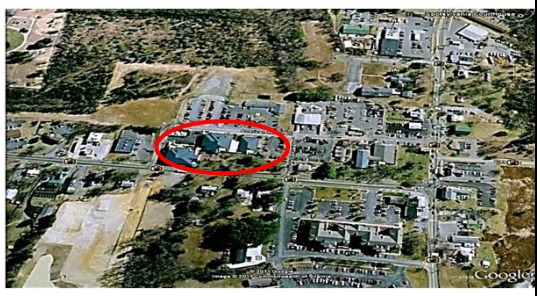
DEPARTMENT: **Public Works**

PROJECT NAME: **Judicial Center Renovation**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Existing Judicial Center at Spotsylvania Courthouse



PROJECT DESCRIPTION: Project consists of a 33,000 square foot expansion of the Judicial Center. Expansion will include shell space, one additional General District courtroom, and one additional Juvenile & Domestic Relations courtroom. Existing space within the Judicial Center will receive varying degrees of renovation including HVAC replacement, a new security check point, and refurbished General District Court Clerk space in Building C (the former Circuit Court building).

PROJECT OBJECTIVE: Provide additional courtrooms and judicial support spaces to meet current case loading and provide room for expansion to meet additional case loading within the planning period.

TOTAL CAPITAL PROJECT COST: $15,925,006

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
on-going	County owns building	FY 2020 - FY 2021

PRIOR YEAR BUDGETS: $9,606,006

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$1,169,787	$0	$0	$0	$0	$1,169,787
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$3,327,436	$1,600,000	$0	$0	$0	$4,927,436
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$221,777	$0	$0	$0	$0	$221,777
Total Projected/Requested Funding	**$4,719,000**	**$1,600,000**	**$0**	**$0**	**$0**	**$6,319,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$4,719,000	$1,600,000	$0	$0	$0	$6,319,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$4,719,000**	**$1,600,000**	**$0**	**$0**	**$0**	**$6,319,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$180,985	$186,916	$193,047	$560,948
Total Est Add'l Operational Costs	**$0**	**$0**	**$180,985**	**$186,916**	**$193,047**	**$560,948**

DEPARTMENT: **Public Works**

PROJECT NAME: **Major Maintenance/Renovations at Marshall Center**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Marshall Center - local government office building located at 8800 Courthouse Road, Spotsylvania, VA 22553

PROJECT DESCRIPTION: The center portion of the building was constructed in 1939 and has had no major renovation. The two wings were constructed in 1962 with renovations done later for the Teen Center and library. The building has a new roof and new windows. The HVAC system, electrical system and plumbing need replacing. Auditorium improvements are also anticipated, including installation of theatrical lighting, sound system, control room for lights and sound, and a fire proof curtain.

PROJECT OBJECTIVE: This project will replace the HVAC system, electrical system and plumbing in the Marshall Center. This major maintenance work will require ceilings and wall finishes to be removed in some spaces. The auditorium improvements will allow for musical performances and recitals, and meetings and public presentations that require sound projection, audio/visual and lighting to be held in the large auditorium space.

TOTAL CAPITAL PROJECT COST: $3,648,800

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2021	County owns building	FY 2023

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$348,800	$0	$3,294,700	$0	$3,643,500
Service Charge	$0	$0	$0	$0	$0	$0
Other (Donations)	$0	$0	$0	$5,300	$0	$5,300
Total Projected/Requested Funding	**$0**	**$348,800**	**$0**	**$3,300,000**	**$0**	**$3,648,800**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$348,800	$0	$0	$0	$348,800
Construction	$0	$0	$0	$3,300,000	$0	$3,300,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$348,800**	**$0**	**$3,300,000**	**$0**	**$3,648,800**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Major Maintenance/Renovations at Holbert Building**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Holbert Building - local government office building located at 9104 Courthouse Road, Spotsylvania, VA 22553

PROJECT DESCRIPTION: Building was constructed in 1978 and has had no major renovations since. The HVAC system is well past its lifecycle and parts are no longer available.

PROJECT OBJECTIVE: This project will replace the HVAC system in the Holbert Building. Due to the increased equipment size/capacity that will be necessary for this project to meet current code requirements for ventilation rates, it is unlikely that this project will yield operational cost savings.

TOTAL CAPITAL PROJECT COST: $550,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019	County owns building	FY 2020

PRIOR YEAR BUDGETS: $350,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$200,000	$0	$0	$0	$0	$200,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$200,000**	**$0**	**$0**	**$0**	**$0**	**$200,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$200,000	$0	$0	$0	$0	$200,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$200,000**	**$0**	**$0**	**$0**	**$0**	**$200,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Multiple Departments**

PROJECT NAME: **Replacement Vehicles**

PROJECT CONTACT/PHONE #: Various

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Replacement cycle for existing County vehicles

PROJECT OBJECTIVE: This project funds the replacement cycle for existing County vehicles.

TOTAL CAPITAL PROJECT COST:

$7,490,870

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$1,490,870	$1,500,000	$1,500,000	$1,500,000	$1,500,000	$7,490,870
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$1,490,870**	**$1,500,000**	**$1,500,000**	**$1,500,000**	**$1,500,000**	**$7,490,870**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$1,490,870	$1,500,000	$1,500,000	$1,500,000	$1,500,000	$7,490,870
Total Projected Capital Expenditures	**$1,490,870**	**$1,500,000**	**$1,500,000**	**$1,500,000**	**$1,500,000**	**$7,490,870**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Renovation and Expansion of Animal Shelter**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Animal Shelter at 450 TV Drive, Fredericksburg, VA 22408

PROJECT DESCRIPTION: Renovation and Expansion of Animal Shelter

PROJECT OBJECTIVE: Expansion of the animal shelter to house for adoption more animals and reduce the number of animals being euthanized. Renovations to the existing shelter, as well, to improve conditions of the office space and shelter.

TOTAL CAPITAL PROJECT COST:

$6,750,313

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018	County owns building	FY 2019 - FY 2020

PRIOR YEAR BUDGETS:

$5,673,646

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$998,070	$0	$0	$0	$0	$998,070
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other (City of Fredericksburg)	$78,597	$0	$0	$0	$0	$78,597
Total Projected/Requested Funding	**$1,076,667**	**$0**	**$0**	**$0**	**$0**	**$1,076,667**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$1,076,667	$0	$0	$0	$0	$1,076,667
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,076,667**	**$0**	**$0**	**$0**	**$0**	**$1,076,667**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$89,826	$87,830	$85,834	$83,838	$81,842	$429,170
- Utilities, insurance, maintenance	$0	$58,415	$60,328	$62,305	$64,349	$245,397
Total Est Add'l Operational Costs	**$89,826**	**$146,245**	**$146,162**	**$146,143**	**$146,191**	**$674,567**

DEPARTMENT: **Public Works**

PROJECT NAME: **New General Government Office Building**

PROJECT CONTACT/PHONE #: TBD

PROJECT LOCATION:

Spotsylvania Courthouse area near the existing Public Safety Building

PROJECT DESCRIPTION: Design and construction of a new County office building to house the Department of Social Services and Health Department. It is contemplated that the new construction will occur on County-owned property near the existing Public Safety Building.

PROJECT OBJECTIVE: The Department of Social Services (DSS) is at maximum capacity in the Merchant's Square Building. This project provides opportunity to colocate DSS and the Health Department providing ideal adjacency of services to citizens receiving services from both offices. Additionally, it will provide DSS more convenient access to the Sheriff's Office and Courts. The Health Department's vacation of the Holbert Building will, in turn, free space into which other County offices can expand, particularly those having daily interaction with County Administration, the Treasurer's Office, and the Commissioner of the Revenue.

TOTAL CAPITAL PROJECT COST: $9,050,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019 - FY 2020	NA	FY 2021 - FY 2022

PRIOR YEAR BUDGETS: $50,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$500,000	$4,700,000	$3,800,000	$0	$0	$9,000,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$500,000**	**$4,700,000**	**$3,800,000**	**$0**	**$0**	**$9,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$500,000	$0	$0	$0	$0	$500,000
Construction	$0	$4,700,000	$3,800,000	$0	$0	$8,500,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$500,000**	**$4,700,000**	**$3,800,000**	**$0**	**$0**	**$9,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$169,924	$175,497	$345,421
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$169,924**	**$175,497**	**$345,421**

DEPARTMENT: **Public Works/Central Rappahannock Regional Library**

PROJECT NAME: **Massaponax Library/Community Center**

PROJECT CONTACT/PHONE #: County: Benjamin Loveday, (540) 507-7307. Library: Martha Hutzel, (540) 372-1160/ext. 260

PROJECT LOCATION:

Massaponax area

PROJECT DESCRIPTION:

Provide a new regional library branch and community center to serve the existing Lee Hill, Battlefield, and Berkeley district populations and to plan ahead for anticipated population growth in the general Massaponax area. Options for the new facility could include a traditional 30,000 sq ft. branch similar to the Salem Church library, a store front facility which could be located at a retail venue, or a partnership (such as with Germanna Community Library). A planned study will provide recommendations for the siting and type of the library branch.

PROJECT OBJECTIVE:

Nationally recognized and Virginia Standards for Public Libraries recommend a minimum of 0.6 square feet of library space per capita. The combined square footage of Salem Church (26,000 sq. ft.) and Snow (5,000 sq. ft.) added to one-third of the Fredericksburg headquarters (a 36,000 sq. ft. facility used equally by the City of Fredericksburg, Stafford, and Spotsylvania) results in a total of 43,000 sq. ft. or approximately 0.3 sq. ft. per capita of available library facilities. While this per capita square footage is less than State standards, the existing library square footage is currently in line with Spotsylvania's Comprehensive Plan which calls for 0.3 square feet per capita. Given the new developments planned and approved in the Massaponax area, a new branch should be considered to ensure adequate countywide levels of service. A new Massaponax branch would offer print and digital collections; access to technology; community meeting rooms; study spaces; and collaborative workspaces. The library will also offer a teen tech and innovation lab; an early childhood literacy activity center; and a school-aged learning and discovery place. **In addition to the debt service shown below, we can expect one-time operating costs of $1.2M in FY 2025 for purchase of the start-up collection. Further, we can expect additional operating costs of approximately $530,000 beginning in FY 2025 as the County's share of added personnel, maintenance, utilities, and insurance costs of a new branch.**

TOTAL CAPITAL PROJECT COST:

$8,015,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019; FY 2021	FY 2022	FY 2022 - FY 2024

PRIOR YEAR BUDGETS:

$15,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond*	$0	$0	$1,000,000	$4,000,000	$3,000,000	$8,000,000
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$1,000,000**	**$4,000,000**	**$3,000,000**	**$8,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$350,000	$0	$0	$350,000
Professional Services	$0	$0	$650,000	$0	$0	$650,000
Construction	$0	$0	$0	$4,000,000	$3,000,000	$7,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$1,000,000**	**$4,000,000**	**$3,000,000**	**$8,000,000**
*pending future referendum						
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$100,000	$497,500	$785,000	$1,382,500
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$100,000**	**$497,500**	**$785,000**	**$1,382,500**

DEPARTMENT: **Information Services**

PROJECT NAME: **Public Safety Computer Aided Dispatch System Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Replace the County's Computer Aided Dispatch system.

