

Capital Improvement Plan

Introduction

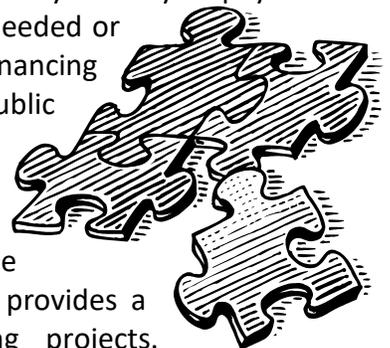
The Capital Improvement Plan (CIP) is a planning tool for development, modernization and/or replacement of County infrastructure, ensuring the County is able to maintain an effective level of services for citizens now and into the future. Each year the CIP is reviewed, priorities are reassessed, and 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 or 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	<ul style="list-style-type: none"> • New buildings and major renovations • New/replacement vehicles • Major maintenance as part of Facility Asset Management Program 	<ul style="list-style-type: none"> • Minor building repair and maintenance like replacement of light fixtures/changing of air filters • Preventative maintenance on vehicles
Information Technology	<ul style="list-style-type: none"> • Major new systems with high degree of customization • Large-scale upgrades such as those for enterprise systems • Ongoing replacement programs for computers and servers 	<ul style="list-style-type: none"> • Lease of office copiers • Recurring annual software license fees and maintenance fees • Computer needed for new position
Parks & Recreation	<ul style="list-style-type: none"> • Development of new parks and community centers • Major upgrades of existing facilities such as new baseball field lighting 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Construction of new fire stations • Ongoing replacement programs for Fire/Rescue equipment including trucks and ambulances 	<ul style="list-style-type: none"> • Building and grounds maintenance of training facilities • Certification and routine maintenance of existing Fire/Rescue equipment
Transportation	<ul style="list-style-type: none"> • New streets and roadways • Upgrades or reworking of exits and intersections 	<ul style="list-style-type: none"> • Litter control personnel • FRED bus service operating contributions • County’s annual share of VRE operating expenses

Financing Methods

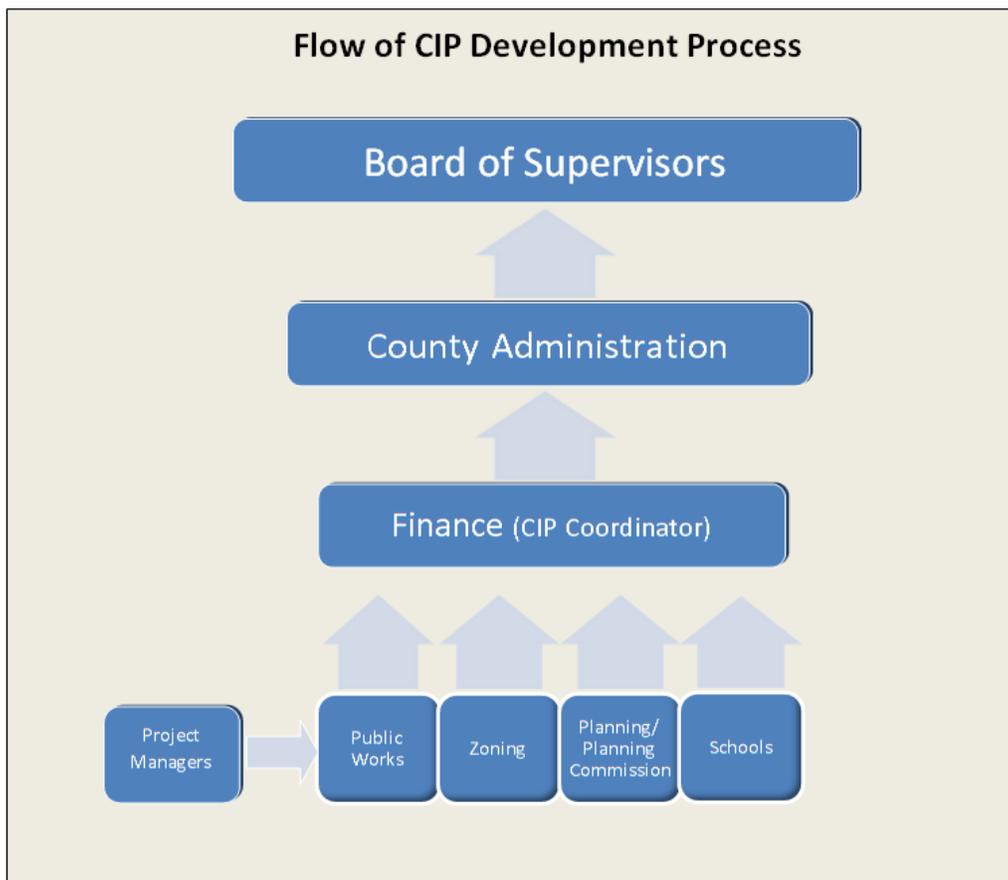
A range of financing methods exists. Some methods commonly used by the County are:

- **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 2021 transfer of 4.00% of General Fund Revenues with the increase being funded with one-time revenue. 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 Adopted Budget. Following the presentation of the Recommended Budget and CIP, the Board holds work sessions in March and April to discuss the Recommended CIP. A public hearing is held in March or April and the CIP is typically approved in April.

FY 2021 – FY 2025 CIP Development Calendar

September 16, 2019	Project managers submit project requests/revisions to Budget staff
October 2019	CIP Working Group review/discussion of projects
October 9, 2018	CIP work session – initial presentation of CIP concepts for Board comments
November 8, 2019	Schools submit Schools’ Draft CIP to County’s Budget staff
Week of November 11, 2019	CIP review meetings with 2 Board members at a time
December 10, 2019	CIP Work Session – Presentation of CIP concepts to Board for comment.
Mid December 2019	County Administrator makes final decisions on projects to include in Recommended CIP
Mid December 2019	Budget staff ensures debt service and operating costs for FY 2021 projects are included in Recommended Budget
February 11, 2020	Schools submit Schools’ Approved CIP to Finance
February 11, 2020	Presentation of County Administrator’s FY 2021 Recommended Budget and FY 2021 – FY 2025 CIP to Board of Supervisors
March 10, 2020	Budget/CIP Work Session
March 24, 2020	Budget/CIP Work Session
March 31, 2020	Budget, Tax Rate, and CIP public hearings – Courtland High School
April 7, 2020	Budget/CIP Work Session – Approve FY 2021 – FY 2025 CIP
April 9, 2020	Adoption of FY 2021 Budget and 2020 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:

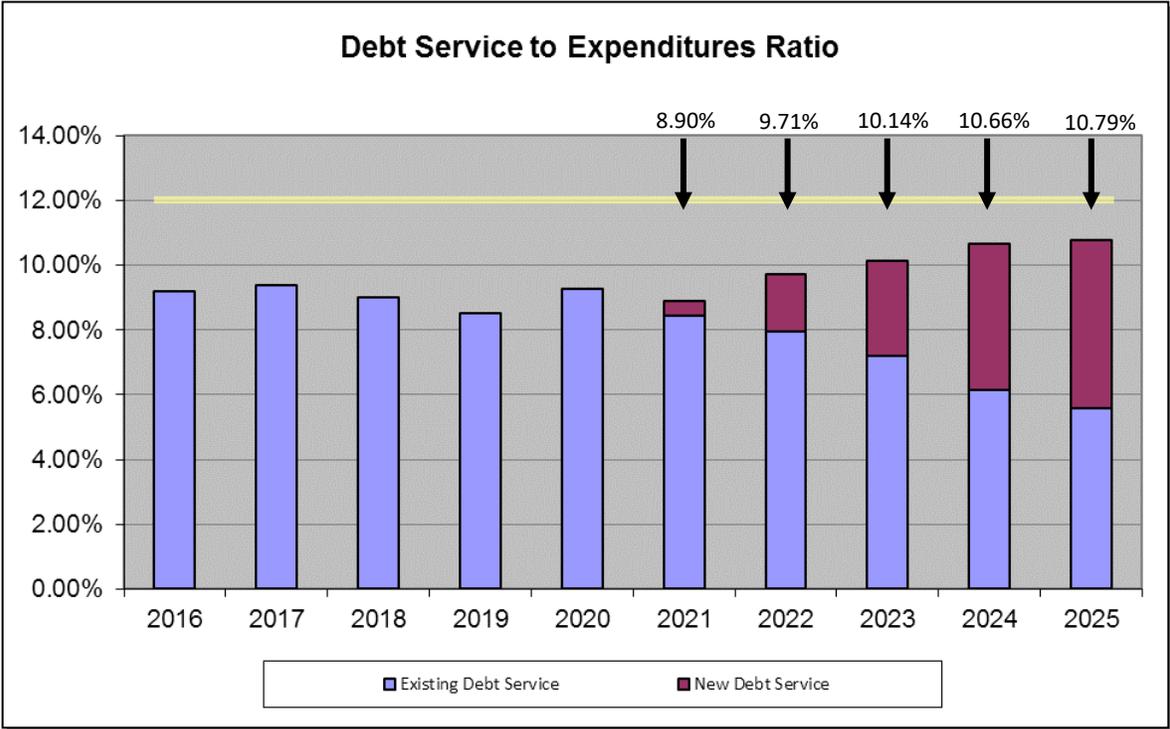
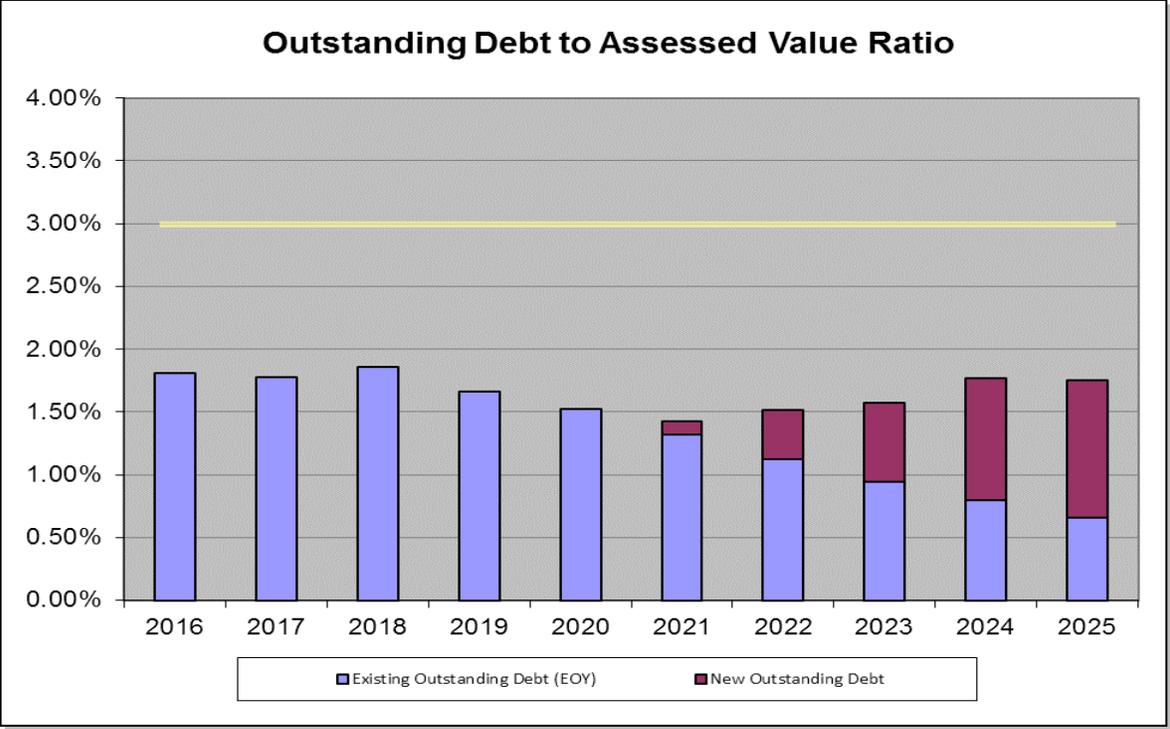
- Net debt as a percentage of estimated market value taxable should not exceed 3%.
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 12%. The County will work towards reducing this ratio to not more than 10% by the end of FY 2025.
- The County intends 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 in each out-year.
 - The interest rate paid on borrowed funds is fixed at 4.00%/2.80%/3.45% for 7/12/20 year bonds for the Summer 2020 issuance and is fixed at 5.00%/3.80%/4.45% for each 7/12/20 year issuance thereafter.
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The graphs below indicate that the revised FY 2021 – FY 2025 Recommended CIP is in compliance with the Board’s adopted fiscal policies, though given the issuance of debt planned in the CIP, we will not be able to meet the goal of reducing the debt service to expenditures ratio to less than 10% by FY 2025. 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 2021, including the financings to be issued in Summer 2020, total general debt outstanding is estimated at \$289.5 million. At the end of FY 2030 – ten fiscal years beyond FY 2021 – the County will have repaid \$239.9 million (82.87%) of the debt outstanding at the beginning of FY 2021.

