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.

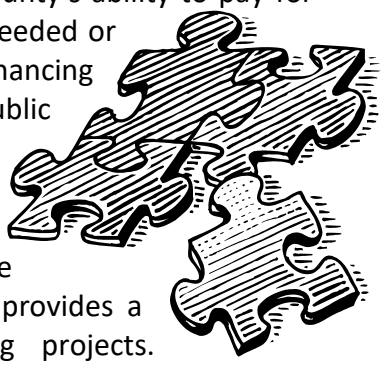
As Spotsylvania County maintains its facilities and other capital resources, we will continue to face additional capital needs along with increasing operational costs. Funding for capital projects may come from operating revenues or, as is often the case, from the sale of bonds or through other financing 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 2019 transfer of 3.75% of General Fund Revenues. Future annual transfers will increase by an additional one-quarter percent annually until the goal is met.

- **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.

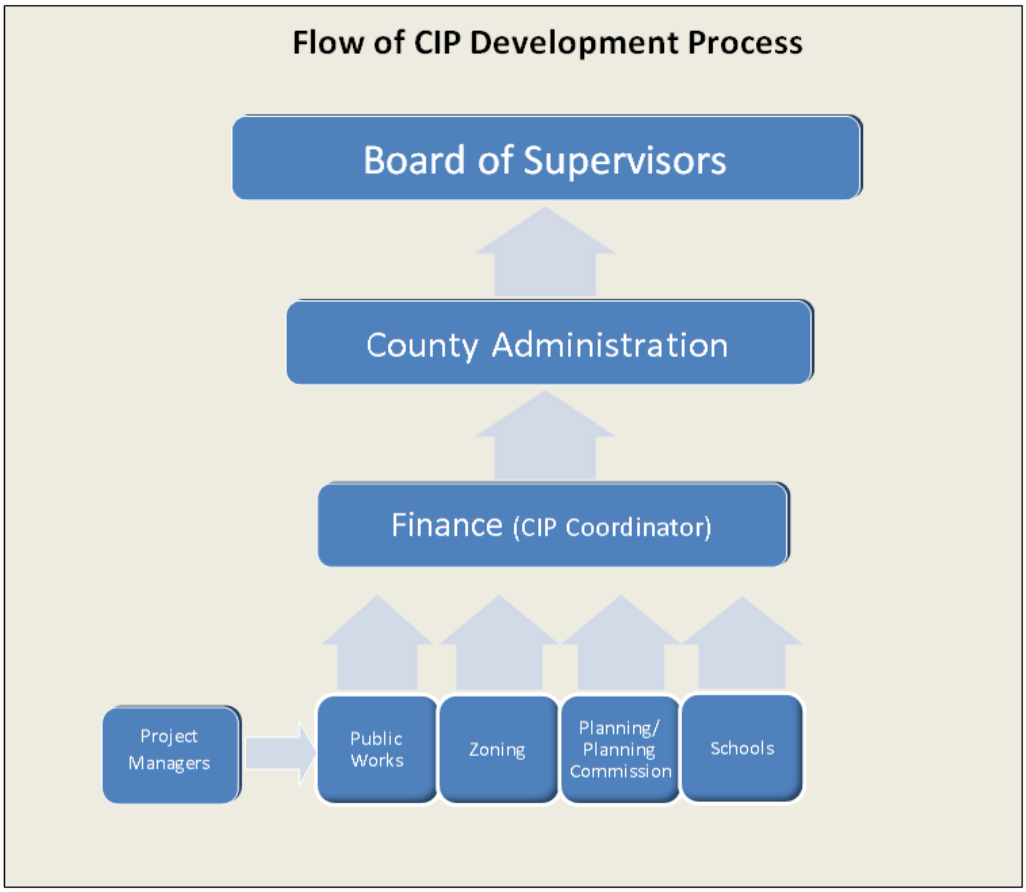
- **Special Assessments –** This method of financing is commonly applied to public works improvements that provide benefits to specific property owners but may not to others. For example, street, drainage or utility projects which benefit a particular area.

- **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 Recommended 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 2019 – FY 2023 CIP Development Calendar

October 27, 2017	Project managers submit project requests/revisions to Finance Department
November 28, 2017	Schools submit Schools' Draft CIP to Finance
Early December 2017	County Administrator makes final decisions on projects to include in Recommended CIP
By December 8, 2017	Finance ensures debt service and operating costs for FY 2019 projects are included in Recommended Budget
January 2018	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
February 7, 2018	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
February 13, 2018	Schools submit Schools' Approved CIP to Finance
February 13, 2018	Presentation of County Administrator's FY 2019 Recommended Budget and FY 2019 – FY 2023 CIP to Board of Supervisors
February 20, 2018	CIP work session included as part of budget work session
March 27, 2018	CIP work session included as part of budget work session
March 29, 2018	Budget, Tax Rate, and CIP public hearings – Massaponax High School
April 10, 2018	Board's final approval of draft FY 2019 – FY 2023 CIP
April 12, 2018	Adoption of FY 2019 Budget, CIP and 2018 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.

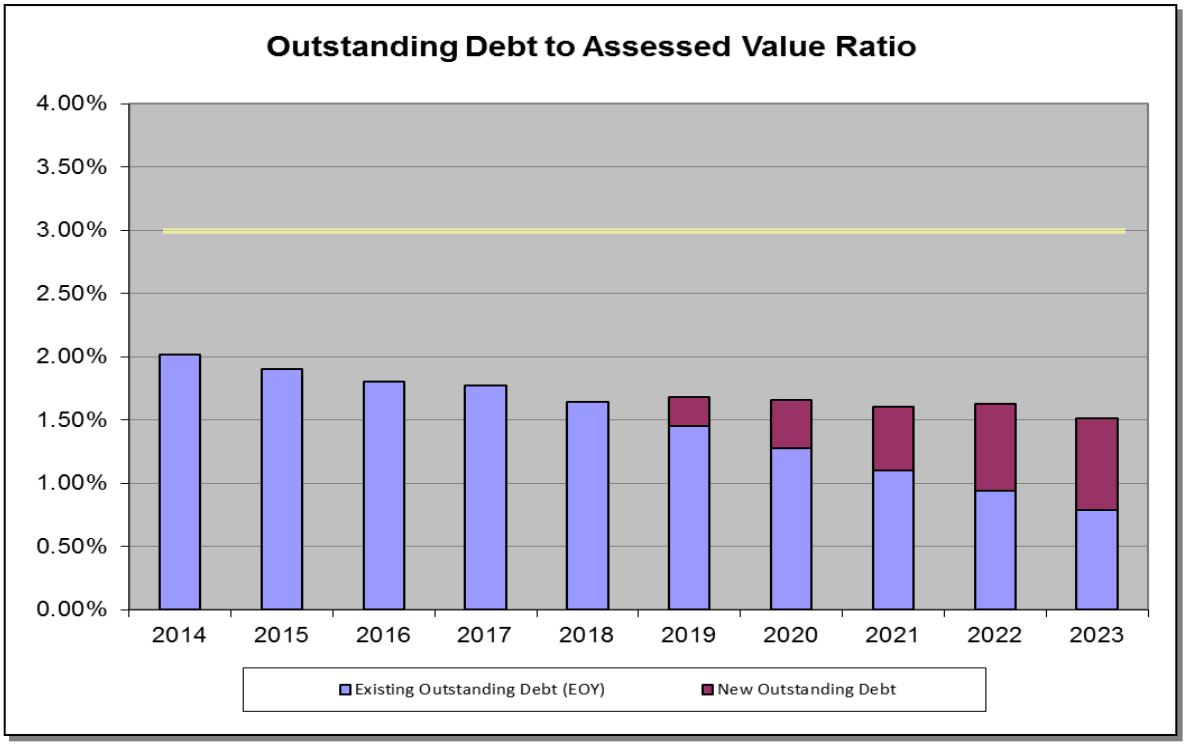
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 65% at the end of each adopted CIP.

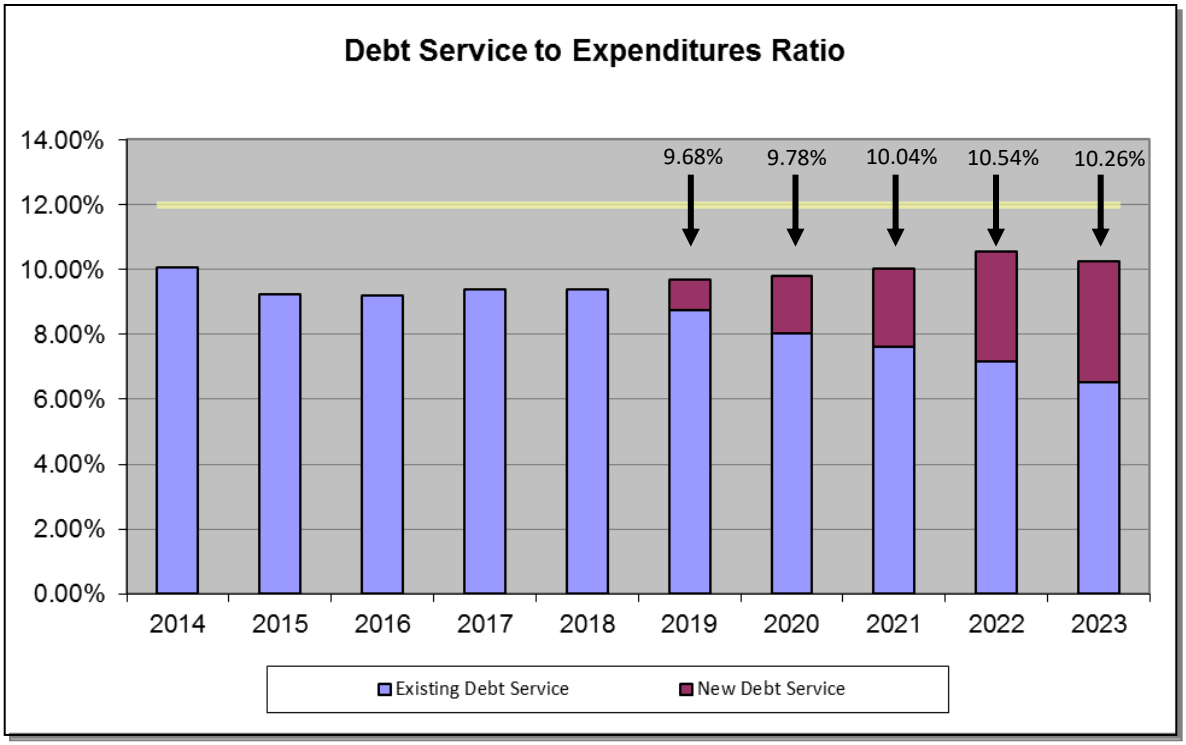
As staff prepared the CIP financial analysis to assess the ratios noted above, the following ***assumptions*** were in place for budget purposes. The actual terms for which bonds are issued will be fine-tuned to more accurately align with the useful lives of projects ahead of the Summer bond issuance.

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 2.25%/2.75%/3.75% for 7/12/20 year bonds for the Summer 2018 issuance and is fixed at 3.25%/3.75%/5.00% for each 7/12/20 year issuance thereafter.

The graphs on the following page indicate that the revised FY 2019 – FY 2023 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 2019, including the financings to be issued in Summer 2018, total general debt outstanding is estimated at $306.4 million. At the end of FY 2028 – ten fiscal years beyond FY 2019 – the County will have repaid $245.2 million (80.0%) of the debt outstanding at the beginning of FY 2019.

10-Yr Payout Ratio (must be > 65%)	
FY	**Payout Ratio**
FY 2019	80.0%
FY 2020	81.4%
FY 2021	82.1%
FY 2022	81.1%
FY 2023	81.3%

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 2019, the transfer is budgeted at $9.8 million, or 3.75% of General Fund revenues. Additionally, $8.0 million is transferred from the General Fund balance to the Capital Projects Fund to cash fund additional capital projects, the single largest of which is the $9.0 million construction of a new building in the Courthouse area to house the Department of Social Services and the Health Department.

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 2019	FY 2020	FY 2021	FY 2022	FY 2023
Electricity Per Square Foot	$1.27	$1.32	$1.37	$1.42	$1.48
Heating Fuel Per Square Foot	0.01	0.01	0.01	0.01	0.01
W/S Per Square Foot	0.05	0.05	0.05	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	3.48	3.58	3.69	3.80	3.91

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 2019 – FY 2023 CIP may have in the near future. The operating impacts occurring in FY 2019 are included in the Recommended Budget.

Projects/Type	FY 2020	FY 2021	FY 2022	FY 2023
General Government Projects				
Debt Service	$931,684	$1,394,428	$2,070,046	$2,572,598
Utilities/Maintenance/Insurance/Fuel	128,004	435,215	526,801	539,943
Parks & Recreation Projects				
Utilities/Maintenance/Insurance/Fuel	0	0	12,144	12,751
Fire & Rescue Projects				
Debt Service	659,304	1,362,476	2,133,944	2,078,059
Personnel (new station)	0	0	1,250,000	1,285,000
Utilities/Maintenance/Insurance/Fuel	0	0	81,446	168,220
Transportation Projects				
Debt Service	535,484	1,061,143	2,829,856	3,335,598
School Projects				
Debt Service	5,503,225	6,921,041	8,148,311	9,186,911
Total				
Debt Service	7,629,697	10,739,088	15,182,156	17,173,165
Personnel	0	0	1,250,000	1,285,000
Utilities/Maintenance/Insurance/Fuel	128,004	435,215	620,391	720,914
Total	**$7,757,701**	**$11,174,303**	**$17,052,547**	**$19,179,079**

The following table shows the potential impact that implementation of the FY 2019 – FY 2023 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 equalized real estate tax rate of $0.8164 per $100 of assessed value 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 2019, 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 2019 Budget*.

FY 2019 – FY 2023 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
2019	$1,462,601	$0	$0.000	$0.000	$0	$0.000	$0.000	$0.000	$0.000
2020	1,488,928	996,301	0.007	0.007	128,004	0.001	0.001	0.008	0.008
2021	1,515,729	2,788,006	0.018	0.012	435,215	0.003	0.002	0.021	0.014
2022	1,543,012	5,825,574	0.038	0.019	1,870,391	0.012	0.009	0.050	0.029
2023	1,570,786	5,354,622	0.034	-0.004	2,005,914	0.013	0.001	0.047	-0.003
				$0.034			**$0.013**		**$0.047***

*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 4.7 cents on the real property tax rate by FY 2023 to pay the costs of added debt service and operating costs. Over the five year period, 72% of the added costs are associated with debt service while the remaining 28% 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 147. Additionally, estimated annual operating costs including the debt service associated with each project are displayed in the project summary section beginning on page 175.