PROJECT OBJECTIVE: The CAD system has experienced numerous problems and issues over the years since it's been implemented, despite numerous upgrades. To meet the growing technological demand of the public safety community, ensure that the County's CAD system is sized properly for the volume of calls received, and achieve the broad functionality that is commonly available in Tier I and Tier II CAD applications, a replacement is required. The project is currently in progress.

TOTAL CAPITAL PROJECT COST:

$6,200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2015 - FY 2016	N/A	FY 2017 - FY 2020

PRIOR YEAR BUDGETS:

$5,200,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$982,475	$0	$0	$0	$0	$982,475
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$17,525	$0	$0	$0	$0	$17,525
Total Projected/Requested Funding	**$1,000,000**	**$0**	**$0**	**$0**	**$0**	**$1,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$1,000,000	$0	$0	$0	$0	$1,000,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,000,000**	**$0**	**$0**	**$0**	**$0**	**$1,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$167,863	$163,933	$160,003	$156,073	$152,143	$800,015
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$167,863**	**$163,933**	**$160,003**	**$156,073**	**$152,143**	**$800,015**

DEPARTMENT: **Information Services**

PROJECT NAME: **Chancellor Tower Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

Chancellor convenience site: 5917 Harrison Road

PROJECT DESCRIPTION: Replacement of the Chancellor Tower due to the fact the current tower is beyond structural enhancement.

PROJECT OBJECTIVE: This project's objective is to replace the Chancellor Tower greatly improving safety and mitigating risks due to the structural integrity of the current tower. This tower is a prime co-location for county public safety, other agencies public safety and cell service providers. Annual revenue for tower placements is approximately $200,000.

TOTAL CAPITAL PROJECT COST:

$1,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2016	N/A	FY 2021

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$1,000,000	$0	$0	$0	$1,000,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$1,000,000**	**$0**	**$0**	**$0**	**$1,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$1,000,000	$0	$0	$0	$1,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$1,000,000**	**$0**	**$0**	**$0**	**$1,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Livingston Tower Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

PROJECT DESCRIPTION: Replacement of the Livingston Tower due to the fact the current tower is beyond structural enhancement.

PROJECT OBJECTIVE: This project's objective is to replace the Livingston Tower greatly improving safety and mitigating risks due to the structural integrity of the current tower. This tower is an important co-location for county public safety, other agencies public safety and cell service providers. Annual revenue for tower placements is approximately $14,000.

TOTAL CAPITAL PROJECT COST: $1,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
TBD	N/A	FY 2021

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$1,000,000	$0	$0	$0	$1,000,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$1,000,000**	**$0**	**$0**	**$0**	**$1,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$1,000,000	$0	$0	$0	$1,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$1,000,000**	**$0**	**$0**	**$0**	**$1,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Next Generation 911 (NG911)**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Ensure E911 telephony system compatibility and compliance with NG911 mandates.

PROJECT OBJECTIVE: Perform system evaluation, analysis, enhancements, and upgrades to facilitate and support NG911 mandates such as text-to-911. Federal and State mandates for this functionality are nearly established and funding will be required within the next 12 - 18 months. Cost estimate is based on preliminary figures from the State.

TOTAL CAPITAL PROJECT COST:

$1,400,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018	N/A	FY 2019 - FY 2020

PRIOR YEAR BUDGETS:

$200,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$1,200,000	$0	$0	$0	$0	$1,200,000
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$1,200,000**	**$0**	**$0**	**$0**	**$0**	**$1,200,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$1,200,000	$0	$0	$0	$0	$1,200,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,200,000**	**$0**	**$0**	**$0**	**$0**	**$1,200,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$150,000	$150,000	$150,000	$150,000	$600,000
Total Est Add'l Operational Costs	**$0**	**$150,000**	**$150,000**	**$150,000**	**$150,000**	**$600,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **Radio Replacement Program**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Annual replacement program for mobile radios and in-car radios mainly covering all of public safety, schools, transportation, and Utilities. There are approximately 1,300 radios in service and they have an approximate five year life space. The plan is to replace 20% of the radios each year.

PROJECT OBJECTIVE: This project funds the replacement of obsolete or broken mobile and in-car radios. As the replacement program is implemented, funding needs will be refined on an annual basis to ensure only those pieces equipment needing replacement are included in the project budget.

TOTAL CAPITAL PROJECT COST:

$2,460,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$615,000	$615,000	$615,000	$615,000	$2,460,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$615,000**	**$615,000**	**$615,000**	**$615,000**	**$2,460,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$615,000	$615,000	$615,000	$615,000	$2,460,000
Total Projected Capital Expenditures	**$0**	**$615,000**	**$615,000**	**$615,000**	**$615,000**	**$2,460,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **In-Car Camera Replacement Program**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Annual replacement program for in-car cameras covering all of public safety. The cameras have an approximate five year life span. The funding identified below is for a plan to replace all existing cameras over the next three years with 1/3 being replaced each year. Thereafter, replacements should average a five year life cycle.

PROJECT OBJECTIVE: This project funds the replacement of obsolete or broken in-car cameras. As the replacement program is implemented, funding needs will be refined on an annual basis to ensure only those pieces equipment needing replacement are included in the project budget.

TOTAL CAPITAL PROJECT COST:

$770,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$256,667	$256,667	$256,666	$0	$0	$770,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$256,667**	**$256,667**	**$256,666**	**$0**	**$0**	**$770,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$256,667	$256,667	$256,666	$0	$0	$770,000
Total Projected Capital Expenditures	**$256,667**	**$256,667**	**$256,666**	**$0**	**$0**	**$770,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Body Camera Replacement Program**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Annual replacement program for the Sheriff's Office body worn cameras. The cameras have an approximate five year life span.

PROJECT OBJECTIVE: This project funds the replacement of obsolete or broken body worn cameras. As the replacement program is implemented, funding needs will be refined on an annual basis to ensure only those pieces equipment needing replacement are included in the project budget.

TOTAL CAPITAL PROJECT COST:

$210,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$108,000	$102,000	$210,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$108,000**	**$102,000**	**$210,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$108,000	$102,000	$210,000
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$108,000**	**$102,000**	**$210,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Replacement Computers & Servers**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Replacement cycle for County computers, laptops, ToughBooks, work stations, switches, routers, servers, hard drives, uninterruptable power supplies (UPS), printers, scanners, monitors, and other peripheral devices. Most items are on a standard five year replacement cycle.

PROJECT OBJECTIVE: This project funds the replacement of obsolete or broken technology hardware.

TOTAL CAPITAL PROJECT COST:

$3,179,885

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$802,310	$606,930	$367,590	$632,380	$770,675	$3,179,885
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$802,310**	**$606,930**	**$367,590**	**$632,380**	**$770,675**	**$3,179,885**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$802,310	$606,930	$367,590	$632,380	$770,675	$3,179,885
Total Projected Capital Expenditures	**$802,310**	**$606,930**	**$367,590**	**$632,380**	**$770,675**	**$3,179,885**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Finance**

PROJECT NAME: **Financial & HR System Upgrade**

PROJECT CONTACT/PHONE #: Beckie Forry, (540) 507-7597

PROJECT LOCATION:

This software will impact every department in the County, providing staff with a system to manage financial and human resource issues, including processes like Budget, Procurement, Accounts Payable, Accounts Receivable, Fixed Assets, Payroll, Personnel actions, etc.

PROJECT DESCRIPTION:

In 2014, the County evaluated the current HR and financial management systems and capabilities. We found that lack of interfaces, lack of an effective reporting tool, dependence on an antiquated iSeries platform, an out-of-date paper-based environment, and the system's inability to adapt and change with new demands left the County with numerous inefficient, time-consuming, and manual processes.

PROJECT OBJECTIVE:

The County's current financial system is over 15 years old and is installed on a legacy ISeries platform that is being retired over the next several years. As a result, it is necessary to move to the SunGard ONESolution system that will run on a client/server platform and address the weaknesses noted above. Initial funding for this project was provided in FY 2012, but the project was put on hold due to lack of staff resources. The additional funding requested for this project will fund consultants and back-filling to provide staff with sufficient time to complete this project and will provide hardware (desk scanners) which will be necessary with the implementation of the new system.

TOTAL CAPITAL PROJECT COST:

$2,710,003

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018 - FY 2020	N/A	on-going

PRIOR YEAR BUDGETS:

$2,078,503

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$562,400	$0	$0	$0	$0	$562,400
Service Charge	$0	$0	$0	$0	$0	$0
Other (Transfer from Utilities)	$69,100	$0	$0	$0	$0	$69,100
Total Projected/Requested Funding	**$631,500**	**$0**	**$0**	**$0**	**$0**	**$631,500**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$631,500	$0	$0	$0	$0	$631,500
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$631,500**	**$0**	**$0**	**$0**	**$0**	**$631,500**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Personal Property System Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Replacement of the Personal Property system.

PROJECT OBJECTIVE: The purpose of this project is to upgrade the legacy personal property system to a streamlined and automated personal property tracking and tax collection system. The legacy system, developed in-house in the mid-1990s, has reached the end of its expected life cycle, and requires replacement as we retire the AS400.

TOTAL CAPITAL PROJECT COST:

$1,050,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017	N/A	FY 2019 - FY 2021

PRIOR YEAR BUDGETS:

$450,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$600,000	$0	$0	$0	$600,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$600,000**	**$0**	**$0**	**$0**	**$600,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$600,000	$0	$0	$0	$600,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$600,000**	**$0**	**$0**	**$0**	**$600,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$100,000	$100,000	$100,000	$300,000
Total Est Add'l Operational Costs	**$0**	**$0**	**$100,000**	**$100,000**	**$100,000**	**$300,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **Cloud Strategy Implementation**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Cloud strategy implementation

PROJECT OBJECTIVE: Establish a cloud solution for the movement of systems into a cloud environment to provide a centralized set of tools and applications internally and provide key information to our citizens. Key to migrating to the cloud are as follows:

1. Delivering a global solution. Implementing a cloud-based simulation platform will provide a complete set of validated and consistent tools, easily accessed by end-users. Software version updates can be more easily managed, and latest generation infrastructure will ensure competitive performance is available to all users.