10-Yr Payout Ratio (must be > 65%)	
FY	Payout Ratio
FY 2021	82.87%
FY 2022	80.17%
FY 2023	77.78%
FY 2024	73.93%
FY 2025	73.05%

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. For FY 2020, the Board voted to pause on adding another 0.25% for one year. However, in FY 2021, the 0.25% increase is reinstated using one-time funding, such that the FY 2021 transfer is budgeted at \$11.7 million, or 4.0% of General Fund revenues.

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 2021	FY 2022	FY 2023	FY 2024	FY 2025
Electricity Per Square Foot	\$1.42	\$1.48	\$1.53	\$1.59	\$1.66
Heating Fuel Per Square Foot	0.01	0.01	0.01	0.01	0.01
W/S Per Square Foot	0.05	0.06	0.06	0.06	0.07
Telephone Per Square Foot	0.09	0.10	0.10	0.10	0.11
Insurance Per Square Foot	0.04	0.04	0.04	0.04	0.05
Ongoing Maintenance Per Square Foot	3.69	3.80	3.91	4.03	4.15

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 2021 – FY 2025 CIP may have in the near future. The operating impacts occurring in FY 2021 are included in the Recommended Budget.

Projects/Type	FY 2022	FY 2023	FY 2024	FY 2025
General Government Projects				
Debt Service	\$184,500	\$179,888	\$583,025	\$568,219
Utilities/Maintenance/Insurance/Fuel	1,472,485	978,840	990,544	1,075,143
Parks & Recreation Projects				
Debt Service	0	0	900,000	1,877,500
Utilities/Maintenance/Insurance/Fuel	0	0	0	15,000
Fire & Rescue Projects				
Debt Service	1,096,062	1,645,795	2,318,071	2,254,670
Personnel (new station)	0	0	1,400,000	1,500,000
Utilities/Maintenance/Insurance/Fuel	26,552	112,384	256,468	355,514
Transportation Projects				
Debt Service	1,257,078	2,016,243	3,833,778	4,802,490
School Projects				
Debt Service	5,986,067	10,799,656	15,726,474	18,194,314
Total				
Debt Service	8,523,707	14,641,582	23,361,348	27,697,193
Personnel	0	0	1,400,000	1,500,000
Utilities/Maintenance/Insurance/Fuel	1,499,037	1,091,224	1,247,012	1,445,657
Total	\$10,022,744	\$15,732,806	\$26,008,360	\$30,642,850

The following table shows the potential impact that implementation of the FY 2021 – FY 2025 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 recommended 2020 real estate tax rate of \$0.8797 per \$100 of assessed value is equalized in the out-years. The “Additional D.S. Budget Needed” column represents the net new debt service that is over and above the debt service budgeted in FY 2021, 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 2021 Budget*.