FY 2019 Capital Projects

The capital projects budgets for FY 2019 total $56.7 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 2018 to fund certain County and Schools capital projects for FY 2019. 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 Funds. However, neither debt proceeds nor project expenditures associated with the financings for County capital projects are included in the FY 2019 Recommended Budget. Upon finalizing the financing of the FY 2019 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 2019 General Fund, Transportation Fund and School Operating Fund budgets.

The following table lists the capital projects, transfers and capital projects related staffing costs recommended for FY 2019:

Project	Frequency*	FY 2019 Project Cost	FY 2019 Budget	To Be Financed
General Government Facilities:				
Facility Asset Management Program	R	$1,579,150	$1,579,150	$0
Replacement Vehicles	R	1,221,742	1,221,742	0
Animal Shelter Renovation & Expansion	N	2,153,333	157,193	1,996,140
Office Building – DSS and Health Department	N	1,200,000	1,200,000	0
General Government Facilities Total		**$6,154,225**	**$4,158,085**	**$1,996,140**
Information Technology:				
Computer Aided Dispatch System Replacement	N	$2,100,000	$727,349	$1,372,651
Tone Paging System	N	325,000	325,000	0
Replacement Computers & Servers	R	652,575	652,575	0
Financial & HR System Upgrade	N	1,326,100	1,326,100	0
Replace Treasurer's Legacy System	N	600,000	600,000	0
Cloud Strategy Implementation	N	250,000	250,000	0
ArcGIS Platform Implementation	N	200,000	200,000	0
VITA Base Mapping Program	N	200,000	200,000	0
Trakit-9 Migration-upgrade for CRW	N	200,000	200,000	0
Information Technology Total		**$5,853,675**	**$4,481,024**	**$1,372,651**
Solid Waste:				
Convenience Center Paving	R	$50,000	$50,000	$0
Livingston Landfill Development	N	200,975	200,975	0
Refuse Disposal Equip Replacement	R	100,000	100,000	0
Refuse Collection Equip Replacement	R	490,000	490,000	0
Solid Waste Total		**$840,975**	**$840,975**	**$0**
Parks & Recreation:				
Regrading & Fence Replacement at Parks	N	$367,100	$367,100	$0
Parking & Drainage Repairs	N	300,000	300,000	0
Basketball Court Repairs & Resurfacing	N	119,400	119,400	0
Parks & Recreation Total		**$786,500**	**$786,500**	**$0**
Fire/Rescue:				
New Company 12 Station	N	$500,000	$500,000	$0
Replacement of Company 3 Station	N	250,000	250,000	0
Replacement Fire Equipment	R	2,619,102	2,619,102	0
Replacement EMS Equipment	R	873,496	873,496	0
CPR Delivery Devices	N	78,600	78,600	0
IV Pumps for Ambulances	N	80,000	80,000	0
Retrofit Ambulances with Liquid Springs	N	120,000	120,000	0
Fire/Rescue Total		**$4,521,198**	**$4,521,198**	**$0**

Project	Frequency*	FY 2019 Project Cost	FY 2019 Budget	To Be Financed
Transportation:				
Exit 118 Improvements	N	$3,251,053	$197,230	$3,053,823
Rt. 3 Operational Improvements	N	1,000,000	0	1,000,000
Roundabout – Old Plank & Andora	N	600,000	0	600,000
Bloomsbury Road Improvements	N	600,000	0	600,000
Right Turn at Lansdowne onto Rt. 2	N	1,000,000	0	1,000,000
Study for Revitalization of Rt. 1	N	65,000	65,000	0
Transportation Total		**$6,516,053**	**$262,230**	**$6,253,823**
Schools:				
Renovate & Expand Courtland High School	N	$18,500,000	$0	$18,500,000
Transportation Buses	R	4,258,838	0	4,258,838
Capital Maintenance	R	4,635,500	0	4,635,500
Technology Replacements/Upgrades	R	3,405,580	0	3,405,580
Schools Total		**$30,799,918**	**$0**	**$30,799,918**
Utilities:				
Thornburg WW Treatment Plant Upgrade	N	$5,000,000	$5,000,000	$0
Hazel Run Pump Station	N	4,451,756	4,451,756	0
Replacement Equipment – Heavy Vehicles	R	496,695	496,695	0
Utilities Total		**$9,948,451**	**$9,948,451**	**$0**
Other:				
Capital Projects Management (personnel & op.)		$287,914	$287,914	$0
Transfer to General Fund		283,121	283,121	0
Transfer to Utilities Operating Fund		120,000	120,000	0
Transfer to Transportation Fund		174,186	174,186	0
Other Total**		**$865,221**	**$865,221**	**$0**
Total FY 2019 Capital Projects Funds		**$66,286,216**	**$25,863,684**	**$40,422,532**
FY 2019 Capital Budget Including Schools' Financed Projects***				**$56,663,602**

***"**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 175 – 185.

*****Differs from figures on pages 12 and 31 because all operating, personnel and transfers out are included here.

New Non-recurring Capital Projects

Several new non-recurring projects are included in the FY 2019 - FY 2023 CIP for the first time. The non-recurring projects listed in the following table include repair and replacement of aging or unsafe infrastructure, technology upgrades, and construction related to a new DSS and Health Department building, transportation project, and water/sewer infrastructure.

Non-Recurring Project Name	Estimated Expenditures FY 2019—FY 2023		Page in Budget
	Capital	Operating	
Capital Projects			
Office Building – DSS and Health Department	$9,000,000	$409,980	pg. 197
Cloud Strategy Implementation	500,000	TBD	pg. 206
Business Tax Software Upgrade	100,000	0	pg. 207
ArcGIS Platform Implementation	200,000	0	pg. 209
Loriella Park Lighting Replacement – Phase I	515,000	0	pg. 223
Basketball Court Repairs & Resurfacing	119,400	0	pg. 224
IV Pumps for Ambulances	80,000	0	pg. 230
Retrofit Ambulances with Liquid Springs	120,000	0	pg. 231
Rt. 3 Operational Improvements	2,500,000	857,500	pg. 237
Roundabout – Old Plank & Andora	1,500,000	514,500	pg. 238
Bloomsbury Road Improvements	600,000	251,250	pg. 242
Right Turn Lane and Lansdowne onto Rt. 2	1,000,000	418,750	pg. 243
Study for Revitalization of Rt. 1	65,000	0	pg. 244
Utilities Capital Projects			
Utilities Master Plan	$250,000	$0	pg. 251
Motts Water Treatment Plant Expansion	40,000,000	2,408,051	pg. 252
Thornburg Distribution Improvements	5,000,000	661,082	pg. 252
Rt. 1/Rt. 606 Waterline Improvements	250,000	0	pg. 253
Rt. 1 Waterline Improvements – Cosner to Mass.	500,000	0	pg. 253
Rt. 606 West	1,000,000	0	pg. 253
Thornburg Wastewater Treatment Plant Upgrade	11,000,000	1,651,329	pg. 254
Deep Run Pump Station Rehab	1,100,000	5,160	pg. 254
Flow Metering	300,000	0	pg. 255
Hazel Run Pump Station	8,451,756	0	pg. 255
FMC Decommissioning/Industrial Pump Station	1,700,000	82,566	pg. 255
Massaponax WW Treatment Plant Expansion	47,000,000	2,760,348	pg. 255

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 October 2017 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 170.

- Upon full build-out of the potential new development, there will be County-wide capacity to respond to an additional 6,318 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 2,282 calls, and 1,206 calls respectively. A proposed new station, Company 12 - Massaponax, could help provide relief to the overall fire and rescue system if approved and built.

- 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, 14 of the schools are expected to be over capacity. County-wide, elementary schools will have capacity of 72 seats; middle schools will be short by 674 seats; and high schools will be short by 969 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	505	0	0	0	289 / 200	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	56	0	0	0	31 / 22	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	0	0	0	132 / 92	Chancellor	Ni River	Riverbend	5
Saw Hill	43	0	0	0	25 / 17	Wilderness	Ni River	Riverbend	5
Estates at Buckingham	42	0	0	0	24 / 17	Berkeley	Post Oak	Spotsylvania	3
Pelhams East	43	0	0	0	25 / 17	Lee Hill / Cedar Forest	Thornburg	Massaponax	11
Whitehall	60	0	0	0	34 / 24	Brock Rd.	Ni River	Riverbend	7

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
Tanglewood Estates	2	0	0	0	1/ 1	Riverview	Post Oak	Spotsylvania	8
Estates at Kingswood	28	0	0	0	16 / 11	Battlefield	Chancellor	Chancellor	4
Breckenridge Farms	50	0	0	0	29 / 20	Courthouse	Freedom	Chancellor	4
Pamunkey Point	20	0	0	0	12 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	447	0	0	168	389 / 210	Parkside	Spotsylvania	Courtland	1, 4
Sunrise Bay	34	0	0	0	19/ 13	Livingston	Post Oak	Spotsylvania	9
Regency at Chancellorsville	0	0	0	128	0 / 25	n/a	n/a	n/a	5
Glenhaven/ River Glen	34	0	0	0	19 / 13	Chancellor	Chancellor	Riverbend	5
Reserve at Chancellorsville	98	0	0	0	56 / 39	Chancellor	Chancellor	Riverbend	5
Lafayette Crossing	0	21	0	0	12 / 7	Spotswood	Battlefield	Massaponax	4
Mallard Landing	0	99	0	0	57 / 31	Cedar Forest	Freedom	Massaponax	11
Spring Arbor	0	0	0	6	0 / 1	n/a	n/a	n/a	6
Summerfield	45	21	0	0	38 / 24	Spotswood	Battlefield	Chancellor	4
Keswick	150	90	240	184	182 / 170	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	0	164	773	0	237 / 202	Riverview	Spotsylvania	Massaponax	8
Lakeside	0	26	0	0	15 / 8	Spotswood	Battlefield	Massaponax	4
Brooks	0	2	0	0	1 / 1	Cedar Forest	Freedom	Massaponax	11
Estates at Terry's Run	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	9
Woods of Catharpin	4	0	0	0	3 / 2	Wilderness	Ni River	Riverbend	2
Spotsylvania Courthouse Vil.	358	198	834	50	493 / 376	R.E. Lee/ Courtland	Spotsylvania	Courtland	1
Crossroads Station	0	0	610	0	112 / 119	Cedar Forest	Freedom	Massaponax	11
New Post	219	104	102	0	200 / 139	Cedar Forest	Freedom	Massaponax	11
Fortune's Landing	45	0	0	0	26 / 18	Wilderness	Ni River	Spotsylvania	5
Barley Woods	0	0	0	130	0 / 25	n/a	n/a	n/a	5
Heritage Woods	697	180	183	0	537 / 369	Parkside	Spotsylvania	Courtland	1, 4, 8
Courtland Park	89	0	0	0	51 / 35	Courtland	Spotsylvania	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
Southpoint Landing	0	0	550	0	101 / 107	Parkside	Thornburg	Massaponax	4
Legends of Chancellorsville	218	0	0	0	124 / 86	Brock Rd./ Chancellor	Ni River	Riverbend	5, 7
Wheatland	0	98	0	0	57 / 31	Lee Hill	Thornburg	Massaponax	11
Thorburn Estates	59	0	0	0	34 / 23	Wilderness	Freedom	Riverbend	10
Jackson Village	0	596	1289	385	582 / 513	Lee Hill	Thornburg	Massaponax	4
Retreat at Chancellorsville	0	0	0	192	0 / 37	n/a	n/a	n/a	5
Alexander's Crossing	518	971	888	230	1,023 / 728	Riverview	Thornburg	Massaponax	11
Avalon Woods	98	0	0	0	56 / 39	Salem	Chancellor	Chancellor	6
Anna Vista Section 2	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	1
Plantation Woods	132	0	0	0	75 / 52	Courtland	Spotsylvania	Massaponax	1
Pennington Estates	12	0	0	0	7 / 5	Courtland	Spotsylvania	Courtland	1
Goodwin Cove	35	0	0	0	20 / 14	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 / 28	Cedar Forest	Thornburg	Massaponax	11
Barrington	39	0	0	0	22 / 15	Chancellor	Chancellor	Riverbend	5
Total	**14,042**				**5,237/3,955**				

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

Approved Development – School Impacts:

School	Capacity	2017 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	649	7	656	177
Berkeley Elementary	353	294	11	305	48
Brock Road	907	658	174	832	75
Cedar Forest	936	749	217	966	-30
Chancellor	455	441	146	587	-132
Courthouse Road	907	809	13	822	85
Courtland	789	535	181	716	73
Lee Hill	807	669	340	1,009	-202
Livingston	504	406	28	434	70
Parkside	936	865	479	1,344	-408
Riverview	907	619	639	1,258	-351
Robert E. Lee	585	540	209	749	-164
Salem	815	646	25	671	144
Spotswood	641	551	32	583	58
Wilderness	936	719	39	758	178
Subtotal	**11,311**	**9,150**	**2,540**	**11,690**	**-379**
Countywide Elementary	**13,233**	**10,620**	**2,540**	**13,161**	**72**

School	Capacity	2017 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Middle					
Battlefield	807	834	15	849	-42
Chancellor	857	861	39	900	-43
Freedom	948	769	93	862	86
Ni River	774	723	152	875	-101
Post Oak	948	727	20	747	201
Spotsylvania	907	909	442	1,351	-444
Thornburg	790	715	406	1,121	-331
Subtotal	**6,031**	**5,538**	**1,167**	**6,705**	**-674**
Countywide Middle	**6,031**	**5,538**	**1,167**	**6,705**	**-674**

High					
Chancellor	1,427	1,268	44	1,312	115
Courtland	1,265	1,179	450	1,629	-364
Massaponax	1,830	2,027	701	2,728	-898
Riverbend	1,995	1,981	247	2,228	-233
Spotsylvania	1,611	1,180	89	1,269	342
Subtotal	**8,128**	**7,635**	**1,531**	**9,166**	**-1,038**
Countywide High	**8,218**	**7,656**	**1,531**	**9,187**	**-969**

Approved Development – Fire/Rescue Impacts:

Station	Capacity	2017 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1 - Courthouse	2,500	1,789	871	2,660	-160
2 - Brokenburg	2,500	676	2	678	1,822
3 – Partlow	2,500	567	17	584	1,916
4 – Four Mile Fork	2,500	3,864	918	4,782	-2,282
5 – Chancellor	2,500	1,183	347	1,530	970
6 – Salem Church	2,500	3,666	40	3,706	-1,206
7 – Wilderness	2,500	831	267	1,098	1,402
8 – Thornburg	2,500	1,035	326	1,361	1,139
9 – Belmont	2,500	480	39	519	1,981
10 – Salem Fields	2,500	1,284	23	1,307	1,193
11 – Lee Hill	2,500	1,852	1,105	2,957	-457
Subtotal	**27,500**	**17,227**	**3,955**	**21,182**	**6,318**
Countywide F/R*	**27,500**	**17,227**	**3,955**	**21,182**	**6,318**

*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.