2. Protecting, managing and leveraging key intellectual property and data. Today, data is typically managed in a decentralized fashion by individual users. A cloud strategy will instead provide centralized data management, backup and disaster recovery. Cloud security and encryption tools will ensure that the data is secure.

3. Ensuring business agility. A cloud strategy can provide infrastructure and software capacity for peak demands or unexpected projects within hours or minutes, as opposed to the long procurement cycles typical for on-premise deployments. The cloud's elastic capacity provides the software and hardware assets when we need them without tying up resources in a fixed size infrastructure.

4. Optimizing asset utilization to level out actual annual costs. The cloud provides increased visibility of asset utilization rates, allowing us to right-size software and infrastructure assets while maintaining flexibility for overage and peak demand. We can consolidate vendors and tools, eliminating point solutions that detract from efficiency.

TOTAL CAPITAL PROJECT COST:

$500,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018 - FY 2019	N/A	FY 2019 & FY 2020

PRIOR YEAR BUDGETS:

$250,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$250,000	$0	$0	$0	$0	$250,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$250,000**	**$0**	**$0**	**$0**	**$0**	**$250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$100,000	$0	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$150,000	$0	$0	$0	$0	$150,000
Total Projected Capital Expenditures	**$250,000**	**$0**	**$0**	**$0**	**$0**	**$250,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$150,000	$300,000	$300,000	$300,000	$1,050,000
Total Est Add'l Operational Costs	**$0**	**$150,000**	**$300,000**	**$300,000**	**$300,000**	**$1,050,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **Business Tax Software Upgrade**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Each year, the Commissioner of Revenue receives and processes Business Taxes. The current Avenity Software is reaching the end of its support lifecycle and the County will need to upgrade to the newest version.

PROJECT OBJECTIVE: Upgrade the current Avenity Business Tax System to the latest version as the previous version of the software is reaching the end of its support life cycle.

TOTAL CAPITAL PROJECT COST:

$100,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2020	N/A	FY 2021

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$100,000	$0	$0	$0	$0	$100,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$100,000**	**$0**	**$0**	**$0**	**$0**	**$100,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$100,000	$0	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$100,000**	**$0**	**$0**	**$0**	**$0**	**$100,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$15,000	$15,000	$15,000	$15,000	$60,000
Total Est Add'l Operational Costs	**$0**	**$15,000**	**$15,000**	**$15,000**	**$15,000**	**$60,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **State Income Tax Program Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Each year, the Commissioner of Revenue receives and processes State income tax returns for Spotsylvania County residents through an automated system on the County's iSeries. As the County moves all applications from the iSeries to a client/server platform it will be necessary to move this application, as well.

PROJECT OBJECTIVE: To move the State income tax application from the iSeries to a client/server platform.

TOTAL CAPITAL PROJECT COST:

$100,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2020	N/A	FY 2020

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$100,000	$0	$0	$0	$0	$100,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$100,000**	**$0**	**$0**	**$0**	**$0**	**$100,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$100,000	$0	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$100,000**	**$0**	**$0**	**$0**	**$0**	**$100,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$15,000	$15,000	$15,000	$15,000	$60,000
Total Est Add'l Operational Costs	**$0**	**$15,000**	**$15,000**	**$15,000**	**$15,000**	**$60,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **Time Management System Replacement**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: The currently time management system (NovaTime) was purchased in 2014 and will be reaching the end of its product support life by January 2020. As such, a replacement is necessary.

PROJECT OBJECTIVE: To replace the time management system when it has reached the end of its useful life and support cycle.

TOTAL CAPITAL PROJECT COST:

$200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2020	N/A	FY 2021

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$200,000	$0	$0	$0	$200,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$200,000**	**$0**	**$0**	**$0**	**$200,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$200,000	$0	$0	$0	$200,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$200,000**	**$0**	**$0**	**$0**	**$200,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$30,000	$30,000	$30,000	$30,000	$120,000
Total Est Add'l Operational Costs	**$0**	**$30,000**	**$30,000**	**$30,000**	**$30,000**	**$120,000**

DEPARTMENT: **Information Services**

PROJECT NAME: **Security Camera Replacement Program**

PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Annual replacement program for all security cameras including public safety and the courts and various other departments.They have approximately a five year life span. The plan is to replace 20% of the in car cameras each year.

PROJECT OBJECTIVE: Annual replacement program for all security cameras including public safety and the courts and various other departments. They have approximately a five year life span. The plan is to replace 20% of the in car cameras each year.

TOTAL CAPITAL PROJECT COST:

$1,250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$250,000**	**$250,000**	**$250,000**	**$250,000**	**$250,000**	**$1,250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$250,000	$250,000	$250,000	$250,000	$250,000	$1,250,000
Total Projected Capital Expenditures	**$250,000**	**$250,000**	**$250,000**	**$250,000**	**$250,000**	**$1,250,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Active Gas Collection System in Additional Cells**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Livingston Landfill on Massey Road

PROJECT DESCRIPTION: Installation of active gas collection system in additional landfill cells.

PROJECT OBJECTIVE: Active gas collection in cells 1 and 2 of the Livingston Landfill. This project will expand the collection field into portions of additional cells that have reached final grade.

TOTAL CAPITAL PROJECT COST:

$504,400

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	FY 2018, FY 2021

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$252,200

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$3,314	$0	$0	$0	$3,314
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$248,886	$0	$0	$0	$248,886
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$252,200**	**$0**	**$0**	**$0**	**$252,200**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$252,200	$0	$0	$0	$252,200
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$252,200**	**$0**	**$0**	**$0**	**$252,200**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Convenience Center Paving**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Location varies dependent on the convenience center to be repaired. Locations include Livingston landfill, The Barn, Cole Hill Creek, Todds Tavern, Belmont, Chewning Park, Wilderness, Chancellor, Berkeley, Lee Hill, Marshall Park, Mine Road and Post Oak.

PROJECT DESCRIPTION: $50,000 each year for paving repairs at the various other sites.

PROJECT OBJECTIVE: Maintain facilities to achieve consistent level of service for trash collection and disposal to the residents of Spotsylvania County.

TOTAL CAPITAL PROJECT COST: $250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS: on-going

COSTS PROJECTED BEYOND CIP PERIOD: on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$50,000**	**$50,000**	**$50,000**	**$50,000**	**$50,000**	**$250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$50,000**	**$50,000**	**$50,000**	**$50,000**	**$50,000**	**$250,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Livingston Landfill Development**

PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

Livingston Landfill located at 6241 Massey Road, Spotsylvania, VA

PROJECT DESCRIPTION: Long-term landfill development plan.

PROJECT OBJECTIVE: Landfill development plan based on an intake of approximately 10,625 tons per month.

TOTAL CAPITAL PROJECT COST:

$13,950,100

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017 - FY 2025	N/A	FY 2017 - FY 2025

PRIOR YEAR BUDGETS:

$2,880,993

COSTS PROJECTED BEYOND CIP PERIOD:

$806,500

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$166,107	$4,479,700	$173,800	$5,443,000	$10,262,607
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$166,107**	**$4,479,700**	**$173,800**	**$5,443,000**	**$10,262,607**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$166,107	$265,700	$173,800	$330,000	$935,607
Construction	$0	$0	$4,214,000	$0	$5,113,000	$9,327,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$166,107**	**$4,479,700**	**$173,800**	**$5,443,000**	**$10,262,607**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Replacement Refuse Disposal Equipment**

PROJECT CONTACT/PHONE #: Benjamin Loveday (540) 507-7307

PROJECT LOCATION:

Various convenience sites throughout the County

PROJECT DESCRIPTION: Heavy equipment replacement and rebuilds.

PROJECT OBJECTIVE: Maintain an appropriate sized heavy equipment fleet to ensure effective landfill disposal based on the tonnage being accepted at the facility.

TOTAL CAPITAL PROJECT COST:

$2,735,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$615,000	$550,000	$605,000	$525,000	$440,000	$2,735,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$615,000**	**$550,000**	**$605,000**	**$525,000**	**$440,000**	**$2,735,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$615,000	$550,000	$605,000	$525,000	$440,000	$2,735,000
Total Projected Capital Expenditures	**$615,000**	**$550,000**	**$605,000**	**$525,000**	**$440,000**	**$2,735,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Public Works**

PROJECT NAME: **Replacement Refuse Collection Equipment**

PROJECT CONTACT/PHONE #: Benjamin Loveday (540) 507-7307

PROJECT LOCATION:

Various convenience sites throughout the County

PROJECT DESCRIPTION: Collections equipment replacement.

PROJECT OBJECTIVE: Maintain a collection of fleet to serve all solid waste collection facilities in the County.

TOTAL CAPITAL PROJECT COST:

$2,460,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$630,000	$465,000	$650,000	$425,000	$290,000	$2,460,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$630,000**	**$465,000**	**$650,000**	**$425,000**	**$290,000**	**$2,460,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$630,000	$465,000	$650,000	$425,000	$290,000	$2,460,000
Total Projected Capital Expenditures	**$630,000**	**$465,000**	**$650,000**	**$425,000**	**$290,000**	**$2,460,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks & Recreation**

PROJECT NAME: **Belmont Park**

PROJECT CONTACT/PHONE #: Kevin Brooks, (540) 507-7525

PROJECT LOCATION:

Belmont Road

PROJECT DESCRIPTION: Construction of two tennis/pickleball courts, a walking path, picnic shelter, parking area, and stormwater requirements.

PROJECT OBJECTIVE: Development of a new park in the Livingston district on property already owned by the County.

TOTAL CAPITAL PROJECT COST:

$552,987

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2008 / FY 2020	County owns land	FY 2020

PRIOR YEAR BUDGETS:

$52,987

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$102,432	$0	$0	$0	$0	$102,432
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$397,568	$0	$0	$0	$0	$397,568
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$500,000**	**$0**	**$0**	**$0**	**$0**	**$500,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$500,000	$0	$0	$0	$0	$500,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$500,000**	**$0**	**$0**	**$0**	**$0**	**$500,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$11,566	$12,144	$12,752	$13,389	$49,851
Total Est Add'l Operational Costs	**$0**	**$11,566**	**$12,144**	**$12,752**	**$13,389**	**$49,851**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Loriella Park Athletic Field Lighting Replacement Phase 1**

PROJECT CONTACT/PHONE #: Darrell Holladay, (540) 507-7528

PROJECT LOCATION:

Loriella Park 10910 Leavells Road
Fredericksburg, Va 22407

PROJECT DESCRIPTION: Replace the lighting on Loriella #1 Soccer Field and Loriella #3 Baseball Field.