FY 2021 – FY 2025 CIP’s Potential Impact on Tax Rate

FY	Value of \$0.01	Debt Service Impact			Operational Impact			Total Estimated Impact	
		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
2021	\$1,610,00	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2022	1,660,000	4,766,902	0.029	0.029	1,499,037	0.009	0.009	0.038	0.038
2023	1,710,000	8,225,305	0.048	0.019	1,091,224	0.006	-0.003	0.054	0.017
2024	1,760,000	12,572,456	0.071	0.023	2,647,012	0.015	0.009	0.086	0.032
2025	1,810,000	14,964,775	0.082	0.011	2,945,657	0.016	0.001	0.099	0.012
				\$0.082*				\$0.016*	\$0.099*

*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 9.9 cents on the real property tax rate by FY 2025 to pay the costs of added debt service and operating costs. Over the five-year period, 84% of the added costs are associated with debt service while the remaining 16% 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 145.

FY 2021 Capital Projects –

The capital projects budgets for FY 2021 total \$68.5 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 2020 to fund the Rt. 17 widening and bridge project, water/sewer projects, as well as the Schools’ capital projects for FY 2021. Due to the close proximity of time between budget approval and the start of implementation of school capital projects, the debt proceeds and project expenditures are included in the budget for the Schools’ Capital Projects Fund. However, neither debt proceeds nor project expenditures associated with the financings for County capital projects are included in the FY 2021 Recommended Budget. Upon finalizing the financing of the FY 2021 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 2021 Transportation Fund, Utilities Operating Fund, and School Operating Fund budgets.

Following are the significant capital projects included in the FY 2021 Budget:

Project	Cash Funding	Financed Costs	Total FY 2021 Costs
Facility Asset Management Program	\$871,200	-	\$871,200
Judicial Center renovation & expansion	1,600,000	-	1,600,000
Marshall Center major maintenance	348,800	-	348,800
Replacement general gov’t vehicles	1,587,863	-	1,587,863
Maintenance of County-owned stormwater	30,000	-	30,000
Safety & Security improvements	250,000	-	250,000
Technology improvements	4,882,097	-	4,882,097
Landfill & convenience cntr. Improvements	1,813,175	-	1,813,175
Replacement equip. – landfill operations	1,561,000	-	1,561,000
Add public water at Lick Run Center	150,000	-	150,000
Replacement of Co. 3 (Partlow) station	2,500,000	-	2,500,000
Co. 6 (Salem Church) Addition/Renovation	2,125,000	-	2,125,000
Replacement Fire/Rescue equipment	2,540,627	-	2,540,627
Improvements at Exit 118	475,177	2,754,823	3,230,000
Roundabout – Old Plank & Andora	397,830	202,170	600,000

Capital Improvement Plan

Project	Cash Funding	Financed Costs	Total FY 2021 Costs
Schools – Buses	-	3,795,992	3,795,992
Schools – Technology	-	2,309,924	2,309,924
Schools – Capital maintenance	-	11,895,000	11,895,000
Schools – Renovate/expand Spotsylvania Middle School	-	500,000	500,000
Water/sewer projects	28,544,825	24,210,739	52,755,564
FY 2021 Total Capital Projects*	\$49,677,594	\$45,668,648	\$95,346,242**

*Excludes personnel and operations costs. Reflects project only costs.