Staff is working to fine-tune the details and level of consistency in information provided for County projects and Schools projects in an effort to have additional details available for the FY 2019 Budget and beyond. It is a work in progress and, at this point, provides an order of magnitude of costs.

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:	$3,120,000	20 acres
	Soft Costs:	$4,366,960	
	Building Construction:	$19,754,800	
	Total Current Cost	**$27,241,760**	
	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:	$4,680,000	45 acres
	Soft Costs:	$6,294,080	
	Building Construction:	$26,790,400	
	Total Current Cost	**$37,764,480**	
	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:	$8,320,000	80 acres
	Soft Costs:	$13,416,000	
	Building Construction:	$74,599,200	
	Athletic Stadium:	$6,240,000	
	Total Current Cost	**$102,575,200**	
	Escalation factor	4%	BCWH Architects

Available Proffers & Use in FY 2019

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, 2016; the proffers received and spent during FY 2017; and the proffers budgeted in FY 2018 and FY 2019.

Proffer Category	6/30/2016 Balance	Received FY 2017	Spent FY 2017	Budgeted Use FY 2018	Budgeted Use FY 2019
Fire/Rescue	$81,472	$5,721	$52,889	$-	$31,464
Library	14,002	4,058	-	-	-
Recreation	93,808	8,619	9,442	19,178	-
Schools	217,062	121,566	-	-	-
Transportation	634,784	1,316,134	577,567	881,013	98,265
Gov't Facilities	32,252	6,973	-	24,442	-
Law Enforcement	25,977	7,186	-	-	-
Solid Waste	2,951	1,058	-	-	-
Planning Studies	16,600	-	-	-	-
PDR Program	632,633	-	-	-	-
Magnolia Harbor	5,007	2,169	-	-	-
Pamunkey Point	52,416	6,552	-	-	-
Fawn Lake Tower	-	24,000	24,000	-	-
Lafayette Crossing	37,168	-	-	37,168	-
Lakeside	449,393	364,873	-	253,108	-
Mallard Landing	295,642	110,527	1,144	164,227	-
Summerfield	484,378	500,600	-	19,866	-
Fortunes Landing	-	10,409	-	-	-
Total	**$3,075,545**	**$2,490,445**	**$665,042**	**$1,399,002**	**$129,729**

Capital Projects Staffing

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

Department/Position	FY 2017 Revised	FY 2018 Adopted	FY 2018 Revised	FY 2019 Recommended
Capital Projects Management				
Engineer II	0	0	1	1
Facilities Project Manager	1	1	0	0
Project Manager I	1	1	1	1
TOTAL FTEs	**2**	**2**	**2**	**2**
TOTAL FTEs Capital Projects	**2**	**2**	**2**	**2**

FY 2019 – FY 2023 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2019 – FY 2023 CIP. The spreadsheets on pages 175 – 185 show the anticipated funding by fiscal year for each project. Funding sources are identified on pages 175 – 185 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	Future bond referendum - library
FRED	Fredericksburg share of certain projects
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 2019 - FY 2023 CIP may be found beginning on page 187.

Spotsylvania County, Virginia
FY 2019 - FY 2023 Capital Improvement Plan
Project Summary By Fund

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2019 - FY 2023 Total
General Government Projects:						
General Government and Judicial Facilities	$12,007,900	$17,639,170	$12,904,782	$10,308,613	$13,363,474	$66,223,939
Solid Waste	$840,975	$3,365,000	$1,449,050	$7,297,667	$1,392,383	$14,345,075
Parks and Recreation	$786,500	$40,000	$380,000	$630,000	$1,254,000	$3,090,500
Fire and Rescue Services	$4,521,198	$5,511,412	$7,650,311	$7,223,232	$4,518,431	$29,424,584
General Government Total	**$18,156,573**	**$26,555,582**	**$22,384,143**	**$25,459,512**	**$20,528,288**	**$113,084,098**
Transportation Total	**$6,516,053**	**$1,000,000**	**$5,373,850**	**$18,232,520**	**$5,757,500**	**$36,879,923**
Schools Total	**$30,799,918**	**$21,884,036**	**$12,917,949**	**$10,361,613**	**$9,223,030**	**$85,186,546**
Utility Projects:						
General Utility Projects	$0	$500,000	$650,000	$450,000	$2,500,000	$4,100,000
Water Projects	$0	$12,100,000	$1,475,000	$24,000,000	$21,325,000	$58,900,000
Sewer Projects	$9,948,451	$13,350,000	$17,590,000	$18,245,000	$18,300,000	$77,433,451
Utilities Total	**$9,948,451**	**$25,950,000**	**$19,715,000**	**$42,695,000**	**$42,125,000**	**$140,433,451**
CIP Total, All Funds	**$65,420,995**	**$75,389,618**	**$60,390,942**	**$96,748,645**	**$77,633,818**	**$375,584,018**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Gen. Gov't Facilities & Equip									
Facility Asset Management Program	on-going	C, U	$1,579,150	$1,009,693	$1,399,052	$1,441,023	$1,484,254	**$6,913,172**	$0
Judicial Center Renovation & Expansion	$9,606,006	C, IE, P	$0	$5,519,000	$800,000	$0	$0	**$6,319,000**	$0
Major Maintenance (HVAC & electric) at Marshall Center	-	C, L	$0	$0	$348,800	$0	$5,546,840	**$5,895,640**	$0
Major Maintenance/Renov. at Holbert Building	$350,000	L	$0	$0	$3,600,000	$0	$0	**$3,600,000**	$0
Replacement Vehicles	on-going	C	$1,221,742	$1,200,000	$1,200,000	$1,200,000	$1,200,000	**$6,021,742**	$0
Animal Shelter Renovation & Expansion	$3,790,000	B-PS, FRED	$2,153,333	$1,076,667	$0	$0	$0	**$3,230,000**	$0
Office Building to House Social Services & Health Department	-	C	$1,200,000	$4,000,000	$3,800,000	$0	$0	**$9,000,000**	$0
Library in Massaponax Area	$15,000	FR	$0	$0	$1,250,000	$7,100,000	$4,500,000	**$12,850,000**	$0
Subtotal - Gen. Gov't Facilities & Equip	***$13,761,006***		***$6,154,225***	***$12,805,360***	***$12,397,852***	***$9,741,023***	***$12,731,094***	***$53,829,554***	***$0***
Information Technology									
Public Safety System Improvements:									
Computer Aided Dispatch System Replacement	$3,100,000	B-PS, C, IE	$2,100,000	$1,000,000	$0	$0	$0	**$3,100,000**	$0
Tone Paging System	$1,000,000	C	$325,000	$0	$0	$0	$0	**$325,000**	$0
Replacement of Chancellor Tower	-	C	$0	$1,000,000	$0	$0	$0	**$1,000,000**	$0
Next Generation 911 (NG911)	$200,000	B-PS	$0	$1,500,000	$0	$0	$0	**$1,500,000**	$0
Other System Improvements:									
Replacement Computers and Servers	on-going	C	$652,575	$552,310	$506,930	$367,590	$632,380	**$2,711,785**	$0
Financial & HR System Upgrade	$1,052,403	C	$1,326,100	$331,500	$0	$0	$0	**$1,657,600**	$0
Replace Treasurer's Legacy System	$2,084,364	C	$600,000	$0	$0	$0	$0	**$600,000**	$0
Cloud Strategy Implementation	-	C	$250,000	$250,000	$0	$0	$0	**$500,000**	$0
Business Tax Software Update	-	C	$0	$100,000	$0	$0	$0	**$100,000**	$0
State Income Tax Program Replacement	-	C	$0	$100,000	$0	$0	$0	**$100,000**	$0
ArcGIS Platform Implementation	-	C	$200,000	$0	$0	$0	$0	**$200,000**	$0
VITA Base Mapping Program	-	C	$200,000	$0	$0	$200,000	$0	**$400,000**	$0
Trakit-9 Migration Upgrade for CRW	$261,395	C	$200,000	$0	$0	$0	$0	**$200,000**	$0
Subtotal - Information Technology	***$7,698,162***		***$5,853,675***	***$4,833,810***	***$506,930***	***$567,590***	***$632,380***	***$12,394,385***	***-***
TOTAL GENERAL GOV'T EXPENDITURES	**$21,459,168**		**$12,007,900**	**$17,639,170**	**$12,904,782**	**$10,308,613**	**$13,363,474**	**$66,223,939**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

GENERAL GOV'T REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$7,876,660	$12,792,763	$7,757,871	$2,902,795	$7,501,641	**$38,831,730**	$0
Interest Earnings		IE	$27,349	$101,482	$0	$0	$0	**$128,831**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$3,368,791	$3,498,070	$0	$0	$0	**$6,866,861**	$0
Other Bonds (aka "lease revenue)		L	$0	$0	$3,600,000	$0	$1,046,840	**$4,646,840**	$0
Future Bond Referendum - Library		FR	$0	$0	$1,250,000	$7,100,000	$4,500,000	**$12,850,000**	$0
Proffers		P	$0	$1,033,574	$0	$0	$0	**$1,033,574**	$0
Fredericksburg Share of Certain Projects		FRED	$157,193	$78,597	$0	$0	$0	**$235,790**	$0
Transfer from Utilities Fund		U	$577,907	$134,684	$296,911	$305,818	$314,993	**$1,630,313**	$0
TOTAL GENERAL GOV'T REVENUES			**$12,007,900**	**$17,639,170**	**$12,904,782**	**$10,308,613**	**$13,363,474**	**$66,223,939**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

SOLID WASTE EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities									
Active Gas Collection System in Add'l Cells	-	C, P	$0	$0	$252,200	$0	$0	**$252,200**	$252,200
Convenience Center Paving	on-going	C	$50,000	$50,000	$50,000	$50,000	$50,000	**$250,000**	$0
Livingston Landfill Development (MANDATE)	$2,880,993	C	$200,975	$2,190,000	$446,850	$6,317,667	$242,383	**$9,397,875**	$3,807,983
Subtotal - Construction/Closing Cells & Facilities	***$2,880,993***		***$250,975***	***$2,240,000***	***$749,050***	***$6,367,667***	***$292,383***	***$9,900,075***	***$4,060,183***
SOLID WASTE - Equipment Replacement									
Refuse Disposal Equip Replacement	on-going	C	$100,000	$595,000	$350,000	$605,000	$525,000	**$2,175,000**	on-going
Refuse Collection Equip Replacement	on-going	C	$490,000	$530,000	$350,000	$325,000	$575,000	**$2,270,000**	on-going
Subtotal - Solid Waste Equipment Replacement	-		***$590,000***	***$1,125,000***	***$700,000***	***$930,000***	***$1,100,000***	***$4,445,000***	***$0***
TOTAL SOLID WASTE EXPENDITURES	**$2,880,993**		**$840,975**	**$3,365,000**	**$1,449,050**	**$7,297,667**	**$1,392,383**	**$14,345,075**	**$4,060,183**

SOLID WASTE REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$840,975	$3,365,000	$1,445,736	$7,297,667	$1,392,383	**$14,341,761**	$4,060,183
Proffer		P	$0	$0	$3,314	$0	$0	**$3,314**	$0
TOTAL SOLID WASTE REVENUES			**$840,975**	**$3,365,000**	**$1,449,050**	**$7,297,667**	**$1,392,383**	**$14,345,075**	**$4,060,183**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities									
Belmont Passive Park	$52,987	C, P	$0	$40,000	$380,000	$0	$0	**$420,000**	$0
Livingston Community Center	-	C	$0	$0	$0	$65,000	$650,000	**$715,000**	$0
Marshall Center Auditorium Upgrades	$567,248	C, D	$0	$0	$0	$0	$304,000	**$304,000**	$0
Ni River Park	$3,061	C, P	$0	$0	$0	$50,000	$300,000	**$350,000**	$3,020,000
Regrading & Fence Replacement at Parks	-	C	$367,100	$0	$0	$0	$0	**$367,100**	$0
Parking & Drainage Repairs	-	C	$300,000	$0	$0	$0	$0	**$300,000**	$0
Loriella Park Lighting Replacement - Phase I	-	CR	$0	$0	$0	$515,000	$0	**$515,000**	$0
Basketball Court Repairs & Resurfacing	-	C	$119,400	$0	$0	$0	$0	**$119,400**	$0
TOTAL PARKS & REC EXPENDITURES	**$623,296**		**$786,500**	**$40,000**	**$380,000**	**$630,000**	**$1,254,000**	**$3,090,500**	**$3,020,000**

PARKS & RECREATION REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$786,500	$0	$330,084	$97,254	$1,248,700	**$2,462,538**	$3,020,000
Concession Receipts		CR	$0	$0	$0	$515,000	$0	**$515,000**	$0
Proffers		P	$0	$40,000	$49,916	$17,746	$0	**$107,662**	$0
Donations		D	$0	$0	$0	$0	$5,300	**$5,300**	$0
TOTAL PARKS & REC REVENUES			**$786,500**	**$40,000**	**$380,000**	**$630,000**	**$1,254,000**	**$3,090,500**	**$3,020,000**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