PROJECT OBJECTIVE: To maintain the current number of lit fields within the County by replacing these lights to keep parks safe and infrastructure in good condition.

TOTAL CAPITAL PROJECT COST:

$515,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2022	N/A	FY 2022

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other (Concession Receipts)	$0	$0	$515,000	$0	$0	$515,000
Total Projected/Requested Funding	**$0**	**$0**	**$515,000**	**$0**	**$0**	**$515,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$515,000	$0	$0	$515,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$515,000**	**$0**	**$0**	**$515,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Loriella Park Athletic Field Lighting Replacement Phase 2**

PROJECT CONTACT/PHONE #: Darrell Holladay, (540) 507-7528

PROJECT LOCATION:

Loriella Park 10910 Leavells Road
Fredericksburg, Va 22407

PROJECT DESCRIPTION: Replace the lighting on Loriella #1 Baseball Field and Tennis Courts.

PROJECT OBJECTIVE: To maintain the current number of lit fields within the County by replacing these lights to keep parks safe and infrastructure in good condition.

TOTAL CAPITAL PROJECT COST:

$304,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2024	N/A	FY 2024

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$304,000	$304,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$304,000**	**$304,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$304,000	$304,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$304,000**	**$304,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Lee Hill Park Lighting Replacement**

PROJECT CONTACT/PHONE #: Darrell Holladay, (540) 507-7528

PROJECT LOCATION:

Lee Hill Park Road
Fredericksburg, VA 22408

PROJECT DESCRIPTION: Replace the lighting on Lee Hill Baseball Field #1

PROJECT OBJECTIVE: To maintain the current # of lit fields within the County by replacing these lights within the County by replacing these detoriorating lighting components with new safe infrastructure. These lights were installed in the early 80's and have exceeded normal life expectancy.

TOTAL CAPITAL PROJECT COST: $291,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2024	N/A	FY 2024

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$291,000	$291,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$291,000**	**$291,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$291,000	$291,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$291,000**	**$291,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Placeholder - Aquatics Center**

PROJECT CONTACT/PHONE #: Kevin Brooks, (540) 507-7525

PROJECT LOCATION:

Location to be determined.

PROJECT DESCRIPTION:

Construction of an aquatics center within Spotsylvania. The details of this project have not yet been determined. Funding is being included in the CIP as a placeholder at this time. Given that details of the project and its operations are still to be determined, no estimate of on-going operating costs is available at this time.

PROJECT OBJECTIVE:

TOTAL CAPITAL PROJECT COST:

$9,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2024 and beyond	N/A	FY 2024 and beyond

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$9,000,000	$9,000,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$9,000,000**	**$9,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$9,000,000	$9,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$9,000,000**	**$9,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Placeholder - Field Complex**

PROJECT CONTACT/PHONE #: Kevin Brooks, (540) 507-7525

PROJECT LOCATION:

Location to be determined.

PROJECT DESCRIPTION:

Construction of a baseball/softball field complex within Spotsylvania to be used by County teams and to attract tournaments from outside the County. The details of this project have not yet been determined. Funding is being included in the CIP as a placeholder at this time and is based on an assumption of 7-8 turf baseball/softball fields, water/sewer, lighting, parking and bathrooms. Given that details of the project and its operations are still to be determined, no estimate of on-going operating costs is available at this time.

PROJECT OBJECTIVE:

Construction of a baseball/softball field complex within Spotsylvania to be used by County teams and to attract tournaments from outside the County.

TOTAL CAPITAL PROJECT COST:

$10,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2025 and beyond	N/A	FY 2025 and beyond

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$10,000,000

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Parks and Recreation**

PROJECT NAME: **Placeholder - Partlow Community Center**

PROJECT CONTACT/PHONE #: Kevin Brooks, (540) 507-7525

PROJECT LOCATION:

Location to be determined.

PROJECT DESCRIPTION: Construction of a new community center in the Partlow area of Spotsylvania. Given that this is a placeholder and specific details of the project have not yet been determined, an estimate of on-going operating costs has not been calculated at this time.

PROJECT OBJECTIVE: To provide community gathering space for citizens in the Partlow area.

TOTAL CAPITAL PROJECT COST:

$750,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2025 and beyond	N/A	FY 2025 and beyond

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$750,000

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **Fire Training & Logistics Center**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

PROJECT DESCRIPTION: This project is the construction of a Fire Training Center. This project will include the construction of an approximately 7,500 square foot training facility to include two classrooms for 30 people each, a kitchen, bunkroom, showers, locker rooms, restrooms, SCBA compressor, ice machine, security system, fiber connection. It has been recommended that a 3 bay, 7,000 sq ft logistics center be constructed with the project. Colocation of the logistics center and classroom facility will allow for efficient use of dual use equipment and infrastructure.

PROJECT OBJECTIVE: To provide critical fire training facilities for firefighters and to provide a reliable source for pumper testing which is a critical ISO requirement.

TOTAL CAPITAL PROJECT COST: $4,500,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017	N/A	FY 2022/FY 2023

PRIOR YEAR BUDGETS: $250,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$10,613	$0	$0	$10,613
General Obligation Bond	$0	$0	$2,239,387	$2,000,000	$0	$4,239,387
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$2,250,000**	**$2,000,000**	**$0**	**$4,250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$2,250,000	$2,000,000	$0	$4,250,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$2,250,000**	**$2,000,000**	**$0**	**$4,250,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$223,939	$418,340	$407,742	$1,050,021
- Utilities, insurance, maintenance	$0	$0	$0	$0	$52,649	$52,649
Total Est Add'l Operational Costs	**$0**	**$0**	**$223,939**	**$418,340**	**$460,391**	**$1,102,670**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **Replacement of Company 3 (Partlow)**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

Area of Partlow and Wallers Road.

PROJECT DESCRIPTION: The current Co. 3 station is owned by a volunteer organization, but is operated and staffed by Spotsylvania County FREM. The building has reached the end of its life cycle and replacement is recommended. 15,000 square feet are estimated for planning purposes.

PROJECT OBJECTIVE: To construct a new fire/rescue station in the area of Partlow Road/Wallers Road to replace the aging Co. 3 building. The existing facility was constructed in the 1980s as a metal building to house equipment, but not as a living space for responders. The project would result in improved living conditions for employees and a more presentable space for the public when they visit the station with various needs.

TOTAL CAPITAL PROJECT COST:

$5,500,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2021	FY 2019	FY 2020 - FY 2021

PRIOR YEAR BUDGETS:

$500,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$2,500,000	$2,500,000	$0	$0	$5,000,000
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$0**	**$5,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$2,500,000	$2,500,000	$0	$0	$5,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$0**	**$5,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$250,000	$493,750	$481,250	$468,750	$1,693,750
- Utilities, insurance, maintenance	$0	$0	$0	$84,962	$87,749	$172,711
Total Est Add'l Operational Costs	**$0**	**$250,000**	**$493,750**	**$566,212**	**$556,499**	**$1,866,461**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **New Fire/Rescue - Company 12 (Massaponax Area)**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

Route 1 corridor - Massaponax Church Road area.

PROJECT DESCRIPTION:

Construction of a new fire station in the area of Massaponax Church Road and Rt. 1. With the threshold of 2,500 total calls per station identified as a benchmark in the County's Comprehensive Plan, the stations that surround the proposed Station 12 are already at or approaching maximum call volume. As the call volume increases, the reliability of units from those stations to respond decreases, while they are committed to other calls for service throughout the County. The addition of a new Co. 12 station would provide relief to the surrounding districts, provide some stability and reliability measures for the area as future developments are built, and would provide a more rapid response of resources to multi-company incidents. 15,000 square feet is estimated for planning purposes. The operational costs shown below beginning in FY 2024 assume a full complement of 15 Firefighter/Medics, 2 Lieutenants, and 1 Captain.

PROJECT OBJECTIVE:

To construct a new fire and rescue station in the Route 1 corridor to provide call relief to the existing station districts.

TOTAL CAPITAL PROJECT COST:

$5,250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019	TBD	FY 2021 - FY 2022

PRIOR YEAR BUDGETS:

$250,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$2,500,000	$2,500,000	$0	$5,000,000
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$5,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$2,500,000	$2,500,000	$0	$5,000,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$5,000,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	18.00	18.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$1,240,000	$1,240,000
- Debt service	$0	$0	$250,000	$493,750	$481,250	$1,225,000
- Utilities, insurance, maintenance	$0	$0	$0	$0	$87,749	$87,749
Total Est Add'l Operational Costs	**$0**	**$0**	**$250,000**	**$493,750**	**$1,808,999**	**$2,552,749**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **Station 6 Renovation and Bunkroom Addition (Salem Church)**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

Existing Co. 6 located on Salem Church Road

PROJECT DESCRIPTION:

Co. 6 has insufficient living areas to support the current staffing needs of the station. This includes insufficient bunkroom space, bathrooms/showers (only 1 shower), and locker rooms. This project will allow for renovation of the existing living area and for the addition of a bunkroom, locker room, and showers to accommodate 12 people. Due to size of property, the project will most likely involve a two story addition/remodel. 5,000 square feet is estimated for planning purposes, but will ultimately be determined by the lot size.

PROJECT OBJECTIVE:

To expand the living support areas to match the station's current staffing level.

TOTAL CAPITAL PROJECT COST:

$1,875,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018	TBD	FY 2019 - FY 2020

PRIOR YEAR BUDGETS:

$675,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$1,200,000	$0	$0	$0	$0	$1,200,000
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$1,200,000**	**$0**	**$0**	**$0**	**$0**	**$1,200,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$1,200,000	$0	$0	$0	$0	$1,200,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,200,000**	**$0**	**$0**	**$0**	**$0**	**$1,200,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	18.00	18.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$108,000	$105,600	$103,200	$100,800	$98,400	$516,000
- Utilities, insurance, maintenance	$0	$26,552	$27,422	$28,321	$29,250	$111,545
Total Est Add'l Operational Costs	**$108,000**	**$132,152**	**$130,622**	**$129,121**	**$127,650**	**$627,545**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **Replacement Fire/Rescue Apparatus**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

Replacement of apparatus at various stations throughout the County.

PROJECT DESCRIPTION: Replacement of various ambulances and fire engines/wagons at various stations due to the expected life cycle of the equipment and mileage on existing apparatus.

PROJECT OBJECTIVE: To replace critical fire and rescue vehicles.