**Differs from figures on page 18 because this listing includes the County’s financed projects and the budget itself does not at this point in time. Once bonds are sold and finalized, a budget adjustment will occur to budget the financed projects. Also, the figures on page 18 include capital projects operating and personnel costs not shown above.

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 January 2020 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 166.
- Upon full build-out of the potential new development, there will be County-wide capacity to respond to an additional 5,251 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 2,617 calls, and 1,508 calls respectively. A planned new station, Company 12 - Massaponax, is anticipated to help provide relief to the overall fire and rescue system when built and operational.
- Currently, 24 of the 28 schools that are expected to be impacted by previously approved residential developments have student capacity available. A combined renovation and expansion at Courtland High School and a redistricting plan which took effect for the 2019 – 2020 school year alleviated some of the current high school overcrowding. However, upon build-out of the developments, 12 of the schools are expected to be over capacity. County-wide, elementary schools will have capacity of 519 seats; middle schools will be short by 734 seats; and high schools will be short by 467 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	416	0	0	0	237 / 175	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	38	0	0	0	22 / 16	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	0	0	0	132 / 97	Chancellor	Ni River	Riverbend	5
Estates at Buckingham	36	0	0	0	21 / 15	Berkeley	Post Oak	Spotsylvania	3
Whitehall	60	0	0	0	34 / 25	Brock Rd.	Ni River	Riverbend	7
Estates at Kingswood	3	0	0	0	2 / 1	Battlefield	Chancellor	Chancellor	4

Approved Development Inputs (continued):

Development	Units Approved but Unbuilt				Future Students / F/R Calls	Impacted Schools & F/R Stations			
	SFD	SFA	MF	AR		Elem.	Middle	High	F/R Station
Breckenridge Farms	17	0	0	0	9 / 7	Courthouse	Freedom	Courtland	1
Avalon Woods	96	0	0	0	56 / 40	Salem	Chancellor	Chancellor	6
Anna Vista Section 2	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	2
Pennington Estates	5	0	0	0	3 / 2	Courtland	Spotsylvania	Courtland	1
Pamunkey Point	18	0	0	0	10 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	222	0	0	54	127 / 104	Parkside	Spotsylvania	Courtland	4
Sunrise Bay	33	0	0	0	19 / 14	Livingston	Post Oak	Spotsylvania	9
Regency at Chancellorsville	0	0	0	60	0 / 12	n/a	n/a	n/a	5
Glenhaven/ River Glen	15	0	0	0	9 / 6	Chancellor	Chancellor	Riverbend	5
Reserve at Chancellorsville	18	0	0	0	10 / 8	Chancellor	Chancellor	Riverbend	5
Mallard Landing	0	72	0	0	41 / 24	Cedar Forest	Thornburg	Massaponax	11
Summerfield	2	0	0	0	1 / 1	Spotswood	Battlefield	Chancellor	4
Keswick	150	90	236	184	272 / 179	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	0	164	773	0	227 / 214	Riverview	Spotsylvania	Massaponax	8
Brooks	0	2	0	0	1 / 1	Cedar Forest	Thornburg	Massaponax	11
Estates at Terry's Run	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	9
Spotsylvania Courthouse Vil.	245	138	755	50	377 / 315	R.E. Lee	Spotsylvania	Spotsylvania / Courtland	1
Crossroads Station	0	0	610	0	105 / 126	Cedar Forest	Thornburg	Massaponax	11
New Post	200	67	0	0	153 / 106	Cedar Forest	Thornburg	Massaponax	11
Fortune's Landing	35	0	0	0	20 / 15	Wilderness	Ni River	Spotsylvania	5
Barley Woods	0	0	0	80	0 / 16	n/a	n/a	n/a	6
Heritage Woods	697	180	183	0	534 / 390	Parkside	Spotsylvania	Courtland/ Massaponax	1, 4, 8
Courtland Park	61	0	0	0	35 / 26	Courtland	Spotsylvania	Courtland	1
Southpoint Landing	0	0	550	0	94 / 113	Parkside	Battlefield	Courtland	4