FIRE & RESCUE SERVICES EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
FIRE/RESCUE SERVICES - Construction Projects									
Fire Training & Logistics Center	$250,000	B-PS, C	$0	$0	$0	$2,250,000	$2,000,000	**$4,250,000**	$0
New Fire/Rescue - Company 12 (Massaponax area)	-	B-PS, C, P	$500,000	$2,500,000	$2,500,000	$0	$0	**$5,500,000**	$0
Replacement of Company 3 (Partlow)	-	B-PS, C	$250,000	$0	$2,500,000	$2,500,000	$0	**$5,250,000**	$0
Subtotal Fire/Rescue constructon	***$250,000***		***$750,000***	***$2,500,000***	***$5,000,000***	***$4,750,000***	***$2,000,000***	***$15,000,000***	***$0***
FIRE/RESCUE SERVICES - Equipment									
Replacement Fire Equipment	on-going	C, B-PS, IE	$2,619,102	$2,029,028	$1,735,791	$1,822,582	$1,762,484	**$9,968,987**	$0
Replacement EMS Equipment	on-going	B-PS, C	$873,496	$935,972	$914,520	$650,650	$755,947	**$4,130,585**	$0
CPR Delivery Devices	$171,569	C	$78,600	$46,412	$0	$0	$0	**$125,012**	$0
IV Pumps for Ambulances	-	C	$80,000	$0	$0	$0	$0	**$80,000**	$0
Retrofit CY 2015 Ambulances with Liquid Springs	-	C	$120,000	$0	$0	$0	$0	**$120,000**	$0
Subtotal Fire/Rescue equipment	***$1,171,569***		***$3,771,198***	***$3,011,412***	***$2,650,311***	***$2,473,232***	***$2,518,431***	***$14,424,584***	***$0***
TOTAL FIRE/RESCUE SVCS EXPENDITURES	**$1,421,569**		**$4,521,198**	**$5,511,412**	**$7,650,311**	**$7,223,232**	**$4,518,431**	**$29,424,584**	**$0**

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$4,421,004	$46,412	$1,500,000	$24,211	$4,518,431	**$10,510,058**	$0
Interest Earnings		IE	$68,730	$0	$0	$0	$0	**$68,730**	$0
Proffers		P	$31,464	$0	$0	$789	$0	**$32,253**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$0	$5,465,000	$6,150,311	$7,198,232	$0	**$18,813,543**	$0
TOTAL FIRE/RESCUE SVCS REVENUES			**$4,521,198**	**$5,511,412**	**$7,650,311**	**$7,223,232**	**$4,518,431**	**$29,424,584**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

TRANSPORTATION EXPENDITURES

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

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Improvements at Exit 118 - 606 East, Bridge, 606 West & Connector Road	$7,972,000	B-T, IE, P	$3,251,053	$0	$2,973,850	$6,525,020	$0	**$12,749,923**	$0
Improvements at Exit 126 - Rt. 17 Widening & Bridge	$1,510,669	B-T, P	$0	$1,000,000	$0	$2,400,000	$0	**$3,400,000**	$0
Rt. 3 Operational Improvements - "Bump Outs"	-	B-T	$1,000,000	$0	$1,500,000	$0	$0	**$2,500,000**	$0
Roundabout - Old Plank & Andora	-	B-T	$600,000	$0	$900,000	$0	$0	**$1,500,000**	$0
Widening of Harrison - Old Plank to Gordon	$2,450,000	B-T, P	$0	$0	$0	$3,550,000	$0	**$3,550,000**	$0
Implementation of Findings from Corridor Study - Rt 1 & Rt 208 (County's assumed share of implementation)	-	B-T	$0	$0	$0	$2,878,750	$2,878,750	**$5,757,500**	$0
Implementation of Findings from Corridor Study - Rt 2 & Rt 17 (County's assumed share of implementation)	-	B-T	$0	$0	$0	$2,878,750	$2,878,750	**$5,757,500**	$0
Bloomsbury Rural Additions Project to Bring Subdivision Roads to State Standards	-	B-T	$600,000	$0	$0	$0	$0	**$600,000**	$0
Right Turn Lane at Lansdowne onto Rt. 2	-	B-T	$1,000,000	$0	$0	$0	$0	**$1,000,000**	$0
Study for Revitalization of Rt. 1	-	C	$65,000	$0	$0	$0	$0	**$65,000**	$0
TOTAL TRANSPORTATION EXPENDITURES	**$11,932,669**		**$6,516,053**	**$1,000,000**	**$5,373,850**	**$18,232,520**	**$5,757,500**	**$36,879,923**	**$0**

TRANSPORTATION REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$65,000	$0	$0	$0	$0	**$65,000**	$0
Interest Earnings		IE	$98,965	$0	$0	$0	$0	**$98,965**	$0
Proffers		P	$98,265	$1,000,000	$0	$293,785	$0	**$1,392,050**	$0
Nov 2014 Bond Referendum		B-T	$6,253,823	$0	$5,373,850	$17,938,735	$5,757,500	**$35,323,908**	$0
TOTAL TRANSPORTATION REVENUES			**$6,516,053**	**$1,000,000**	**$5,373,850**	**$18,232,520**	**$5,757,500**	**$36,879,923**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Courtland High School	$8,950,000	B-S	$18,500,000	$9,000,000	$0	$0	$0	**$27,500,000**	$0
Subtotal - School Construction	***$8,950,000***		***$18,500,000***	***$9,000,000***	***$0***	***$0***	***$0***	***$27,500,000***	***$0***
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B-S	$4,258,838	$3,967,516	$3,838,025	$3,984,353	$4,000,000	**$20,048,732**	$0
Capital Maintenance	on-going	B-S	$4,635,500	$5,775,000	$6,770,000	$2,718,000	$2,080,000	**$21,978,500**	$0
Technology Replacements/Upgrades	on-going	B-S	$3,405,580	$3,141,520	$2,309,924	$3,659,260	$3,143,030	**$15,659,314**	$0
Subtotal - School Non-Construction	-		***$12,299,918***	***$12,884,036***	***$12,917,949***	***$10,361,613***	***$9,223,030***	***$57,686,546***	***$0***
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	-		**$30,799,918**	**$21,884,036**	**$12,917,949**	**$10,361,613**	**$9,223,030**	**$85,186,546**	**$0**

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash from General Fund		C						**$0**	$0
Nov 2014 School Bond Referenda		B-S	$30,799,918	$21,884,036	$12,917,949	$10,361,613	$9,223,030	**$85,186,546**	$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			**$30,799,918**	**$21,884,036**	**$12,917,949**	**$10,361,613**	**$9,223,030**	**$85,186,546**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
General Utilities Projects									
Utility Lab/Office Expansion	$4,250,000	B	$0	$0	$0	$0	$2,000,000	**$2,000,000**	$0
Telemetry/SCADA	$1,423,088	C	$0	$350,000	$300,000	$300,000	$100,000	**$1,050,000**	$0
Manhole Rehabilitation Program	$250,000	C	$0	$50,000	$50,000	$50,000	$50,000	**$200,000**	$0
System Improvement Opportunities with Developers	on-going	C	$0	$100,000	$100,000	$100,000	$100,000	**$400,000**	$0
WTP SCADA Upgrades	$1,926,207	C	$0	$0	$200,000	$0	$0	**$200,000**	$0
Utilites Master Plan Upgrade	-	C	$0	$0	$0	$0	$250,000	**$250,000**	$0
SUBTOTAL GENERAL UTILITIES PROJECTS	***$7,849,295***		***$0***	***$500,000***	***$650,000***	***$450,000***	***$2,500,000***	***$4,100,000***	***$0***
Water Projects									
Motts Water Treatment Plant Expansion	-	B, FRED	$0	$0	$0	$20,000,000	$20,000,000	**$40,000,000**	$0
Southpoint 12" Waterline Replacement	$175,000	C	$0	$0	$0	$0	$175,000	**$175,000**	$0
Ni River Water Treatment Plant Improvements	$20,884,067	B	$0	$7,000,000	$0	$0	$0	**$7,000,000**	$0
Loren Drive/Harrison Rd (formerly known as Falcon Drive Extension)	-	C	$0	$0	$0	$0	$400,000	**$400,000**	$0
Thornburg Distribution Improvements	-	B, C	$0	$2,000,000	$0	$3,000,000	$0	**$5,000,000**	$0
Spotswood 2" Line Upgrade (Southgate Dr.)	$250,000	C	$0	$125,000	$0	$0	$0	**$125,000**	$0
Water Meter Replacement Program	$3,724,000	C	$0	$2,000,000	$0	$0	$0	**$2,000,000**	$0
Brock Road 16" Waterline Extension	$135,000	C	$0	$0	$0	$350,000	$350,000	**$700,000**	$0
Old Greenwich 2" Line Upgrade	-	C	$0	$0	$250,000	$0	$0	**$250,000**	$0
Waverly Village 2" Line Upgrade	-	C	$0	$0	$75,000	$75,000	$75,000	**$225,000**	$0
Tank Maintenance	$995,000	C	$0	$50,000	$225,000	$0	$0	**$275,000**	$0
Maple Grove 2" Waterline	$125,000	C	$0	$75,000	$75,000	$75,000	$75,000	**$300,000**	$0
Rt. 1/Rt. 606 Waterline Improvements	$250,000	C	$0	$0	$0	$0	$250,000	**$250,000**	$0
Rt. 1 Waterline Improvements - Cosner to Massaponax	-	C	$0	$500,000	$0	$0	$0	**$500,000**	$0
Rt. 606 West	-	C	$0	$0	$500,000	$500,000	$0	**$1,000,000**	$0
12" AC Line Replacement	$750,000	C	$0	$350,000	$350,000	$0	$0	**$700,000**	$0
SUBTOTAL WATER PROJECTS	***$27,288,067***		***$0***	***$12,100,000***	***$1,475,000***	***$24,000,000***	***$21,325,000***	***$58,900,000***	***$0***

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Sewer Projects									
Phase II - I-95 to Woodland Drive	$203,603	C	$0	$0	$400,000	$400,000	$400,000	**$1,200,000**	$0
Collection System Extensions	on-going	C	$0	$50,000	$50,000	$0	$0	**$100,000**	$0
Elimination of Pump Stations 3 & 6	$70,000	C	$0	$0	$0	$350,000	$0	**$350,000**	$0
Old Greenwich Sewer Replacement	$2,385,957	C	$0	$0	$800,000	$0	$0	**$800,000**	$0
Thornburg Wastewater Treatment Plant Upgrade	-	B, C	$5,000,000	$6,000,000	$0	$0	$0	**$11,000,000**	$0
PS 24 Relocation	$1,200,000	C	$0	$1,700,000	$0	$0	$0	**$1,700,000**	$0
Lafayette Crossing PS Abandonment	-	C	$0	$0	$0	$300,000	$100,000	**$400,000**	$0
Deep Run PS Rehab	-	B, C	$0	$0	$0	$0	$1,100,000	**$1,100,000**	$0
Fawn Lake PS 27 & 58	$2,000,000	C	$0	$1,000,000	$0	$0	$0	**$1,000,000**	$0
Flow Metering	-	C	$0	$300,000	$0	$0	$0	**$300,000**	$0
Hazel Run PS	-	C, FRED	$4,451,756	$4,000,000	$0	$0	$0	**$8,451,756**	$0
FMC Decommissioning/Industrial PS	-	B, C	$0	$0	$0	$500,000	$1,200,000	**$1,700,000**	$0
Massaponax Wastewater Treatment Plant Expansion	-	B, C, FRED	$0	$0	$16,000,000	$16,000,000	$15,000,000	**$47,000,000**	$0
Replacement Equipment - Field Services	on-going	C	$0	$0	$340,000	$195,000	$0	**$535,000**	$0
Replacement Equipment - Composting	on-going	C	$0	$300,000	$0	$500,000	$500,000	**$1,300,000**	$0
Replacement Equipment - Heavy Vehicles	on-going	C	$496,695	$0	$0	$0	$0	**$496,695**	$0
SUBTOTAL SEWER PROJECTS	***$5,859,560***		***$9,948,451***	***$13,350,000***	***$17,590,000***	***$18,245,000***	***$18,300,000***	***$77,433,451***	***$0***
TOTAL UTILITIES EXPENDITURES	**$40,996,922**		**$9,948,451**	**$25,950,000**	**$19,715,000**	**$42,695,000**	**$42,125,000**	**$140,433,451**	**0**

UTILITIES REVENUES

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$5,989,639	$8,950,000	$5,244,600	$5,890,600	$3,850,000	**$29,924,839**	
Fredericksburg Share of Certain Projects		FRED	$3,958,812	$2,000,000	$8,470,400	$16,804,400	$16,275,000	**$47,508,612**	$0
Revenue Bonds		B	$0	$15,000,000	$6,000,000	$20,000,000	$22,000,000	**$63,000,000**	
TOTAL UTILITIES REVENUES			**$9,948,451**	**$25,950,000**	**$19,715,000**	**$42,695,000**	**$42,125,000**	**$140,433,451**	**$0**

SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2019 - FY 2023

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
TOTAL FY 2019 - FY 2023 CIP			**$65,420,995**	**$75,389,618**	**$60,390,942**	**$96,748,645**	**$77,633,818**	**$375,584,018**	**$7,080,183**

CIP REVENUE SUMMARY

	Total Budget through FY 2018	Funding Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	Total FY 19 - FY 23	Costs beyond FY 2023
Cash		C	$19,979,778	$25,154,175	$16,278,291	$16,212,527	$18,511,155	**$96,135,926**	$7,080,183
Interest Earnings		IE	$195,044	$101,482	$0	$0	$0	**$296,526**	$0
Fredericksburg Share of Certain Projects		FRED	$4,116,005	$2,078,597	$8,470,400	$16,804,400	$16,275,000	**$47,744,402**	$0
Concession Receipts		CR	$0	$0	$0	$515,000	$0	**$515,000**	$0
Donations		D	$0	$0	$0	$0	$5,300	**$5,300**	$0
Proffers		P	$129,729	$2,073,574	$53,230	$312,320	$0	**$2,568,853**	$0
Nov 2014 Bond Referendum - Public Safety		B-PS	$3,368,791	$8,963,070	$6,150,311	$7,198,232	$0	**$25,680,404**	$0
Nov 2014 Bond Referenda - Schools		B-S	$30,799,918	$21,884,036	$12,917,949	$10,361,613	$9,223,030	**$85,186,546**	$0
Nov 2014 Bond Referendum - Transportation		B-T	$6,253,823	$0	$5,373,850	$17,938,735	$5,757,500	**$35,323,908**	$0
Future Bond Referendum - Library		FR	$0	$0	$1,250,000	$7,100,000	$4,500,000	**$12,850,000**	$0
Other Bonds (aka "lease revenue)		L	$0	$0	$3,600,000	$0	$1,046,840	**$4,646,840**	$0
Revenue Bonds - Utilities		B	$0	$15,000,000	$6,000,000	$20,000,000	$22,000,000	**$63,000,000**	$0
Transfer from Utilities Fund		U	$577,907	$134,684	$296,911	$305,818	$314,993	**$1,630,313**	$0
TOTAL FY 2019 - FY 2023 CIP			**$65,420,995**	**$75,389,618**	**$60,390,942**	**$96,748,645**	**$77,633,818**	**$375,584,018**	**$7,080,183**

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.