TOTAL CAPITAL PROJECT COST: $14,978,430

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS: on-going

COSTS PROJECTED BEYOND CIP PERIOD: on-going

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$700,000	$1,961,023	$2,662,559	$5,323,582
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$3,132,565	$2,573,113	$2,066,721	$914,274	$813,240	$9,499,913
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$154,935	$0	$0	$0	$0	$154,935
Total Projected/Requested Funding	**$3,287,500**	**$2,573,113**	**$2,766,721**	**$2,875,297**	**$3,475,799**	**$14,978,430**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$3,287,500	$2,573,113	$2,766,721	$2,875,297	$3,475,799	$14,978,430
Total Projected Capital Expenditures	**$3,287,500**	**$2,573,113**	**$2,766,721**	**$2,875,297**	**$3,475,799**	**$14,978,430**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$89,483	$337,572	$668,067	$1,095,122
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$89,483**	**$337,572**	**$668,067**	**$1,095,122**

DEPARTMENT: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **CPR Delivery Devices**

PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Purchase of CPR delivery devices for each transport unit in the County.

PROJECT OBJECTIVE: The CPR delivery devices are designed to give better and continuous chest compressions to cardiac arrest patients.

TOTAL CAPITAL PROJECT COST:

$106,412

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	on-going

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$0	$0	$0
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$46,412	$0	$0	$0	$60,000	$106,412
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$46,412**	**$0**	**$0**	**$0**	**$60,000**	**$106,412**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$46,412	$0	$0	$0	$60,000	$106,412
Total Projected Capital Expenditures	**$46,412**	**$0**	**$0**	**$0**	**$60,000**	**$106,412**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$0	$0
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

Transportation Projects

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

DEPARTMENT: **Planning**

PROJECT NAME: **Improvements to Interchange Exit 118**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

PROJECT DESCRIPTION: Improvements to the roadways and bridge at Exit 118 include a roundabout, new bridge, and improvements to Rt. 606 on either side of the bridge as well as a parallel access road to tie in to Dan Bell Lane. The County has applied and received award of matching project funds through the State's Revenue Sharing Program. This is a VDOT-managed project.

PROJECT OBJECTIVE: Improve the movement of traffic at the Exit 118 interchange and the roads in that area.

TOTAL CAPITAL PROJECT COST: The total cost for the project at Exit 118 is estimated at $40.3 million. $0.9 million is to come from State secondary funding; $4.6 million has been awarded through the State SMART Scale program; and $13.8 million will come from the State's Revenue Sharing program. Only the County's share of project cost is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2015		on-going

PRIOR YEAR BUDGETS: $13,227,359

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$3,230,000	$2,925,020	$0	$0	$6,155,020
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$3,230,000**	**$2,925,020**	**$0**	**$0**	**$6,155,020**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$3,230,000	$2,925,020	$0	$0	$6,155,020
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$3,230,000**	**$2,925,020**	**$0**	**$0**	**$6,155,020**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$323,000	$607,427	$592,039	$576,652	$2,099,118
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$323,000**	**$607,427**	**$592,039**	**$576,652**	**$2,099,118**

DEPARTMENT: **Planning**

PROJECT NAME: **Improvements at Exit 126**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

PROJECT DESCRIPTION: This portion of the 126 project is specific to widening of Rt. 17 from two to four lanes and for bridge replacement.

PROJECT OBJECTIVE: This project will widen existing Rt. 17 to four lanes and will replace the existing structurally deficient Rt 17 bridge under I-95.

TOTAL CAPITAL PROJECT COST: The total cost for this portion of the Exit 126 project is estimated at $20.0 million. $10.2 million has been awarded through the State's SMART Scale Program and $4.9 million will come from the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
		FY 2022

PRIOR YEAR BUDGETS: $1,510,669

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$887,518	$0	$0	$0	$0	$887,518
General Obligation Bond	$2,329,505	$0	$0	$0	$0	$2,329,505
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other (interest earnings)	$182,977	$0	$0	$0	$0	$182,977
Total Projected/Requested Funding	**$3,400,000**	**$0**	**$0**	**$0**	**$0**	**$3,400,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$3,400,000	$0	$0	$0	$0	$3,400,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$3,400,000**	**$0**	**$0**	**$0**	**$0**	**$3,400,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$209,655	$204,996	$200,337	$195,678	$191,019	$1,001,685
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$209,655**	**$204,996**	**$200,337**	**$195,678**	**$191,019**	**$1,001,685**

DEPARTMENT: Planning

PROJECT NAME: Rt. 3 Operational Improvements ("Bump Outs")

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Westbound Rt. 3

PROJECT DESCRIPTION:

Removal of westbound turn lanes (also known as "bump outs") along Rt. 3 from Bragg Road through Salem Church Road intersection. The project requires replacing signal poles and equipment, as well as some paving and grading work. Note that the costs below represent only the County's share of project estimates. The County has applied to the State to receive an equal amount through the State's Revenue Sharing program.

PROJECT OBJECTIVE:

The project increases the number of westbound travel lanes along Rt. 3 by converting turn lanes to travel lanes. This approach minimizes the cost of the project.

TOTAL CAPITAL PROJECT COST:

The total cost for this project is estimated at $5.0 million. $2.38 million has been awarded through the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019	FY 2021	FY 2023

PRIOR YEAR BUDGETS:

$1,000,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$1,622,608	$0	$0	$1,622,608
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$1,622,608**	**$0**	**$0**	**$1,622,608**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$1,622,608	$0	$0	$1,622,608
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$1,622,608**	**$0**	**$0**	**$1,622,608**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$162,261	$158,204	$154,148	$474,613
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$162,261**	**$158,204**	**$154,148**	**$474,613**

DEPARTMENT: Planning

PROJECT NAME: Roundabout at Old Plank Road & Andora Drive

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Intersection of Old Plank Road and Andora Drive

PROJECT DESCRIPTION:

Design, right-of-way, and construction of a roundabout at the current 3-way stop at Old Plank Road and Andora Drive. Note that the costs below represent only the County's share of project estimates. The County has applied to the State to receive an equal amount through the State's Revenue Sharing program.

PROJECT OBJECTIVE:

The project enables more continuous traffic flow at this intersection. Additionally, this project improves access to the County's Chancellor Community Center and will be aligned to accept future development at the location.

TOTAL CAPITAL PROJECT COST:

The total cost for this project is estimated at $3.0 million. $1.5 million will be applied for through the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2021	FY 2022	FY 2023

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$198,162	$0	$0	$0	$198,162
General Obligation Bond	$0	$401,838	$0	$900,000	$0	$1,301,838
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$600,000**	**$0**	**$900,000**	**$0**	**$1,500,000**
Projected Capital Expenditures:						
Land	$0	$375,000	$0	$0	$0	$375,000
Professional Services	$0	$225,000	$0	$0	$0	$225,000
Construction	$0	$0	$0	$900,000	$0	$900,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$600,000**	**$0**	**$900,000**	**$0**	**$1,500,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$40,184	$39,179	$128,175	$124,920	$332,458
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$40,184**	**$39,179**	**$128,175**	**$124,920**	**$332,458**

DEPARTMENT: **Planning**

PROJECT NAME: **Widening of Harrison Road - Old Plank to Gordon**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Harrison Road between Old Plank and Gordon roads. This area is loosely marked by the red line in the picture.

PROJECT DESCRIPTION: This project would complete the widening of Harrison Road from two lanes to four lanes between Rt. 3 and Gordon Road.

PROJECT OBJECTIVE: Currently, there is a bottleneck of traffic where the lanes shift from four lanes down to two, particularly headed towards Rt. 3. The left turn lane off Harrison onto Old Plank is sufficient for only three vehicles to queue, causing through traffic to back up and stop between Gordon and Old Plank.

TOTAL CAPITAL PROJECT COST: The total cost for this project is estimated at $11.2 million. $5.2 million has been awarded through the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019 - FY 2020	FY 2020 - FY 2021	FY 2024

PRIOR YEAR BUDGETS: $2,450,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$26,644	$26,644
General Obligation Bond	$0	$0	$0	$0	$3,523,356	$3,523,356
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$0**	**$3,550,000**	**$3,550,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$0	$3,550,000	$3,550,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$0**	**$3,550,000**	**$3,550,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$0	$0	$352,336	$352,336
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$352,336**	**$352,336**

DEPARTMENT: **Planning**

PROJECT NAME: **Implementation of Findings from Corridor Study - Rt. 1 & Rt. 208**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Rt. 1 and Rt. 208 in Spotsylvania County

PROJECT DESCRIPTION: Implementation of identified necessary safety and operational improvements stemming from a study currently underway for the Rt. 1 and Rt. 208 corridors.

PROJECT OBJECTIVE: Initially, studies of these corridors will identify safety and operational improvements that will help to move traffic more effectively. Then, funding will be used to fix the items identified. It is expected that this project will improve intersections, add and/or lengthen turn lanes, and provide additional travel lanes along the Rt. 1 and Rt. 208 corridors.

TOTAL CAPITAL PROJECT COST: The total cost for this project is expected to be $11.5 million, half of which will be applied for in the future from the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017 - FY 2018	N/A	FY 2022 - FY 2023

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$2,878,750	$2,878,750	$0	$5,757,500
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$0**	**$5,757,500**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$2,878,750	$2,878,750	$0	$5,757,500
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$0**	**$5,757,500**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$287,875	$568,553	$554,159	$1,410,587
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$287,875**	**$568,553**	**$554,159**	**$1,410,587**

DEPARTMENT: **Planning**

PROJECT NAME: **Implementation of Findings from Corridor Study - Rt. 2 & Rt. 17**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Rt. 2 and Rt. 17 in Spotsylvania County

PROJECT DESCRIPTION: Implementation of identified necessary safety and operational improvements stemming from a study currently underway for the Rt. 2 and Rt. 17 corridors.

PROJECT OBJECTIVE: Initially, studies of these corridors will identify safety and operational improvements that will help to move traffic more effectively. Then, funding will be used to fix the items identified. It is expected that this project will improve intersections, add and/or lengthen turn lanes, and provide additional travel lanes along the Rt. 2 and Rt. 17 corridors.

TOTAL CAPITAL PROJECT COST: The total cost for this project is expected to be $11.5 million, half of which will be applied for in the future from the State's Revenue Sharing program. Only the County's share of project costs is shown below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017 - FY 2018	N/A	FY 2022 - FY 2023

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures (County's share only)

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$2,878,750	$2,878,750	$0	$5,757,500
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$0**	**$5,757,500**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$2,878,750	$2,878,750	$0	$5,757,500
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$0**	**$5,757,500**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$287,875	$568,553	$554,159	$1,410,587
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$287,875**	**$568,553**	**$554,159**	**$1,410,587**

DEPARTMENT: **Planning**

PROJECT NAME: **Bring Spotsylvania Parkway in Area of Hospital/Bridge to State Standards**

PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Spotsylvania Parkway

PROJECT DESCRIPTION: Construction of necessary roadway improvements to bring Spotsylvania Parkway in the area of the hospital and bridge to State standards in order for VDOT to accept the roadway into the State system for maintenance.