Approved Development Inputs (continued):

Development	Units Approved but Unbuilt				Future Students / F/R Calls	Impacted Schools & F/R Stations			
	SFD	SFA	MF	AR		Elem.	Middle	High	F/R Station
Legends of Chancellorsville	218	0	0	0	124 / 92	Brock Rd./ Chancellor	Ni River	Riverbend	5
Wheatland	0	22	0	0	13 / 7	Lee Hill	Thornburg	Massaponax	11
Thorburn Estates	59	0	0	0	34 / 25	Wilderness	Freedom	Riverbend	10
Jackson Village	0	596	849	385	492 / 453	Parkside	Spotsylvania	Massaponax	4
Retreat at Chancellorsville	0	0	0	185	0 / 38	n/a	n/a	n/a	5
Alexander's Crossing	518	971	888	230	1,012 / 771	Riverview	Thornburg	Massaponax	11
Plantation Woods	132	0	0	0	75 / 55	Courtland	Spotsylvania	Spotsylvania	1
Goodwin Cove	35	0	0	0	20 / 15	Livingston	Post Oak	Spotsylvania	9
Cedar Forest	29	0	0	0	16 / 12	Cedar Forest	Thornburg	Massaponax	11
Summit Crossing Estates	70	0	0	0	40 / 29	Riverview	Thornburg	Massaponax	11
Barrington	39	0	0	0	22 / 16	Chancellor	Chancellor	Riverbend	5
Afton	29	0	0	0	16 / 12	Spotswood	Battlefield	Massaponax	4
Roseland	0	14	0	0	8 / 5	Spotswood	Battlefield	Massaponax	4
Ashleigh Ridge	19	0	0	0	10 / 8	Wilderness	Freedom	Riverbend	5
The Villas at Salem Church	0	0	0	45	0 / 9	n/a	n/a	n/a	6
Palmer's Creek	0	0	400	0	68 / 82	Parkside	Spotsylvania	Massaponax	8
Regency Crossing	0	21	0	0	12 / 7	Harrison Rd	Chancellor	Riverbend	6
Total	12,620				4,525/3,700				

SFD = Single Family Detached SFA = Single Family Attached MF = Multi-Family (apartments) AR = Age Restricted Units

*Units Approved but Unbuilt figures updated through May 2019.

Approved Development – School Impacts:

School	Capacity	October 2019 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	675	1	676	157
Berkeley	353	267	9	276	77
Brock Road	907	681	151	832	75
Cedar Forest	936	725	147	872	64
Chancellor	455	459	116	575	-120
Courthouse Road	907	812	4	816	91
Courtland	789	556	51	607	182
Harrison Road	936	812	6	818	118
Lee Hill	807	653	7	660	147
Livingston	504	393	27	420	84
Parkside	936	857	620	1,477	-541
Riverview	907	664	621	1,285	-378
Robert E. Lee	586	512	296	808	-223
Salem	815	612	25	637	178
Spotswood	641	553	12	565	76
Wilderness	936	699	29	728	208
Subtotal	12,248	9,930	2,122	12,052	195
Countywide Elementary	13,234	10,592	2,122	12,714	519

Middle					
Battlefield	807	859	32	891	-84
Chancellor	857	866	25	891	-34
Freedom	948	823	12	835	113
Ni River	774	723	130	853	-79
Post Oak	948	748	19	767	181
Spotsylvania	907	940	519	1,459	-552
Thornburg	790	746	323	1,069	-279
Subtotal	6,031	5,705	1,060	6,765	-734
Countywide Middle	6,031	5,705	1,060	6,765	-734