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COUNTY OF SPOTSYLVANIA · VIRGINIA
PATIOR UT POTIAR

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:

$6,913,172

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$1,277,443	$944,109	$1,102,141	$1,135,205	$1,169,261	$5,628,159
Service Charge	$0	$0	$0	$0	$0	$0
Other (Transfer from Utilities)	$301,707	$65,584	$296,911	$305,818	$314,993	$1,285,013
Total Projected/Requested Funding	**$1,973,311**	**$1,579,150**	**$1,009,693**	**$1,399,052**	**$1,441,023**	**$6,913,172**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$1,579,150	$1,009,693	$1,399,052	$1,441,023	$1,484,254	$6,913,172
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,579,150**	**$1,009,693**	**$1,399,052**	**$1,441,023**	**$1,484,254**	**$6,913,172**
- 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**

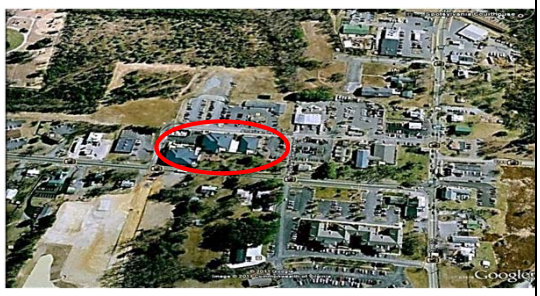
DEPARTMENT: **Public Works**

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 exspansion of the Judical Center. Expansion will include shell space, one additional General District courtroom, and one additional Juvenile & Domestic Relations courtroom. Existing space within the Judical Center will receive varying degrees of renovation including HVAC replacement, a new secuirty check point, and refurbished General District Court Clerk space in Building C (the former Circuit Court building).

PROJECT OBJECTIVE: Provide additional courtrooms and judical 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
FY 2021	County owns building	FY 2023

PRIOR YEAR BUDGETS: $9,606,006

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$1,033,574	$0	$0	$0	$1,033,574
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	$4,383,944	$800,000	$0	$0	$5,183,944
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$0	$101,482	$0	$0	$0	$101,482
Total Projected/Requested Funding	**$0**	**$5,519,000**	**$800,000**	**$0**	**$0**	**$6,319,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$5,519,000	$800,000	$0	$0	$6,319,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$5,519,000**	**$800,000**	**$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	$173,510	$179,182	$185,042	$537,734
Total Est Add'l Operational Costs	**$0**	**$0**	**$173,510**	**$179,182**	**$185,042**	**$537,734**

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.

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.

TOTAL CAPITAL PROJECT COST: $5,895,640

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$1,046,840	$1,046,840
State Aid	$0	$0	$0	$0	$0	$0
Federal Aid	$0	$0	$0	$0	$0	$0
General Revenue	$0	$0	$348,800	$0	$4,500,000	$4,848,800
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$348,800**	**$0**	**$5,546,840**	**$5,895,640**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$348,800	$0	$0	$348,800
Construction	$0	$0	$0	$0	$5,546,840	$5,546,840
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$348,800**	**$0**	**$5,546,840**	**$5,895,640**
- 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	$104,684	$104,684
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$104,684**	**$104,684**

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. Since this major maintenance work will require ceilings and wall finishes to be removed, renovation of the building at this time to accommodate future needs would be prudent. 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: $3,950,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018 - FY 2019	County owns building	FY 2021

PRIOR YEAR BUDGETS: $350,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$3,600,000	$0	$0	$3,600,000
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**	**$3,600,000**	**$0**	**$0**	**$3,600,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$3,600,000	$0	$0	$3,600,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$3,600,000**	**$0**	**$0**	**$3,600,000**
- 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	$360,000	$351,000	$342,000	$1,053,000
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$360,000**	**$351,000**	**$342,000**	**$1,053,000**

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:

$6,021,752

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$1,221,742	$1,200,000	$1,200,000	$1,200,000	$1,200,000	$6,021,742
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$1,221,742**	**$1,200,000**	**$1,200,000**	**$1,200,000**	**$1,200,000**	**$6,021,742**
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	$1,221,752	$1,200,000	$1,200,000	$1,200,000	$1,200,000	$6,021,752
Total Projected Capital Expenditures	**$1,221,752**	**$1,200,000**	**$1,200,000**	**$1,200,000**	**$1,200,000**	**$6,021,752**
- 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:

$7,020,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$3,790,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$1,996,140	$998,070	$0	$0	$0	$2,994,210
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)	$157,193	$78,597	$0	$0	$0	$235,790
Total Projected/Requested Funding	**$2,153,333**	**$1,076,667**	**$0**	**$0**	**$0**	**$3,230,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$2,153,333	$1,076,667	$0	$0	$0	$3,230,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$2,153,333**	**$1,076,667**	**$0**	**$0**	**$0**	**$3,230,000**
- 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	$174,662	$270,726	$264,489	$258,251	$252,013	$1,220,141
- Utilities, insurance, maintenance	$0	$28,004	$57,837	$59,727	$61,681	$207,249
Total Est Add'l Operational Costs	**$174,662**	**$298,730**	**$322,326**	**$317,978**	**$313,694**	**$1,427,390**

DEPARTMENT: **Public Works**

PROJECT NAME: **New Office Building to House Department of Social Services & Health Department**

PROJECT CONTACT/PHONE #: TBD

PROJECT LOCATION:

Spotsylvania Courthouse area

PROJECT DESCRIPTION: Design and construction of a new County office building to house Department of Social Services and Health Department. It is contemplated that the new construction will occur on existing County-owned property, though as exact location has not yet been determined.

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. 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: $9,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$1,200,000	$4,000,000	$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	**$1,200,000**	**$4,000,000**	**$3,800,000**	**$0**	**$0**	**$9,000,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$1,200,000	$0	$0	$0	$0	$1,200,000
Construction	$0	$4,000,000	$3,800,000	$0	$0	$7,800,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,200,000**	**$4,000,000**	**$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	$78,868	$162,892	$168,220	$409,980
Total Est Add'l Operational Costs	**$0**	**$0**	**$78,868**	**$162,892**	**$168,220**	**$409,980**

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

PROJECT NAME: **Massaponax Library**

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 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 study planned in FY 2018 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 additional operating costs of approximately $530,000 beginning in FY 2024 as the County's share of added personnel, maintenance, utilities, and insurance costs of a new branch.

TOTAL CAPITAL PROJECT COST:

$12,865,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018; FY 2021	FY 2021	FY 2022 - FY 2023

PRIOR YEAR BUDGETS:

$15,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond*	$0	$0	$1,250,000	$7,100,000	$4,500,000	$12,850,000
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**	**$1,250,000**	**$7,100,000**	**$4,500,000**	**$12,850,000**
Projected Capital Expenditures:						
Land	$0	$0	$350,000	$0	$0	$350,000
Professional Services	$0	$0	$900,000	$0	$0	$900,000
Construction	$0	$0	$0	$4,500,000	$4,500,000	$9,000,000
Vehicles & Equipment	$0	$0	$0	$2,600,000	$0	$2,600,000
Total Projected Capital Expenditures	**$0**	**$0**	**$1,250,000**	**$7,100,000**	**$4,500,000**	**$12,850,000**
*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	$125,000	$831,875	$1,261,000	$2,217,875
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$125,000**	**$831,875**	**$1,261,000**	**$2,217,875**

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. In order to meet the growing technological demand of the public safety community, as well as ensure that the County's CAD system is sized properly for the volume of calls received as well as the broad functionality that is commonly available in Tier I and Tier II CAD applications, a replacement is required to avoid the potential of inadequate technology. 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:

$3,100,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$1,372,651	$1,000,000	$0	$0	$0	$2,372,651
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	$700,000	$0	$0	$0	$0	$700,000
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$27,349	$0	$0	$0	$0	$27,349
Total Projected/Requested Funding	**$2,100,000**	**$1,000,000**	**$0**	**$0**	**$0**	**$3,100,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$2,100,000	$1,000,000	$0	$0	$0	$3,100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$2,100,000**	**$1,000,000**	**$0**	**$0**	**$0**	**$3,100,000**
- 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	$226,978	$397,923	$388,868	$379,813	$370,758	$1,764,340
- Utilities, insurance, maintenance	$0	$0	TBD	TBD	TBD	$0
Total Est Add'l Operational Costs	**$226,978**	**$397,923**	**$388,868**	**$379,813**	**$370,758**	**$1,764,340**

DEPARTMENT: **Information Services**

PROJECT NAME: **Digital Alerting System (Tone Paging)**

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

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION:

Information Services is in the preliminary stages of developing a plan for a digital alerting system for fire and rescue first responders, to replace the legacy tone alerting system currently in place. Replacement of radio communicated tone alerts with digital alerts. Once all fire stations have been connected via fiber, which is in progress.

PROJECT OBJECTIVE:

This project provides a turn-key system replacement of fire station alerting (FSA) components. This alerting system is a critical part of the 911 systems and public safety response, and is a requirement specified in the National Fire Protection Association (NFPA) 1221 Standard. This technology life cycle replacement brings the Fire and Rescue Department's (FRD) station alerting system to a technical level that will permit integration with the selected Public Safety Computer Aided Dispatch and possibly with the Records Management Systems (CAD/RMS).

TOTAL CAPITAL PROJECT COST:

$1,325,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2016	N/A	FY 2018 - FY 2019

PRIOR YEAR BUDGETS:

$1,000,000

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$325,000	$0	$0	$0	$0	$325,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$325,000**	**$0**	**$0**	**$0**	**$0**	**$325,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$325,000	$0	$0	$0	$0	$325,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$325,000**	**$0**	**$0**	**$0**	**$0**	**$325,000**
- 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	$100,000	$100,000	$100,000	$100,000	$400,000
Total Est Add'l Operational Costs	**$0**	**$100,000**	**$100,000**	**$100,000**	**$100,000**	**$400,000**

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 $212,000.

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 2020

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$25,000	$25,000	$25,000	$75,000
Total Est Add'l Operational Costs	**$0**	**$0**	**$25,000**	**$25,000**	**$25,000**	**$75,000**

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 few years. Cost estimate is based on preliminary figures from the State.

TOTAL CAPITAL PROJECT COST:

$1,700,000

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$1,500,000	$0	$0	$0	$1,500,000
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**	**$1,500,000**	**$0**	**$0**	**$0**	**$1,500,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$1,500,000	$0	$0	$0	$1,500,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$1,500,000**	**$0**	**$0**	**$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	$263,036	$256,071	$249,107	$242,143	$1,010,357
- Utilities, insurance, maintenance	$0	$0	TBD	TBD	TBD	$0
Total Est Add'l Operational Costs	**$0**	**$263,036**	**$256,071**	**$249,107**	**$242,143**	**$1,010,357**

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 and servers. Fund replacement of County computers, laptops, ToughBooks, work stations, switches, routers, servers, hard drives, uninterruptable power supplies (UPS), printers, scanners, monitors, and other pereferial devices. Most items are on a standard five year replacement cycle.

PROJECT OBJECTIVE: This project funds the replacement of obscelete or broken technology hardware. Neary all of the County's PC's were replaced in 2012/2013. As future upgrades are rolled out, annual costs will level out. FY 2019 Includes $300,000 for the replacement of the main switch and FY 2020 includes $150,000 for replacement of virturalized servers.

TOTAL CAPITAL PROJECT COST:

$2,711,785

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$652,575	$552,310	$506,930	$367,590	$632,380	$2,711,785
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$652,575**	**$552,310**	**$506,930**	**$367,590**	**$632,380**	**$2,711,785**
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	$652,575	$552,310	$506,930	$367,590	$632,380	$2,711,785
Total Projected Capital Expenditures	**$652,575**	**$552,310**	**$506,930**	**$367,590**	**$632,380**	**$2,711,785**
- 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: $1,657,600

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: $1,052,403

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$1,049,900	$262,400	$0	$0	$0	$1,312,300
Service Charge	$0	$0	$0	$0	$0	$0
Other (Transfer from Utilities)	$276,200	$69,100	$0	$0	$0	$345,300
Total Projected/Requested Funding	**$1,326,100**	**$331,500**	**$0**	**$0**	**$0**	**$1,657,600**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$1,326,100	$331,500	$0	$0	$0	$1,657,600
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,326,100**	**$331,500**	**$0**	**$0**	**$0**	**$1,657,600**
- 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	TBD	TBD	TBD	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Replacement of the Treasurer's Legacy System**

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

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: The tax billing and collections system currently used by the Treasurer needs to be replaced since it is not meeting the needs of the Treasurer's Office, and current file structures and program enhancements are no longer easily implemented. Information Services has determined that, based on industry trends, the existing system reached the end of its useful life in FY 2008 and is due for replacement.

PROJECT OBJECTIVE: The purpose of this project is to upgrade the legacy Treasurer's system to a streamlined and automated cash receipts and tax collection system. The legacy was developed in-house in the mid-1990s, has reached the end of its life cycle, and requires replacement. This project is currently underway and additional funding is required for completion. The refresh of this technology is being performed in coordination with an existing Business License application system and is also directly connected to the Personal Property system replacement project.

TOTAL CAPITAL PROJECT COST:

$600,000

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:

$2,084,364

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$600,000	$0	$0	$0	$0	$600,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$600,000**	**$0**	**$0**	**$0**	**$0**	**$600,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$600,000	$0	$0	$0	$0	$600,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$600,000**	**$0**	**$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	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$0	$0	$0	$0	$500,000
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	$200,000	$0	$0	$0	$0	$200,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$300,000	$0	$0	$0	$0	$300,000
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	TBD	TBD	TBD	TBD	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

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 2020

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$100,000	$0	$0	$0	$100,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$100,000**	**$0**	**$0**	**$0**	**$100,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$100,000	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$100,000**	**$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	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$100,000	$0	$0	$0	$100,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$100,000**	**$0**	**$0**	**$0**	**$100,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$100,000	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$100,000**	**$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	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**

DEPARTMENT: **Information Services**

PROJECT NAME: **Implementation of the ArcGIS Enterprise Platform**

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

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION:

ArcGIS Enterprise, the foundation of web GIS, is a full-featured mapping and analytics platform. It has been designed for deployment in your private infrastructure and supports the entire Enterprise by providing a simple end user experience that delivers decision support, field mobility, analytics, data management, constituent engagement, and location enablement.