PROJECT OBJECTIVE: Construction of necessary roadway improvements to bring Spotsylvania Parkway in the area of the hospital and bridge to State standards in order for VDOT to accept the roadway into the State system for maintenance.

TOTAL CAPITAL PROJECT COST:

$621,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2022	N/A	FY 2022

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$621,000	$0	$0	$621,000
Other Type Bonds	$0	$0	$0	$0	$0	$0
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$0	$0	$0	$0
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$621,000**	**$0**	**$0**	**$621,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$621,000	$0	$0	$621,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$621,000**	**$0**	**$0**	**$621,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$0	$0	$0
- Debt service	$0	$0	$62,100	$60,548	$58,995	$181,643
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$62,100**	**$60,548**	**$58,995**	**$181,643**

School Capital Projects

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

School Capital Projects

Renovate & Expand Courtland High School *(FY 20 – FY 24 costs = $10,290,000)*
Renovation of Courtland High School will provide additional capacity for future growth in student enrollment, expansion of labs, and development of specialty/magnet programming.

Renovate & Expand Spotsylvania Middle School *(FY 20 – FY 24 costs = $28,000,000)*
Renovation of Courtland High School will provide additional capacity for future growth in student enrollment.

Transportation (*FY 20 – FY 24 costs = $19,782,752)*
Purchase of replacement and new school buses. Buses are replaced after 15 years for regular transportation needs and 10 years or older for special needs buses. Maintenance and repairs are very expensive for the specially-equipped buses after this time period. Due to changes in technology, it is not uncommon for a shortage or the non-existence of parts to occur after a few years for the special equipment in/on these buses. New emissions standards require replacement of older buses, as well. Vehicles planned for purchase during the course of the five-year CIP period include 127 77-passenger buses and 41 buses for special needs students. Also included is purchase of nine bus engines.

Capital Maintenance (*FY 20 – FY 24 costs = $49,202,500)*
Funding for this project addresses capital maintenance for existing school facilities and includes repair and/or replacement of items such as HVAC systems, roof systems, fire alarm systems, humidity control, resurfacing of parking lots and running tracks, refurbishing bleachers, telephone/intercom systems, flooring/carpeting, painting, replacement of window/door hardware, field unit vehicle replacements, etc.

Technology Replacements/Upgrades (*FY 20 – FY 24 costs = $14,183,734*)
Funding for this project includes but is not limited to the upgrading and/or replacing of computers, switches, cables, servers, blade servers, laptops, controllers, wireless systems, devices, instructional solutions, and enhancing security throughout the school division. An updated technology infrastructure allows staff and parents to access more resources and communicate more effectively utilizing the latest applications.

COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

Utilities Capital Projects

Utilities Capital Projects

General Projects

Utility Lab/Office Expansion (*FY 20 – FY 24 costs = $2,500,000*)
The growth of the Utilities department's Engineering and Field Services Division and laboratory has resulted in a shortage of office, meeting and storage space. The laboratory bench space is not adequate to accommodate current testing that is being performed. These funds will be used for expansion of the existing administrative buildings, equipment storage buildings, and lab.

Telemetry/SCADA for Collection and Distribution Systems (*FY 20 – FY 24 costs = $2,650,000*)
This project implements a Supervisory Control and Data Acquisition (SCADA) system to remotely monitor and evaluate water and sewer transmissions. The SCADA will monitor all pressure control zones providing real time movement of water between the pressure zones and from finish pumps at the water and wastewater treatment plants throughout the system. Additionally, the system will monitor storage tank levels, the rate of fill and system pressure at zone interfaces while assessing sewer pump station functionality on a priority basis.

Manhole Rehabilitation Program (*FY 20 – FY 24 costs = $250,000*)
This program identifies manholes in the collection system with structural deficiencies and/ or inflow and infiltration issues requiring extensive repair. These manholes are found during manhole inspections to identify signs of severe inflow and infiltration issues, or signs of deterioration due to hydrogen sulfide and/or general aging. These manholes will be rehabilitated in place thus minimizing impacts to customer service and the environment while preserving the integrity of the collection system. The upcoming project includes manholes in the Sheraton Hills, Stoneybrooke and Spotslee areas.

System Improvement Opportunities with Developers (*FY 20 – FY 24 costs = $550,000*)
Extension/enlargement of water/sewer lines throughout the County to coincide with local improvements and development.

CMMS & Asset Management Upgrade *(FY 20 – FY 24 costs = $700,000)*
This project will upgrade the Utilities work order and inventory control software.

Utilities Master Plan (*FY 20 – FY 24 costs = $250,000*)
The last update to the Water/Sewer Master plan was 2002. This update to the Master Plan will use the updated land use from the Comprehensive Plan to develop water and sewer demands for the County. These demands will help the Utilities Department plan for future capital and

operational needs. This includes water and wastewater plant expansions, distribution and collection system improvements and changes to pumping and storage.

Water Projects

Tank Maintenance (*FY 20 – FY 24 costs = $225,000*)
Ongoing maintenance of six elevated and two ground storage water tanks. This includes all of the engineering, inspection and construction to complete maintenance and rehabilitation projects to extend the useful life of the County's water storage tanks.

Loren Dr./Harrison Rd. Waterline (formerly Falcon Dr. Ext.) (*FY 20 – FY 24 costs = $400,000*)
This waterline extension project will close a loop between Mine Road and Lafayette Boulevard for improvement of fire flows and water pressure.

Brock Road 16" Waterline (*FY 20 – FY 24 costs = $700,000*)
This project will replace the existing waterline that runs between Brock Road and Jackson Trail West. The existing waterline is aging and difficult to access and maintain. It will run up Brock Road to Brock Road Elementary and down to Jackson Trail West to connect to an existing water line.

Water Meter Replacement Program (*FY 20 – FY 24 costs = $5,000,000*)
This is a preventative maintenance program to install new meters and data collectors within the system based on American Water Works Association (AWWA) regulations and recommended business practices. Proactive maintenance of meters and replacements ensures optimum operating efficiency. Aging meters fail to register accurate water usage, increasing water loss and the loss of usage-based revenue. New software to be implemented as part of this project will give Utilities staff and customers real-time access to water usage data. This is expected to reduce water loss and property damage stemming from leaks. The data will enable Utilities staff to notify customers of excessive water usage up to 30 times faster than they are currently able to do so. This function will reduce operating expenses related to investigating high usage as fewer technician trips to meter locations should be required.

Maple Grove 2" Waterline (*FY 20 – FY 24 costs = $300,000*)
Replacement of 2" water line in Maple Grove subdivision with 6" water lines and fire hydrants.

Rt. 1/Rt. 606 Waterline Improvements (*FY 20 – FY 24 costs = $250,000*)
The project includes upgrade and extension of existing waterlines within the project limits of the proposed VDOT roadway improvements project at Rt. 1 and Route 606/Morris Road.

Calhoun/Kilarney Waterline Connection (*FY 20 – FY 24 costs = $120,000*)
This project involves connection of existing lines for improved flows and redundancy in the area of Calhoun Drive and Kilarney Drive.

12" AC Line Replacements (*FY 20 – FY 24 costs = $700,000*)
This project will replace aging water lines in Catlett Farm and Hilldrup Farm areas with ductile iron lines.

Southpoint 12" Waterline Replacement (*FY 20 – FY 24 costs = $350,000*)
Replacement of existing 12" cast iron water line under Rt. 1 at entrance to Southpoint Parkway.

Waverly Village 2" Line Upgrade (*FY 20 – FY 24 costs = $300,000*)
This project will replace current 2" lines with 6" lines to improve product delivery, fire protection and reduce service interruptions to customers in this area.

Old Greenwich 2" Line Upgrade (*FY 20 – FY 24 costs = $550,000*)
This project will replace current 2" lines with 6" lines to improve product delivery, fire protection and reduce service interruptions to customers in this area.

Thornburg Distribution Improvements (*FY 20 – FY 24 costs = $6,000,000*)
This project will install a second waterline to the Thornburg area. This will allow the Utilities Department to meet fire flow demands for future water uses. It will also provide a redundant feed for current water customers.

Motts Water Treatment Plant Expansion (*FY 20 – FY 24 costs = $32,000,000*)
This project will double the capacity of the Motts Water Treatment Plant from 12 million gallons per day (MGD) to 24 MGD to meet future water demands.

Rt. 1 Waterline Improvements – Cosner to Massaponax (*FY 20 – FY 24 costs = $1,000,000*)
This project will replace a 12" cast iron waterline along Rt. 1 with a 12"/16" waterline. The Jackson Village rezoning requires the developer to replace the portion in front of their property. This project will replace the section of the waterline for which the developer is not responsible.

Rt. 606 West (*FY 20 – FY 24 costs = $1,000,000*)
Waterline betterment improvements to occur between I-95 to Rt. 1 during VDOT's construction of roadway improvements to Rt. 606.

Rt. 17 Waterline Betterment (*FY 20 – FY 24 costs = $250,000*)
Waterline betterment associated with VDOT's Route 17 Roadway and Bridge improvement project (UPC 107140). Includes installation of a 16" waterline under Rt 17 based on recommended project in Utilities Master Plan.

Commonwealth Drive Parking Lot Waterline Betterment (*FY 20 – FY 24 costs = $250,000*)
Waterline betterment associated with VDOT's Commonwealth Drive Parking Lot project (UPC 109474). Includes installation of an 8" waterline into the parking lot and along Filter Lane. This WL will replace a 2" WL on Filter Lane and set up a potential redundant feed for the Commonwealth Office Park.

Pump Station 24 Waterline (*FY 20 – FY 24 costs = $1,500,000*)
This project will replace and upgrade the existing waterline from Jackson Trail east to Hilldrup farm. The existing 12" AC waterlines will be replaced with a 16" ductile Iron water mains.

Tidewater Trail Waterline – Ruffins Pond to New Post (*FY 20 – FY 24 costs = $1,125,000*)
Waterline improvements on Route 2 from Ruffins Pond to New Post to provide redundancy and increase water quality.

Fawn Lake Tank & Booster Station (*FY 20 – FY 24 costs = $2,200,000*)
This project includes improvements for the Fawn Lake Pressure Zone to improve reliability, increase fire flows and help resolve low pressures. The project will consist of a water ground storage tank and associated pump station located to the southwest of the Fawn Lake subdivision. This will be a shared project with developers to meet existing and proposed demands.