PROJECT OBJECTIVE:

A new Enterprise GIS model is recommended to support the County's expected growth as business systems location-enablement is expanded, additional web services are required to support current and future initiatives, and new technologies such as Portal, and Insights for ArcGIS, are incorporated. The recommended Enterprise GIS is focused on best practices to ensure a secure, highly available, and scalable Geospatial Information System and web GIS solution.

TOTAL CAPITAL PROJECT COST:

$200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$100,000	$0	$0	$0	$0	$100,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$100,000	$0	$0	$0	$0	$100,000
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: **Information Services**

PROJECT NAME: **VITA Base Mapping Program**

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

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: The Virginia Base Mapping Program (VBMP) acquires statewide aerial photography on a four year cycle for Virginia. This data is used for many other functions such as Virginia Department of Emergency Management's emergency response training exercises for North Anna Power Station, evacuation planning, search and rescue responses, economic development, floodplain studies and various other analyses.

PROJECT OBJECTIVE: Update 2013 Aerial Basemap in FY 2019 and FY 2022 as part of a regular four year cycle.

TOTAL CAPITAL PROJECT COST:

$400,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2018	N/A	FY 2019 & FY 2022

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$200,000	$0	$400,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$200,000**	**$0**	**$0**	**$200,000**	**$0**	**$400,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$200,000	$0	$0	$200,000	$0	$400,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$200,000**	**$0**	**$0**	**$200,000**	**$0**	**$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	$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: **Trakit-9 Migration-upgrade for CRW**

PROJECT CONTACT/PHONE #: Donna Scott, (540) 507-7226

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Upgrade Community Development's CRW system to Trakit-9 system.

PROJECT OBJECTIVE: The current system is nearing the end of its useful life and will no longer be supported by the vendor. Therefore an upgrade is needed for the Community Development system in order to serve our customers.

TOTAL CAPITAL PROJECT COST:

$461,395

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$261,395

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$200,000	$0	$0	$0	$0	$200,000
Construction	$0	$0	$0	$0	$0	$0
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: **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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$3,314	$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	$0	$248,886	$0	$0	$248,886
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$252,200**	**$0**	**$0**	**$252,200**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$252,200	$0	$0	$252,200
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$252,200**	**$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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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 approx. 10,000 tons per month.

TOTAL CAPITAL PROJECT COST:

$15,791,875

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:

$2,586,017

COSTS PROJECTED BEYOND CIP PERIOD:

$3,807,983

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$200,975	$2,190,000	$446,850	$6,317,667	$242,383	$9,397,875
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$200,975**	**$2,190,000**	**$446,850**	**$6,317,667**	**$242,383**	**$9,397,875**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$200,975	$255,000	$446,850	$885,667	$242,383	$2,030,875
Construction	$0	$1,935,000	$0	$5,432,000	$0	$7,367,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$200,975**	**$2,190,000**	**$446,850**	**$6,317,667**	**$242,383**	**$9,397,875**
- 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:

$2,175,000

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$595,000	$350,000	$605,000	$525,000	$2,175,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$100,000**	**$595,000**	**$350,000**	**$605,000**	**$525,000**	**$2,175,000**
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	$100,000	$595,000	$350,000	$605,000	$525,000	$2,175,000
Total Projected Capital Expenditures	**$100,000**	**$595,000**	**$350,000**	**$605,000**	**$525,000**	**$2,175,000**
- 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:

$2,270,000

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$490,000	$530,000	$350,000	$325,000	$575,000	$2,270,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$490,000**	**$530,000**	**$350,000**	**$325,000**	**$575,000**	**$2,270,000**
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	$490,000	$530,000	$350,000	$325,000	$575,000	$2,270,000
Total Projected Capital Expenditures	**$490,000**	**$530,000**	**$350,000**	**$325,000**	**$575,000**	**$2,270,000**
- 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 Passive Park**

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

PROJECT LOCATION:

Belmont Road

PROJECT DESCRIPTION: Open field with Piedmont terrain will support a paved parking area including handicapped accessible parking, VDOT standard entrance with tapers, pervious concrete walking trails and stormwater facilities as required by the County Code for public use. A site plan was done in FY 2008 and a permanent drainage easement is required to be dedicated to VDOT for approval to construct.

PROJECT OBJECTIVE: This park will provide a passive park for walking and picnics.

TOTAL CAPITAL PROJECT COST: $472,987

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2008 / FY 2019	County owns land	FY 2020

PRIOR YEAR BUDGETS: $52,987

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$40,000	$49,916	$0	$0	$89,916
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	$330,084	$0	$0	$330,084
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$40,000**	**$380,000**	**$0**	**$0**	**$420,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$40,000	$0	$0	$0	$40,000
Construction	$0	$0	$380,000	$0	$0	$380,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$40,000**	**$380,000**	**$0**	**$0**	**$420,000**
- 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	$12,144	$12,751	$24,895
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$12,144**	**$12,751**	**$24,895**

DEPARTMENT: **Parks & Recreation**

PROJECT NAME: **Livingston Community Center**

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

PROJECT LOCATION:

On the Livingston landfill property.

PROJECT DESCRIPTION: Construction of a 3,000 square foot community center complete with a kitchen, meeting rooms, storage space, restrooms, and adjacent parking.

PROJECT OBJECTIVE: Citizens of Livingston District have requested a community building that is located to better serve their needs. Currently, the closest building is at Todds Tavern.

TOTAL CAPITAL PROJECT COST: $715,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2022	County owns land	FY 2023

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$65,000	$650,000	$715,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$65,000**	**$650,000**	**$715,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$65,000	$0	$65,000
Construction	$0	$0	$0	$0	$650,000	$650,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$65,000**	**$650,000**	**$715,000**
- 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: **Marshall Center Auditorium Upgrades**

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

PROJECT LOCATION:

Auditorium in Marshall Center located across from Spotsylvania Middle School on Business Route 208

PROJECT DESCRIPTION: Improvements include installation of theatrical lighting, sound system, control room for lights and sound, and a fire proof curtain. These improvements allow for musical performances and recitals, in addition to meetings and public presentations requiring sound projection, audio / visual and lighting.

PROJECT OBJECTIVE: During FY 2009-2010 the auditorium was made available for meetings and public use by completing roof repairs, bathroom renovation and repair of interior water damage. However, the existing air handler for the HVAC system causes noise in the stage area. The lack of theatrical sound, lighting and dressing room area prevents the old high school auditorium from being used for recitals and theatrical events. The HVAC noise will not be addressed through this project.

TOTAL CAPITAL PROJECT COST: $871,248

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS: $567,248

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$298,700	$298,700
Service Charge	$0	$0	$0	$0	$0	$0
Other (Donations)	$0	$0	$0	$0	$5,300	$5,300
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	$61,000	$61,000
Construction	$0	$0	$0	$0	$243,000	$243,000
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 & Recreation**

PROJECT NAME: **Ni River Park**

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

PROJECT LOCATION:

Next to Ni River Middle School

PROJECT DESCRIPTION: Facility will include ball fields, soccer fields, paved access road with parking and restrooms on County-owned land adjacent to Ni River Middle School as per conceptual plans completed in FY 2013.

PROJECT OBJECTIVE: This project is planned as a district style park as described in the County's Comprehensive Plan.

TOTAL CAPITAL PROJECT COST: $3,373,061

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2019 / FY 2020	County owns land	FY 2021

PRIOR YEAR BUDGETS: $3,061

COSTS PROJECTED BEYOND CIP PERIOD: $3,020,000

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$17,746	$0	$17,746
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	$32,254	$300,000	$332,254
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$50,000**	**$300,000**	**$350,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$50,000	$300,000	$350,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$50,000**	**$300,000**	**$350,000**
- 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: **Minor Regrading & Fence Replacement**

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

PROJECT LOCATION:

Chewning Park, Cosner Park, Lee Hill Park,
Legion Complex, Marshall Park and
Mary L. Carter Park

PROJECT DESCRIPTION: Chewning Park - Replace two (2) existing baseball field fences. Cosner Park - Replace two (2) existing baseball field fences / tennis court fence / fence along river on north side of facility and fencing around community center. Lee Hill Park - Minor regrading prior to replacement of existing fence on two (2) baseball fields and fence along northwest property line between neighboring trailer court and park. Legion Complex - Replace one (1) baseball fence / replace one (1) softball fence / replace fence on south side of property line. Marshall Park - Replace fence on south side of property line and along road front.

PROJECT OBJECTIVE: To replace old deteriorating fencing in need of repairs due to damage, rust and unsafe conditions.

TOTAL CAPITAL PROJECT COST:

$367,100

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$367,100	$0	$0	$0	$0	$367,100
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$367,100**	**$0**	**$0**	**$0**	**$0**	**$367,100**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$367,100	$0	$0	$0	$0	$367,100
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$367,100**	**$0**	**$0**	**$0**	**$0**	**$367,100**
- 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: **Parking and Drainage Repairs: Lee Hill, Patriot, and Harrison Road Parks**

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

PROJECT LOCATION:

Lee Hill Park, Patriot Park, Harrison Road Park

PROJECT DESCRIPTION:

Lee Hill Park - Repair and resurface Lee Hill Parking Lot - Regrade sinking trenches on ballfields with new topsoil. Harrison Road Park - Regrade settling areas to achieve proper run off flow. Regrade and Modify Parking Lot and Access Road due to sinking trenches. Patriot Park - Repair settling, sidewalk and access road areas throughout the park at Storm Sewer DI's and Storm Sewer intersecting areas along the roadway, install concrete ditch work to repair severe ditch erosion along each side of the park access road and along Massaponax Church Road at the Massaponax Church Road entrance.

PROJECT OBJECTIVE:

Repair pavement and provide proper onsite drainage at the Lee Hill, Patriot Park, and Harrison Road Park facilities.

TOTAL CAPITAL PROJECT COST:

$300,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$300,000	$0	$0	$0	$0	$300,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$300,000**	**$0**	**$0**	**$0**	**$0**	**$300,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$300,000	$0	$0	$0	$0	$300,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$300,000**	**$0**	**$0**	**$0**	**$0**	**$300,000**
- 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 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 2021	N/A	FY 2022

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$0	$515,000	$0	$515,000
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$515,000**	**$0**	**$515,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$515,000	$0	$515,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$515,000**	**$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: **Basketball Court Repairs & Resurfacing**

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

PROJECT LOCATION:

Loriella Park - 10910 Leavells Road
Patriot Park - 5710 Smith Station Road
Cosner Park - 1 H.C.C. Drive
Marshall Park - 8525 Courthouse Road

PROJECT DESCRIPTION: To occur at four park locations:
Repair court cracks; replace padding on poles; and resurface and stripe courts with an acrylic surface.

PROJECT OBJECTIVE: Maintain and uprade court playability and safety.

TOTAL CAPITAL PROJECT COST: $119,400

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$119,400	$0	$0	$0	$0	$119,400
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$119,400**	**$0**	**$0**	**$0**	**$0**	**$119,400**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$119,400	$0	$0	$0	$0	$119,400
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$119,400**	**$0**	**$0**	**$0**	**$0**	**$119,400**
- 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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$2,250,000	$0	$2,250,000
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	$2,000,000	$2,000,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$0**	**$0**	**$0**	**$2,250,000**	**$2,000,000**	**$4,250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$2,250,000	$2,000,000	$4,250,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$2,250,000**	**$2,000,000**	**$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	$0	$225,000	$219,375	$444,375
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$225,000**	**$219,375**	**$444,375**

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 2022 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:

$5,500,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$31,464	$0	$0	$0	$0	$31,464
General Obligation Bond	$0	$2,500,000	$1,000,000	$0	$0	$3,500,000
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	$468,536	$0	$1,500,000	$0	$0	$1,968,536
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$500,000**	**$2,500,000**	**$2,500,000**	**$0**	**$0**	**$5,500,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$500,000	$0	$0	$0	$0	$500,000
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	**$500,000**	**$2,500,000**	**$2,500,000**	**$0**	**$0**	**$5,500,000**
- Additional Positions (FTEs)	0.00	0.00	0.00	18.00	18.00	18.00
Estimated Add'l Operational Costs						
- Personnel	$0	$0	$0	$1,250,000	$1,285,000	$2,535,000
- Debt service	$0	$250,000	$343,750	$335,000	$326,250	$1,255,000
- Utilities, insurance, maintenance	$0	$0	$0	$81,446	$84,110	$165,556
Total Est Add'l Operational Costs	**$0**	**$250,000**	**$343,750**	**$1,666,446**	**$1,695,360**	**$3,955,556**

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:

$5,250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2021	FY 2019	FY 2022 - FY 2023

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$789	$0	$789
General Obligation Bond	$0	$0	$2,500,000	$2,475,000	$0	$4,975,000
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	$250,000	$0	$0	$24,211	$0	$274,211
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$250,000**	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$5,250,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$250,000	$0	$0	$0	$0	$250,000
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	**$250,000**	**$0**	**$2,500,000**	**$2,500,000**	**$0**	**$5,250,000**
- 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	$250,000	$491,250	$478,813	$1,220,063
- Utilities, insurance, maintenance	$0	$0	$0	$0	$84,110	$84,110
Total Est Add'l Operational Costs	**$0**	**$0**	**$250,000**	**$491,250**	**$562,923**	**$1,304,173**

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: $14,099,572

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$2,965,000	$2,650,311	$2,473,232	$0	$8,088,543
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	$3,423,868	$0	$0	$0	$2,518,431	$5,942,299
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$68,730	$0	$0	$0	$0	$68,730
Total Projected/Requested Funding	**$3,492,598**	**$2,965,000**	**$2,650,311**	**$2,473,232**	**$2,518,431**	**$14,099,572**
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	$3,492,598	$2,965,000	$2,650,311	$2,473,232	$2,518,431	$14,099,572
Total Projected Capital Expenditures	**$3,492,598**	**$2,965,000**	**$2,650,311**	**$2,473,232**	**$2,518,431**	**$14,099,572**
- 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	$409,303	$768,726	$1,082,695	$1,053,622	$3,314,346
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$409,303**	**$768,726**	**$1,082,695**	**$1,053,622**	**$3,314,346**

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:

$296,581

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$171,569

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$78,600	$46,412	$0	$0	$0	$125,012
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$78,600**	**$46,412**	**$0**	**$0**	**$0**	**$125,012**
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	$78,600	$46,412	$0	$0	$0	$125,012
Total Projected Capital Expenditures	**$78,600**	**$46,412**	**$0**	**$0**	**$0**	**$125,012**
- 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: **IV Pumps**

PROJECT CONTACT/PHONE #: Greg Leitz, (540) 507-7900

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: These units are used for cardiac arrests or patients who need advanced level of care, such as rapid sequence intubation. Frequently when a patient has a return of a pulse, they may require an intraveous infusion that has to be within a theraputic range. It is very difficult to count the drops while the ambulance is transporting. Currently, there are seven (7) medications that are considered infusions. IV pumps provide a pre-set amount of drops and prevent over/underdosing the patient thus improving patient safety. Total quantity is 16 pumps to outfit all primary career/volunteer units. Life cycle is anticipated at 8 years per pump.