Sewer Projects

The 2019 Spotsylvania County Water and Sewer Master Plan identifies the need to expand treatment capacity at the Massaponax Wastewater Treatment Plant by 2025 to meet the current 1% annual growth rate. The expansion of the Massaponax Plant will require the decommissioning of the FMC Wastewater Treatment Plant to allow regulatory consolidation as it relates to nutrient discharge limits on the Rappahannock River. The decommissioning of the FMC Plant will have regional impacts as City of Fredericksburg uses the plant as a relief point for the City Wastewater Plant. The City of Fredericksburg will need to determine if their plant should be expanded or decommissioned by conveying flows to the Massaponax Plant. High level planning and discussions indicate that full decommissioning of both the City Wastewater Plant and the FMC Wastewater Plant will be more cost efficient to both the City and the County.

The FY 2020 – FY 2024 CIP has been developed to reflect the decommissioning of the FMC Plant and City Wastewater Plants. Should an agreement not be reached between governing bodies as it relates to wastewater transfer, the CIP will be revisited to reflect only FMC decommissioning.

Improvements will be designed to convey County wastewater flows from the City and FMC WWTPs to the Massaponax WWTP for treatment. All improvements can be designed to include City flows. Inclusion of flows from the City and sharing the costs of improvements will lower overall County costs. The following projects are planned improvements needed to meet future demands in conjunction with the situation described above:

- **FMC Infrastructure Improvements** *(FY 20 – FY 24 costs = $3,000,000)*
  This project is expected to be a shared project with the City of Fredericksburg. This project includes improvements to the FMC WWTP to replace aging infrastructure. This

will ensure the plant continues to operate efficiently and remains in compliance with all regulations until it reaches the end of its useful life.

- **Massaponax Wastewater Treatment Plant Expansion** (*FY 20 – FY 24 costs = $58,200,000*)
  This project is expected to be a shared project with the City of Fredericksburg. The project will expand the Massaponax WWTP to treat all County wastewater flow except for the Thornburg service area, and all of the City's wastewater flow. This will allow for the decommissioning of the City and FMC WWTPs. The Massaponax WWTP is a state of the art WWTP and is capable of treating wastewater to a much higher level compared to the FMC WWTP.

- **FMC Decommissioning/Industrial Pump Station** (*FY 20 – FY 24 costs = $5,200,000*)
  This project is expected to be a shared project with the City of Fredericksburg. The project will decommission the FMC WWTP once the Massaponax WWTP expansion is complete.

- **FMC to Massaponax Wastewater Treatment Plant Conveyance** (*FY 20 – FY 24 costs = $15,500,000*)
  This project is expected to be a shared project with the City of Fredericksburg. This project is to complete improvements that will convey wastewater flows from the City and FMC WWTPs to the Massaponax WWTP. This will include new pump stations at City and FMC WWTPs as well as a new forcemain and gravity sewer.

Collection System Extensions (*FY 20 – FY 24 costs = $250,000*)
Extension of sanitary sewers into existing developments without public sewer and/or into areas with failing septic systems.

Pump Station 24 Relocation (*FY 20 – FY 24 costs = $2,200,000*)
This project will replace an existing, aging, underground pump station, moving it across the Ni River off National Park Service property and replacing two other pump stations with gravity sewer.

Lafayette Crossing Pump Station Abandonment (*FY 20 – FY 24 costs = $400,000*)
This project is for the abandonment of a pump station behind Lafayette Village that could flow to existing sewer lines through gravity. A portion of the sewer line would have to be built through National Park Service land.

Elimination of Pump Stations 3 & 6 (*FY 20 – FY 24 costs = $350,000*)
This project is planned to eliminate two pump stations by constructing a gravity line to a new down-gradient pump station.

Fawn Lake Pump Stations 27 & 58 (*FY 20 – FY 24 costs = $1,620,000*)
This project will rebuild pump station 58 and eliminate pump station 27 by constructing a gravity line to pump station 58.

Thornburg Wastewater Treatment Plant Upgrade (*FY 20 – FY 24 costs = $8,500,000*)
The project will replace the existing Thornburg WWTP with a new, state-of-the-art facility that will meet future water quality regulations. The new plant will be more efficient and will be able to meet increased wastewater processing demands in the Thornburg area without an increase in the facility's footprint.

Infiltration & Inflow (I&I) Program (*FY 20 – FY 24 costs = $500,000*)
This funding will allow for the development and implementation of a system wide program to efficiently locate, assess, and repair sources of infiltration and inflow. The goal of the program is to reduce impact of I&I on collection system capacity and minimize the occurrence of SSOs associated with excessive I&I.

Flow Metering (*FY 20 – FY 24 costs = $200,000*)
This funding will allow for installation of flow meters in the collection system to monitor flow throughout the system and identify problem areas to eliminate infiltration and inflow (I&I) into the sewer system throughout the County. The goal is to lower the overall I&I entering the system and treated by the wastewater treatment plants.

Old Greenwich Sewer Replacement – Phase 5 (*FY 20 – FY 24 costs = $800,000*)
This project involves replacement of failing sewer infrastructure at the Old Greenwich townhouses.

Deep Run Pump Station Rehabilitation (*FY 20 – FY 24 costs = $2,870,000*)
The rehabilitation projects will increase the capacity and reliability of the Deep Run pump station to enable the station to pump an increased sewer flow from the FMC and City WWTPs to the Massaponax WWTP.

Wishner Pump Station/Force Main (*FY 20 – FY 24 costs = $650,000*)
This project will include rerouting and extending the force main to discharge sewer downstream to a gravity sewer that has the capacity to handle increased flows. The pump station will also be upgraded in the future to handle the increasing sewer flows due to new developments.

Grantwood Acres Interceptor (Chancellor Elementary) (*FY 20 – FY 24 costs = $300,000*)
Lining of the sewer line behind Grantwood Acres subdivision from Route 3 to Old Plank Road due to deterioration of the line over time.

Thornburg Collection System Improvements (*FY 20 – FY 24 costs = $150,000*)
This funding will allow for the rehabilitation of sanitary sewer in the Thornburg sewershed. Aging infrastructure and deteriorating pipe liner has caused excessive I&I and continued debris issues at the Thornburg WWTP.

Gateway Business Park Pump Station (*FY 20 – FY 24 costs = $75,000*)
This Project will abandon common forces mains in the business park with gravity mains and one pump station to handle development in the business park.

Rt. 606 West (*FY 20 – FY 24 costs = $200,000*)
Sewer Line betterment improvements to occur between I-95 to Rt. 1 during VDOT's construction of roadway improvements to Rt. 606.

Replacement Equipment – Field Services (*FY 20 – FY 24 costs = $1,235,000*)
This project includes funding to replace significant equipment used in operations of the water and sewer system.

Replacement Equipment – Composting (*FY 20 – FY 24 costs = $1,700,000*)
This project includes funding to replace significant equipment used in the composting operation.

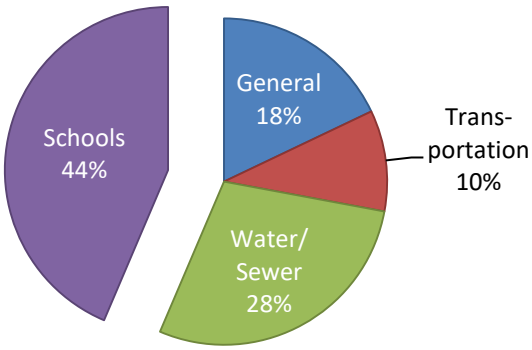
COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

Debt Service

Spotsylvania County is responsible for outstanding debt remaining on various financings undertaken for the purpose of funding general County projects, School projects, transportation projects, and water and sewer projects. Total existing debt that will be outstanding in all funds as of June 30, 2019 is $382.7 million and is broken down as follows:

Debt Type	Balance – June 30, 2019
General projects	$68.6 M
Transportation projects*	$38.3 M
Water and sewer projects	$109.0 M
School projects	$166.8 M
Total	**$382.7 M**

* Excludes bonds issued for transportation projects for which Special Service District taxes are in place to *fully* fund the debt service.



Counties in Virginia are not subject to legal debt limits. However, Spotsylvania's financial policies include the following debt guidelines related to debt for County, School, and transportation projects:

- Net debt as a percentage of estimated taxable market value should not exceed 3%;
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 12%. The County will work towards reducing this ratio to not more than 10% by the end of FY 2025; and
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 65% at the end of each adopted CIP.

An assessment of these ratios relative to existing debt and debt anticipated based on the Recommended CIP begins on page 147.

Separate from the debt guidelines outlined above for County, School, and transportation projects are the County's debt guidelines for Utilities projects. These Utilities debt guidelines are as follows:

- The Utilities Fund balance must be at least 100% of the average of total revenues for the last three years;
- Revenues remaining after operational expenditures other than debt service must be sufficient to cover debt service 1.3 times; and
- Operating revenues as a percent of operating expenditures including debt service must be at least 100%.

Additionally, the financial policies include a referendum policy which requires financings related to construction projects to be approved through voter referendum prior to the issuance of debt unless such projects are financed through revenue-supported mechanisms (i.e., water/sewer revenue bonds).

The 2001, 2005 and 2006 voter-approved referenda authorized the County to borrow a total of $372.0 million for purposes of fire/rescue station construction and equipment purchases, transportation projects, library and parks projects, public safety and general government purposes, and school construction and technology purchases. $259.9 million was borrowed against this referenda authority. The balance - $112.1 million – will remain unissued because the time limit for legal issuance has expired.

In 2014, a voter-approved referendum authorized the County to borrow a total of $241.4 million to fund public safety, transportation and school capital projects. At the end of FY 2020, it is estimated that $125.4 million will have been borrowed against this referendum authority.