PROJECT OBJECTIVE: To improve patient safey and outcomes. With the possiblity of a critically ill or injuried patient, there is a need for concise medication dosages to be administered. Currently, our providers need to continually reassess to assure the intravenous infusing is flowing and at the proper doseage. This is very difficult in a moving ambulance.

TOTAL CAPITAL PROJECT COST:

$80,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$80,000	$0	$0	$0	$0	$80,000
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$80,000**	**$0**	**$0**	**$0**	**$0**	**$80,000**
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	$80,000	$0	$0	$0	$0	$80,000
Total Projected Capital Expenditures	**$80,000**	**$0**	**$0**	**$0**	**$0**	**$80,000**
- 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: **Department of Fire, Rescue, and Emergency Management**

PROJECT NAME: **Retrofit CY 2015 Ambulances with Liquid Springs**

PROJECT CONTACT/PHONE #: Greg Leitz, (540) 507-7900

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION:

Emergency vehicles must often transport quickly, and often on rough roads; however, the first responders needs to be able to work regardless of road conditions. The proposed liquid springs will provide a more stable ride for the patients as they are being transported to the hospital which is vital for a critical patient. Additionally, the suspension modifications will aid in eliminating complications associated with loading patients with the stretcher lift and retention systems. The current difference in height between the stretchers and the units often creates significant challenges to providers when loading a patient into the ambulances.

PROJECT OBJECTIVE:

The proposed liquid springs retro-fit are for eight (8) 2015 Horton ambulances. This will enhance provider safety and provide a smoother, mor comfortable ride to the hospital. This system lowers the rear of the ambulance to aid in matching the PowerLoad to the ambulance cot. This option is already included on all new units ordered since 2016.

TOTAL CAPITAL PROJECT COST:

$120,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$120,000	$0	$0	$0	$0	$120,000
Service Charge	$0	$0	$0	$0	$0	$0
Other (Interest Earnings)	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$120,000**	**$0**	**$0**	**$0**	**$0**	**$120,000**
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	$120,000	$0	$0	$0	$0	$120,000
Total Projected Capital Expenditures	**$120,000**	**$0**	**$0**	**$0**	**$0**	**$120,000**
- 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**

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: $7,972,000

COSTS PROJECTED BEYOND CIP PERIOD: $0

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$98,265	$0	$0	$0	$0	$98,265
General Obligation Bond	$3,053,823	$0	$2,973,850	$6,525,020	$0	$12,552,693
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)	$98,965	$0	$0	$0	$0	$98,965
Total Projected/Requested Funding	**$3,251,053**	**$0**	**$2,973,850**	**$6,525,020**	**$0**	**$12,749,923**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$3,251,053	$0	$2,973,850	$6,525,020	$0	$12,749,923
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$3,251,053**	**$0**	**$2,973,850**	**$6,525,020**	**$0**	**$12,749,923**
- 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	$267,210	$261,484	$553,143	$1,192,484	$1,163,011	$3,437,332
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$267,210**	**$261,484**	**$553,143**	**$1,192,484**	**$1,163,011**	**$3,437,332**

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.

	Planning & Design	Property Acquisition	Construction/Implementation
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:			FY 2022

PRIOR YEAR BUDGETS: $1,510,669

COSTS PROJECTED BEYOND CIP PERIOD: $0

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$1,000,000	$0	$271,366	$0	$1,271,366
General Obligation Bond	$0	$0	$0	$2,128,634	$0	$2,128,634
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**	**$1,000,000**	**$0**	**$2,400,000**	**$0**	**$3,400,000**
Projected Capital Expenditures:						
Land	$0	$1,000,000	$0	$0	$0	$1,000,000
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$2,400,000	$0	$2,400,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$1,000,000**	**$0**	**$2,400,000**	**$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	$0	$0	$0	$212,863	$207,542	$420,405
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$212,863**	**$207,542**	**$420,405**

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. $2.5 million has been 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 2019	FY 2021	FY 2023

PRIOR YEAR BUDGETS: $0

COSTS PROJECTED BEYOND CIP PERIOD: $0

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$1,000,000	$0	$1,500,000	$0	$0	$2,500,000
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	**$1,000,000**	**$0**	**$1,500,000**	**$0**	**$0**	**$2,500,000**
Projected Capital Expenditures:						
Land	$500,000	$0	$0	$0	$0	$500,000
Professional Services	$500,000	$0	$0	$0	$0	$500,000
Construction	$0	$0	$1,500,000	$0	$0	$1,500,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$1,000,000**	**$0**	**$1,500,000**	**$0**	**$0**	**$2,500,000**
- 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	$87,500	$85,625	$233,750	$228,125	$222,500	$857,500
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$87,500**	**$85,625**	**$233,750**	**$228,125**	**$222,500**	**$857,500**

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 has been applied for through the State's Revenue Sharing program. Only the County's share of project costs is shown below.

	Planning & Design	Property Acquisition	Construction/Implementation
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	FY 2019	FY 2020	FY 2021
PRIOR YEAR BUDGETS:	$0		
COSTS PROJECTED BEYOND CIP PERIOD:	$0		

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

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$600,000	$0	$900,000	$0	$0	$1,500,000
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	**$600,000**	**$0**	**$900,000**	**$0**	**$0**	**$1,500,000**
Projected Capital Expenditures:						
Land	$375,000	$0	$0	$0	$0	$375,000
Professional Services	$225,000	$0	$0	$0	$0	$225,000
Construction	$0	$0	$900,000	$0	$0	$900,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$600,000**	**$0**	**$900,000**	**$0**	**$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	$52,500	$51,375	$140,250	$136,875	$133,500	$514,500
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$52,500**	**$51,375**	**$140,250**	**$136,875**	**$133,500**	**$514,500**

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. $1.65 million has been awarded through and another $3.55 million has been 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 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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$22,419	$0	$22,419
General Obligation Bond	$0	$0	$0	$3,527,581	$0	$3,527,581
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**	**$3,550,000**	**$0**	**$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	$3,550,000	$0	$3,550,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$3,550,000**	**$0**	**$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	$352,758	$343,939	$696,697
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$352,758**	**$343,939**	**$696,697**

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$2,878,750	$2,878,750	$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**	**$0**	**$2,878,750**	**$2,878,750**	**$5,757,500**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$2,878,750	$2,878,750	$5,757,500
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$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	$0	$287,875	$568,553	$856,428
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$287,875**	**$568,553**	**$856,428**

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 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$0	$0	$0	$2,878,750	$2,878,750	$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**	**$0**	**$2,878,750**	**$2,878,750**	**$5,757,500**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$0	$0	$0	$2,878,750	$2,878,750	$5,757,500
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$0**	**$0**	**$0**	**$2,878,750**	**$2,878,750**	**$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	$0	$287,875	$568,553	$856,428
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$0**	**$0**	**$0**	**$287,875**	**$568,553**	**$856,428**

DEPARTMENT: **Planning**

PROJECT NAME: **Improvements to Bring Roads in Bloomsbury to State Standards**

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

PROJECT LOCATION:

Bloomsbury neighborhood off Rt. 208

PROJECT DESCRIPTION: Construction of improvements to bring the roadways in the Bloomsbury subdivision up to State standards ahead of being turned over to the State for maintenance.

PROJECT OBJECTIVE: Construction of improvements to bring the roadways in the Bloomsbury subdivision up to State standards ahead of being turned over to the State for maintenance.

TOTAL CAPITAL PROJECT COST:

$600,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$600,000	$0	$0	$0	$0	$600,000
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	**$600,000**	**$0**	**$0**	**$0**	**$0**	**$600,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$0	$0	$0	$0	$0	$0
Construction	$600,000	$0	$0	$0	$0	$600,000
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$600,000**	**$0**	**$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	$52,500	$51,375	$50,250	$49,125	$48,000	$251,250
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$52,500**	**$51,375**	**$50,250**	**$49,125**	**$48,000**	**$251,250**

DEPARTMENT: **Planning**

PROJECT NAME: **Right Turn Lane at Lansdowne Road & Rt. 2**

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

PROJECT LOCATION:

Intersection of Lansdowne Road and Rt. 2

PROJECT DESCRIPTION: Design, right-of-way, and construction of a limited turn lane from Lansdowne Road onto Rt. 2.

PROJECT OBJECTIVE: Construction of the turn lane is expected to improve the traffic backups along Lansdowne Road.

TOTAL CAPITAL PROJECT COST:

$1,000,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	5-Year Total
Financing/Funding Methods:						
Proffers	$0	$0	$0	$0	$0	$0
General Obligation Bond	$1,000,000	$0	$0	$0	$0	$1,000,000
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	**$1,000,000**	**$0**	**$0**	**$0**	**$0**	**$1,000,000**
Projected Capital Expenditures:						
Land	$400,000	$0	$0	$0	$0	$400,000
Professional Services	$250,000	$0	$0	$0	$0	$250,000
Construction	$350,000	$0	$0	$0	$0	$350,000
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	$87,500	$85,625	$83,750	$81,875	$80,000	$418,750
- Utilities, insurance, maintenance	$0	$0	$0	$0	$0	$0
Total Est Add'l Operational Costs	**$87,500**	**$85,625**	**$83,750**	**$81,875**	**$80,000**	**$418,750**

DEPARTMENT: **Planning**

PROJECT NAME: **Study for Revitalization of Rt. 1**

PROJECT CONTACT/PHONE #: Wanda Parrish, (540) 507-7425

PROJECT LOCATION:

N/A

PROJECT DESCRIPTION: Study of potential revitalization approaches along Rt. 1.

PROJECT OBJECTIVE: Study of potential revitalization approaches along Rt. 1.

TOTAL CAPITAL PROJECT COST:

$65,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

$0

COSTS PROJECTED BEYOND CIP PERIOD:

$0

Projected Project Revenues & Expenditures

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	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	$65,000	$0	$0	$0	$0	$65,000
Service Charge	$0	$0	$0	$0	$0	$0
Other ( )	$0	$0	$0	$0	$0	$0
Total Projected/Requested Funding	**$65,000**	**$0**	**$0**	**$0**	**$0**	**$65,000**
Projected Capital Expenditures:						
Land	$0	$0	$0	$0	$0	$0
Professional Services	$65,000	$0	$0	$0	$0	$65,000
Construction	$0	$0	$0	$0	$0	$0
Vehicles & Equipment	$0	$0	$0	$0	$0	$0
Total Projected Capital Expenditures	**$65,000**	**$0**	**$0**	**$0**	**$0**	**$65,000**
- 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**

School Capital Projects

COUNTY OF SPOTSYLVANIA · VIRGINIA
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School Capital Projects

Renovate & Expand Courtland High School *(FY 19 – FY 23 costs = $27,500,000)*
Renovation of Courtland High School will provide additional capacity for future growth in student enrollment, expansion of labs, and development of specialty/magnet programming.

Transportation (*FY 19 – FY 23 costs = $20,048,732)*
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 117 77-passenger buses, 36 buses for special needs students, and two Head Start buses. Also included is purchase of five bus engines.

Capital Maintenance (*FY 19 – FY 23 costs = $21,978,500)*
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, refurbishing bleachers, flooring/carpeting, painting, replacement of window/door hardware, field unit vehicle replacements, etc.

Technology Replacements/Upgrades (*FY 19 – FY 23 costs = $15,659,314*)
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 and disk expansion throughout the school division. An updated technology infrastructure allows staff and parents to access more resources and communicate more effectively utilizing the latest applications.

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Utilities Capital Projects

COUNTY OF SPOTSYLVANIA · VIRGINIA
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Utilities Capital Projects

General Projects

Utility Lab/Office Expansion (*FY 19 – FY 23 costs = $2,000,000*)
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 19 – FY 23 costs = $1,050,000*)
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 pump at the Ni and Motts water 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 19 – FY 23 costs = $200,000*)
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 19 – FY 23 costs = $400,000*)
Extension/enlargement of water/sewer lines throughout the County to coincide with local improvements and development.

Water/Wastewater Treatment Plant SCADA Upgrades *(FY19 – FY 23 costs = $200,000)*
This project is for the implementation of a SCADA system to remotely monitor and operate all County water and wastewater treatment plants. This includes SCADA monitoring of all plant pumps, clarifiers and filters necessary for operation. The SCADA system also includes monitoring and adjustment of chemical storage and feed equipment and the plants.

Utilities Master Plan (*FY 19 – FY 23 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

Motts Water Treatment Plant Expansion (*FY 19 – FY 23 costs = $40,000,000*)
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.

Southpoint 12" Waterline Replacement (*FY 19 – FY 23 costs = $175,000*)
Replacement of existing 12" cast iron water line under Rt. 1 at entrance to Southpoint Parkway.

Ni River Water Treatment Plant Improvements/Expansion (*FY 19 – FY 23 costs = $7,000,000*)
This project consists of replacement of three different proprietary coagulation and flocculation systems with a single system, improvements to the filtration system, modernization of the control system, replacement of the undersized residuals force main, and other improvements. The project is necessary to assure that the plant can treat and deliver its permitted 6 MGD of production. The project will also improve plant reliability and redundancy.

Loren Dr./Harrison Rd. Waterline (formerly Falcon Dr. Ext.) (*FY 19 – FY 23 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.

Thornburg Distribution Improvements (*FY 19 – FY 23 costs = $5,000,000*)
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.

Spotswood 2" Waterline Upgrade (Southgate Drive) (*FY 19 – FY 23 costs = $125,000*)
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.

Water Meter Replacement Program (*FY 19 – FY 23 costs = $2,000,000*)
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.

Brock Road 16" Waterline (*FY 19 – FY 23 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.

Old Greenwich 2" Line Upgrade (*FY 19 – FY 23 costs = $250,000*)
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.

Waverly Village 2" Line Upgrade (*FY 19 – FY 23 costs = $225,000*)
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.

Tank Maintenance (*FY 19 – FY 23 costs = $275,000*)
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.

Maple Grove 2" Waterline (*FY 19 – FY 23 costs = $300,000*)
Replacement of 2" water line in Maple Grove subdivision with 6" water lines and fire hydrants.