The following table shows the potential impact on the tax rate stated at the time of each referendum:

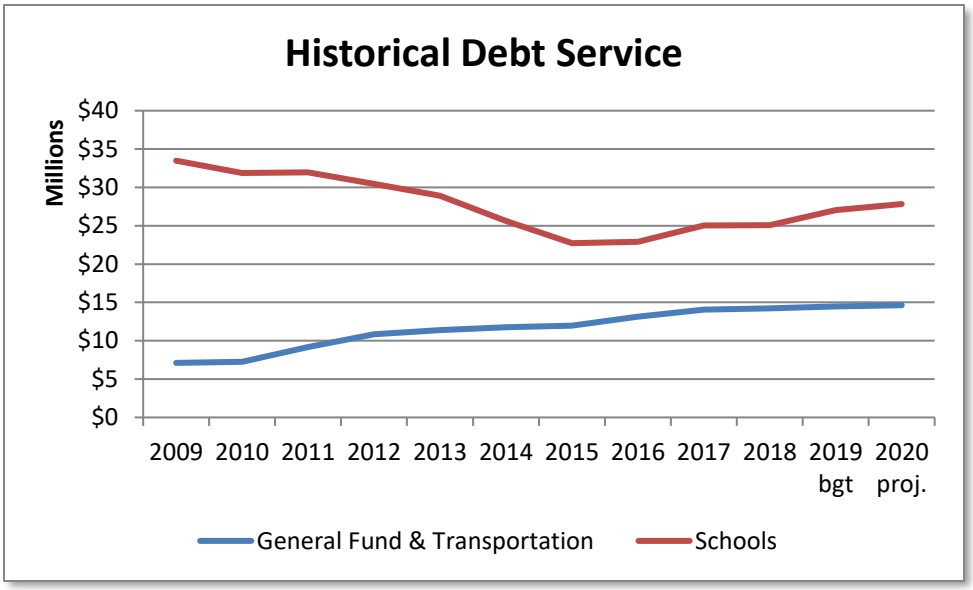
Referendum	Purpose	Potential Tax Rate Impact*
2001	Fire/Rescue	$0.05 per $100
2005	Transportation	$0.10 per $100
2005	Library & Parks	$0.01 per $100
2005	Public Safety	$0.06 per $100
2005	Schools	$0.05 per $100
2006	Schools	$0.04 per $100
2014	Public Safety	$0.03 per $100
2014	Transportation	$0.05 per $100
2014	Schools	$0.11 per $100
		$0.50 per $100

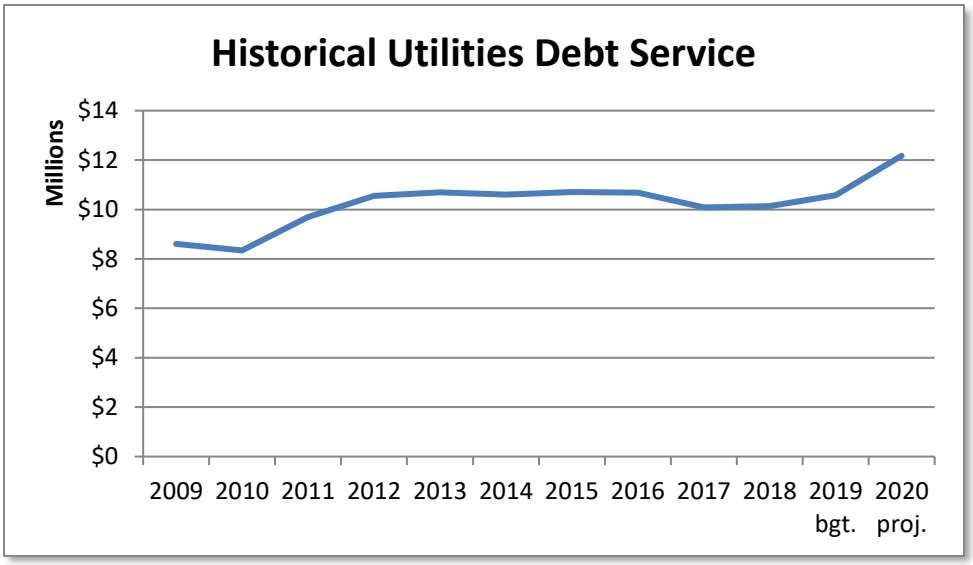
* This is the potential tax rate impact identified in materials distributed at the time of the referenda. Tax rate impact calculations were based on the value of one penny on the real property tax rate at the time of the referenda.

There have been two previous tax rate increases specifically tied to repayment of the debt service associated with these borrowings:

- A $0.02 tax rate increase in calendar year 2005 for the purpose of funding fire/rescue debt service; and
- A $0.01 tax rate increase in calendar year 2010 was approved for general County debt service.

The following graphs show historical debt service for the combined General and Transportation Funds and School and for Utilities debt service. The Historical Debt Service graph excludes bonds issued for transportation projects for which Special Service District taxes are in place to fully fund the debt service.





Following are the amortization schedules for general, transportation, schools, and utilities debt. Each schedule shows existing debt service. The schedules also include the projected debt service associated with a combined $34.4 million planned for issuance in Summer 2019 for the Animal Shelter renovations and expansion; CAD system upgrades; Co. 6 bunkroom addition and renovations; improvements at Exit 126 – Rt. 17 widening and bridge; renovation and expansion of Courtland High School; and various school capital maintenance, technology and bus replacements.

General and Transportation Debt

TOTAL GENERAL & TRANSPORTATION DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt[1]		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$9,553,679	$4,500,960	$366,732	$208,612	$9,920,412	$4,709,572
2021	9,643,588	4,094,807	366,732	195,627	10010320	4,290,434
2022	9,746,894	3,650,421	366,732	182,642	10113626	3,833,063
2023	9,870,871	3,199,150	366,732	169,657	10237603	3,368,807
2024	9,575,437	2,744,600	366,732	156,672	9942169	2,901,272
2025	9,267,240	2,297,346	366,732	143,687	9633972	2,441,033
2026	9,280,760	1,936,867	366,732	130,702	9647492	2,067,569
2027	9,225,089	1,583,022	226,379	117,717	9451468	1,700,739
2028	5,551,275	1,213,782	226,379	108,662	5777654	1,322,444
2029	5,366,275	970,388	226,379	99,607	5592654	1,069,995
2030	5,291,275	731,308	226,379	90,552	5517654	821,860
2031	3,431,275	526,978	226,379	81,496	3657654	608,474
2032	3,126,698	398,058	226,379	72,441	3353077	470,499
2033	2,536,026	280,795	226,379	63,386	2762405	344,181
2034	2,249,814	184,023	226,379	54,331	2476192	238,354
2035	1,749,456	95,902	226,379	45,276	1975835	141,178
2036	520,000	40,463	226,379	36,221	746379	76,683
2037	305,000	25,481	226,379	27,165	531379	52,647
2038	275,000	15,538	226,379	18,110	501379	33,648
2039	275,000	5,500	226,379	9,055	501379	14,555
2040	0	0	0	0	0	0
	$106,840,654	**$28,495,387**	**$5,510,050**	**$2,011,619**	**$112,350,704**	**$30,507,006**

[1] Excludes bonds issued for transportation projects for which Special Service District taxes are in place to fully fund the debt service.

School Debt

TOTAL SCHOOLS DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$18,167,780	$6,683,152	$1,869,870	$1,096,557	$20,037,649	$7,779,709
2021	17,860,386	5,862,028	1,869,870	1,028,976	19730256	6,891,004
2022	17,494,106	5,043,692	1,869,870	961,394	19363976	6,005,086
2023	16,036,128	4,264,570	1,869,870	893,812	17905998	5,158,382
2024	13,177,563	3,590,377	1,869,870	826,231	15047433	4,416,608
2025	13,013,760	3,060,339	1,869,870	758,649	14883630	3,818,988
2026	12,874,240	2,575,262	1,869,870	691,067	14744110	3,266,329
2027	12,770,911	2,124,846	1,421,081	623,486	14191992	2,748,332
2028	10,069,724	1,534,067	1,421,081	568,470	11490806	2,102,537
2029	8,717,724	1,178,700	1,421,081	513,455	10138806	1,692,154
2030	6,739,724	858,411	1,421,081	458,439	8160806	1,316,850
2031	5,923,724	640,370	1,421,081	403,424	7344806	1,043,794
2032	2,693,302	456,325	1,088,775	348,408	3782077	804,733
2033	2,362,704	364,476	1,088,775	304,857	3451479	669,333
2034	2,090,186	281,423	1,088,775	261,306	3178961	542,729
2035	1,780,544	212,059	1,088,775	217,755	2869319	429,814
2036	1,550,000	154,940	1,088,775	174,204	2638775	329,144
2037	1,550,000	105,278	1,088,775	130,653	2638775	235,931
2038	980,000	55,370	1,088,775	87,102	2068775	142,472
2039	980,000	19,600	1,088,775	43,551	2068775	63,151
2040	0	0	0	0	0	0
	$166,832,506	**$39,065,283**	**$28,904,696**	**$10,391,797**	**$195,737,202**	**$49,457,080**

Utilities Debt

TOTAL UTILITIES DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2020	$5,903,000	$4,665,387	$535,620	$1,074,150	$6,438,620	$5,739,537
2021	6,111,000	4,423,302	559,722	1,050,047	6,670,722	5,473,349
2022	6,383,000	4,149,217	584,910	1,024,860	6,967,910	5,174,077
2023	6,650,000	3,859,794	611,231	998,539	7,261,231	4,858,333
2024	6,937,000	3,556,279	638,736	971,033	7,575,736	4,527,312
2025	7,233,000	3,249,648	667,479	942,290	7,900,479	4,191,938
2026	7,522,000	2,928,379	697,516	912,254	8,219,516	3,840,633
2027	5,270,000	2,572,192	728,904	880,865	5,998,904	3,453,057
2028	5,457,000	2,362,094	761,705	848,065	6,218,705	3,210,159
2029	5,657,000	2,144,132	795,982	813,788	6,452,982	2,957,920
2030	5,845,000	1,922,808	831,801	777,969	6,676,801	2,700,777
2031	6,052,000	1,694,288	869,232	740,538	6,921,232	2,434,825
2032	6,272,000	1,452,213	908,347	701,422	7,180,347	2,153,635
2033	4,670,000	1,205,880	949,223	660,547	5,619,223	1,866,427
2034	4,819,000	1,027,587	991,938	617,832	5,810,938	1,645,419
2035	4,977,000	843,344	1,036,575	573,194	6,013,575	1,416,538
2036	3,815,000	647,642	1,083,221	526,549	4,898,221	1,174,190
2037	3,955,000	479,691	1,131,966	477,804	5,086,966	957,495
2038	1,750,000	305,573	1,182,905	426,865	2,932,905	732,438
2039	1,815,000	207,363	1,236,135	373,634	3,051,135	580,998
2040	1,880,000	105,506	1,291,761	318,008	3,171,761	423,514
2041	0	0	1,349,891	259,879	1,349,891	259,879
2042	0	0	1,410,636	199,134	1,410,636	199,134
2043	0	0	1,474,114	135,655	1,474,114	135,655
2044	0	0	1,540,449	69,320	1,540,449	69,320
2045	0	0	0	0	0	0
	$108,973,000	**$43,802,321**	**$23,870,000**	**$16,374,240**	**$132,843,000**	**$60,176,561**