Morris Road Waterline Improvements (*FY 19 – FY 23 costs = $250,000*)
This project consists of waterline improvements along Morris Road to occur once the VDOT roadway projects to improve Rt. 606 West are complete. This project is separate from and further west on Morris Road (Rt. 606) than the VDOT road projects occurring at Exit 118.

Rt. 1 Waterline Improvements – Cosner to Massaponax (*FY 19 – FY 23 costs = $500,000*)
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 19 – FY 23 costs = $1,000,000*)
Waterline improvements to occur between I-95 to Rt. 1 during VDOT's construction of roadway improvements to Rt. 606.

12" AC Line Replacements (*FY 19 – FY 23 costs = $700,000*)
This project will replace aging water lines in Catlett Farm and Hilldrup Farm areas with ductile iron lines.

Sewer Projects

I-95 to Woodland Drive – Phase II (*FY 19 – FY 23 costs = $1,200,000*)
A sewer line will be installed from I-95 to Woodland Drive to remove two pump stations and finish the Long Branch Interceptor.

Collection System Extensions (*FY 19 – FY 23 costs = $100,000*)
Extension of sanitary sewers into existing developments without public sewer and/or into areas with failing septic systems.

Elimination of Pump Stations 3 & 6 (*FY 19 – FY 23 costs = $350,000*)
This project is planned to eliminate two pump stations by constructing a gravity line to a new down-gradient pump station.

Old Greenwich Sewer Replacement (*FY 19 – FY 23 costs = $800,000*)
This project involves replacement of failing sewer infrastructure at the Old Greenwich townhouses.

Thornburg Wastewater Treatment Plant Upgrade (*FY 19 – FY 23 costs = $11,000,000*)
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.

Relocation of Pump Station 24 (*FY 19 – FY 23 costs = $1,700,000*)
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 19 – FY 23 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.

Deep Run Pump Station Rehabilitation (*FY 19 – FY 23 costs = $1,100,000*)
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.

Fawn Lake Pump Stations 27 & 58 (*FY 19 – FY 23 costs = $1,000,000*)
This project will rebuild pump station 58 and eliminate pump station 27 by constructing a gravity line to pump station 58.

Flow Metering (*FY 19 – FY 23 costs = $300,000*)
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.

Hazel Run Pump Station (*FY 19 – FY 23 costs = $8,451,756*)
This is a project shared with the City of Fredericksburg to construct a pump station that will redirect a combined City and County flow from the Hazel Run sewer shed to the Massaponax Wastewater Treatment Plant (WWTP). 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. This will help the County meet future water quality regulations.

FMC Decommissioning/Industrial Pump Station (*FY 19 – FY 23 costs = $1,700,000*)
This project is expected to be a shared project with the City of Fredericksburg and will decommission the FMC WWTP once the Massaponax WWTP expansion is complete.

Massaponax Wastewater Treatment Plant Expansion (*FY 19 – FY 23 costs = $47,000,000*)
This is expected to be a shared project with the City of Fredericksburg. The project will expand the Massaponax WWTP to handle all County sewer flow other than the Thornburg service area, and will process all of the City's flow, as well. 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.

Replacement Equipment – Field Services (*FY 19 – FY 23 costs = $535,000*)
This project includes funding to replace significant equipment used in operations of the water and sewer system.

Replacement Equipment – Composting (*FY 19 – FY 23 costs = $1,300,000*)
This project includes funding to replace significant equipment used in the composting operation.

Replacement Equipment – Heavy Vehicles (*FY 19 – FY 23 costs = $496,695*)
This project includes funding to replace significant heavy vehicles used in the water/sewer system operation.

COUNTY OF SPOTSYLVANIA · VIRGINIA
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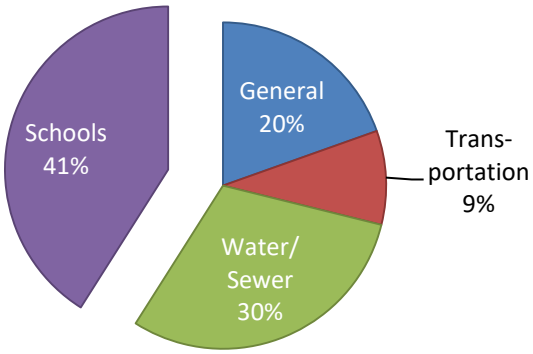
Debt Service

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, 2018 is $380.7 million and is broken down as follows:

Debt Type	Balance – June 30, 2018
General projects	$74.5 M
Transportation projects*	$35.4 M
Water and sewer projects	$114.7 M
School projects	$156.1 M
Total	**$380.7 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 153.

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 2019, it is estimated that $96.8 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:

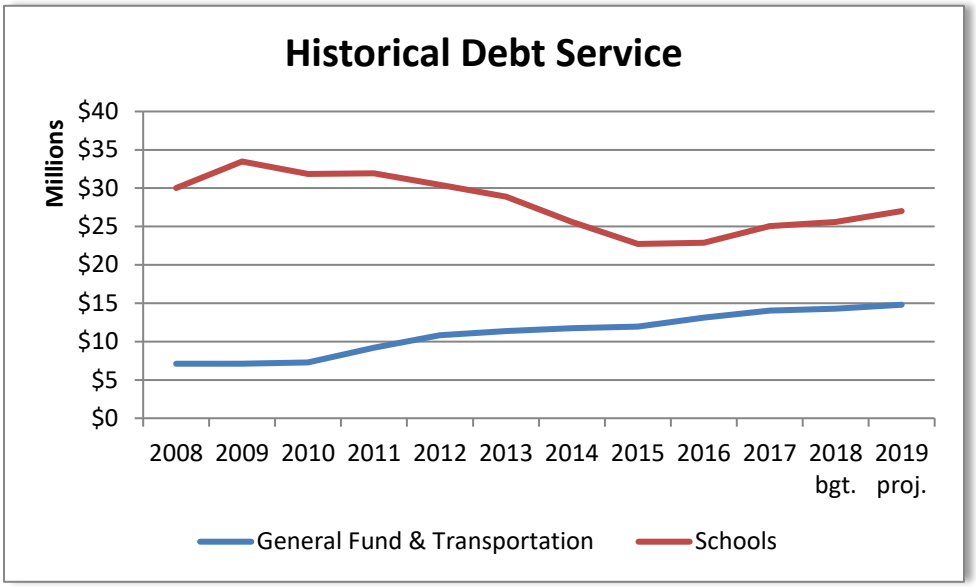
Referendum	Purpose	Potential Tax Rate Impact*
2001	Fire/Rescue	$0.05 per $100
2005	Transportation	$0.10 per $100
2005	Library & Parks	$0.01 per $100
2005	Public Safety	$0.06 per $100
2005	Schools	$0.05 per $100
2006	Schools	$0.04 per $100
2014	Public Safety	$0.03 per $100
2014	Transportation	$0.05 per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

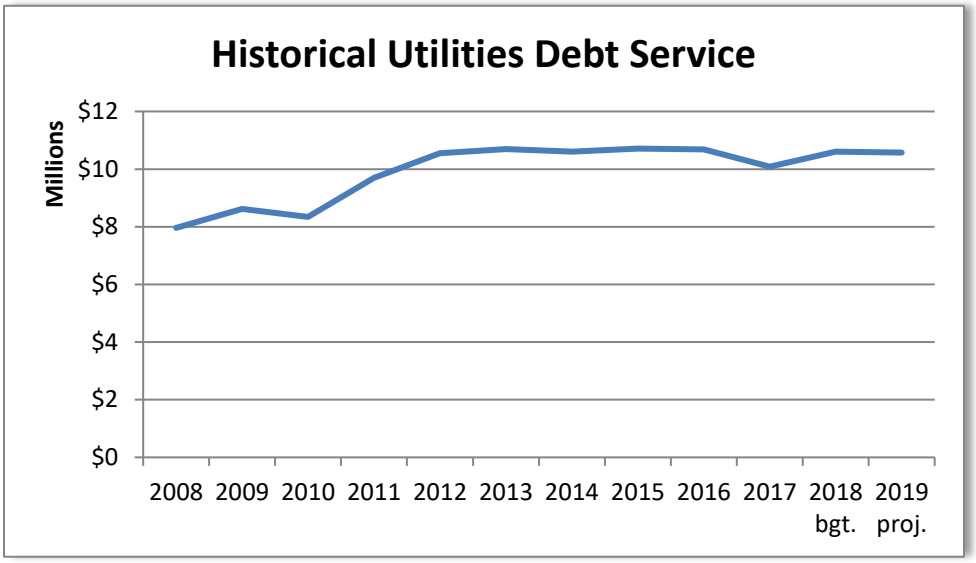
* This is the potential tax rate impact identified in materials distributed at the time of the referenda. Tax rate impact calculations were based on the value of one penny on the real property tax rate at the time of the referenda.

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 debt service. This 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 $40.4 million planned for issuance in Summer 2018 for the Animal Shelter renovations and expansion; CAD system upgrades; improvements at Exit 118; Rt. 3 operational improvements; the roundabout at Old Plank & Andora; Bloomsbury road improvements; a right turn lane at Lansdowne onto Rt. 2; 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
2019	$9,225,331	$4,620,950	$608,591	$340,258	$9,833,922	$4,961,208
2020	9,188,679	4,241,644	608,591	320,377	9,797,271	4,562,022
2021	9,278,588	3,855,584	608,591	300,497	9,887,179	4,156,081
2022	9,381,894	3,430,996	608,591	280,616	9,990,485	3,711,612
2023	9,505,871	2,995,874	608,591	260,735	10,114,462	3,256,609
2024	9,215,437	2,553,748	608,591	240,854	9,824,028	2,794,603
2025	8,907,240	2,117,943	608,591	220,974	9,515,831	2,338,917
2026	8,920,760	1,772,513	412,498	201,093	9,333,258	1,973,606
2027	8,945,089	1,435,834	412,498	185,624	9,357,588	1,621,459
2028	5,271,275	1,081,761	412,498	170,155	5,683,774	1,251,916
2029	5,091,275	853,408	412,498	154,687	5,503,774	1,008,095
2030	5,016,275	629,245	412,498	139,218	5,428,774	768,463
2031	3,156,275	438,455	412,498	123,749	3,568,774	562,205
2032	2,851,698	321,702	412,498	108,281	3,264,196	429,982
2033	2,261,698	216,605	412,498	92,812	2,674,196	309,417
2034	1,974,814	131,979	412,498	77,343	2,387,312	209,323
2035	1,474,456	53,655	412,498	61,875	1,886,954	115,530
2036	245,000	6,981	412,498	46,406	657,498	53,387
2037	30,000	938	412,498	30,937	442,498	31,875
2038	0	0	412,498	15,469	412,498	15,469
2039	0	0	0	0	0	0
	$109,941,656	**$30,759,816**	**$9,622,614**	**$3,371,962**	**$119,564,270**	**$34,131,777**

[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
2019	$17,708,263	$6,249,030	$1,998,190	$1,061,325	$19,706,452	$7,310,355
2020	16,252,780	5,495,437	1,998,190	997,239	18,250,969	6,492,677
2021	15,950,386	4,776,299	1,998,190	933,154	17,948,575	5,709,453
2022	15,584,106	4,058,358	1,998,190	869,069	17,582,295	4,927,427
2023	14,131,128	3,360,520	1,998,190	804,983	16,129,318	4,165,503
2024	11,272,563	2,748,497	1,998,190	740,898	13,270,753	3,489,395
2025	11,353,760	2,272,887	1,998,190	676,812	13,351,950	2,949,700
2026	11,219,240	1,855,107	1,511,678	612,727	12,730,918	2,467,834
2027	11,260,911	1,487,954	1,511,678	559,588	12,772,589	2,047,543
2028	8,569,724	976,646	1,511,678	506,449	10,081,402	1,483,095
2029	7,217,724	700,577	1,511,678	453,310	8,729,402	1,153,887
2030	5,239,724	459,676	1,511,678	400,171	6,751,402	859,847
2031	4,423,724	313,609	1,156,775	347,033	5,580,499	660,641
2032	1,628,302	181,902	1,156,775	303,653	2,785,077	485,555
2033	1,298,302	133,691	1,156,775	260,274	2,455,077	393,965
2034	1,025,186	94,258	1,156,775	216,895	2,181,961	311,153
2035	800,544	61,507	1,156,775	173,516	1,957,319	235,023
2036	570,000	35,625	1,156,775	130,137	1,726,775	165,762
2037	570,000	17,813	1,156,775	86,758	1,726,775	104,571
2038	0	0	1,156,775	43,379	1,156,775	43,379
2039	0	0	0	0	0	0
	$156,076,367	**$35,279,393**	**$30,799,918**	**$10,177,373**	**$186,876,285**	**$45,456,765**

Utilities Debt

TOTAL UTILITIES DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2019	$5,680,000	$4,895,872	$0	$0	$5,680,000	$4,895,872
2020	5,903,000	4,665,387	0	0	5,903,000	4,665,387
2021	6,111,000	4,423,302	0	0	6,111,000	4,423,302
2022	6,383,000	4,149,217	0	0	6,383,000	4,149,217
2023	6,650,000	3,859,794	0	0	6,650,000	3,859,794
2024	6,937,000	3,556,279	0	0	6,937,000	3,556,279
2025	7,233,000	3,249,648	0	0	7,233,000	3,249,648
2026	7,522,000	2,928,379	0	0	7,522,000	2,928,379
2027	5,270,000	2,572,192	0	0	5,270,000	2,572,192
2028	5,457,000	2,362,094	0	0	5,457,000	2,362,094
2029	5,657,000	2,144,132	0	0	5,657,000	2,144,132
2030	5,845,000	1,922,808	0	0	5,845,000	1,922,808
2031	6,052,000	1,694,288	0	0	6,052,000	1,694,288
2032	6,272,000	1,452,213	0	0	6,272,000	1,452,213
2033	4,670,000	1,205,880	0	0	4,670,000	1,205,880
2034	4,819,000	1,027,587	0	0	4,819,000	1,027,587
2035	4,977,000	843,344	0	0	4,977,000	843,344
2036	3,815,000	647,642	0	0	3,815,000	647,642
2037	3,955,000	479,691	0	0	3,955,000	479,691
2038	1,750,000	305,573	0	0	1,750,000	305,573
2039	1,815,000	207,363	0	0	1,815,000	207,363
2040	1,880,000	105,506	0	0	1,880,000	105,506
2041	0	0	0	0	0	0
	$114,653,000	**$48,698,192**	**$0**	**$0**	**$114,653,000**	**$48,698,192**