High					
Chancellor	1,427	1,317	19	1,336	91
Courtland	1,565	1,413	166	1,579	-14
Massaponax	1,830	1,745	693	2,438	-608
Riverbend	1,995	1,918	207	2,125	-130
Spotsylvania	1,611	1,204	262	1,466	145
Subtotal	8,428	7,597	1,347	8,944	-516
Countywide High	8,518	7,638	1,347	8,985	-467

Approved Development – Fire/Rescue Impacts:

Station	Capacity	2019 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1 - Courthouse	2,500	1,935	714	2,649	-149
2 - Brokenburg	2,500	838	4	842	1,658
3 – Partlow	2,500	558	15	573	1,927
4 – Four Mile Fork	2,500	4,298	819	5,117	-2,617
5 – Chancellor	2,500	1,309	308	1,617	883
6 – Salem Church	2,500	3,935	73	4,008	-1,508
7 – Wilderness	2,500	876	200	1,076	1,424
8 – Thornburg	2,500	1,118	426	1,544	956
9 – Belmont	2,500	518	40	558	1,942
10 – Salem Fields	2,500	1,360	25	1,385	1,115
11 – Lee Hill	2,500	1,803	1,077	2,880	-380
Subtotal	27,500	18,548	3,701	22,249	5,251
Countywide F/R*	27,500	18,548	3,701	22,249	5,251

*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 estimates following include neither the costs to equip the facilities nor the costs to staff the facilities.

(Please note that the following cost estimation figures have not been updated from those that appeared in the FY 2020 Adopted Budget. An update will be provided for the FY 2021 Adopted Budget document.)

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

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

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

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

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

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

Available Proffers & Use in FY 2021

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 balances the County held as of June 30, 2018; the proffers received and spent during FY 2019; and the proffers budgeted in FY 2020 and FY 2021.

Proffer Category	6/30/2018 Balance	Received FY 2019	Spent FY 2019	Budgeted Use FY 2020	Budgeted Use FY 2021
Fire/Rescue	\$34,960	\$430	\$ -	\$55,906	\$ -
Library	18,788	1,631	-	-	-
Recreation	80,091	1,725	-	12,295	-
Schools	365,846	76,925	-	-	-
Transportation	473,420	105,489	219,000	104,278	-
Gov't Facilities	40,200	1,775	-	6,818	-
Law Enforcement	33,979	629	-	-	-
Solid Waste	4,141	164	-	-	3,314
Planning Studies	16,600	-	-	-	-
PDR Program	632,633	-	-	-	-
Magnolia Harbor	9,344	2,169	-	11,513	-
Pamunkey Point	78,624	-	-	78,624	-
Fawn Lake Tower	-	20,000	20,000	-	-
Lafayette Crossing	37,168	-	-	37,168	-
Lakeside	757,308	-	-	757,308	-
Mallard Landing	406,019	113,964	69,097	405,661	45,225
Summerfield	1,510,680	225,398	1,510,680	83,824	141,575
Fortunes Landing	16,708	17,305	-	-	42,811
Jackson Village	55,443	239,853	-	203,694	91,602
Villas at Harrison	94,919	184,834	-	-	355,019
Wheatland Townes	600,000	-	-	600,000	-
Total	\$5,266,871	\$992,291	\$1,818,777	\$2,357,089	\$679,546

Capital Projects Staffing

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

Department/Position	FY 2019 Revised	FY 2020 Adopted	FY 2020 Revised	FY 2021 Recommended
Capital Projects Management				
Engineer II	1	1	1	1
Project Manager II	1	1	1	1
TOTAL FTEs	2	2	2	2
TOTAL FTEs Capital Projects	2	2	2	2

FY 2021 – FY 2025 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2021 – FY 2025 CIP. Funding sources are identified on pages 172– 184 by the following codes:

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

Spotsylvania County, Virginia
FY 2021 - FY 2025 Capital Improvement Plan
Project Summary By Fund

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2021-FY 2025 Total
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General Government Projects:

General Government and Judicial Facilities	\$9,569,960	\$8,348,703	\$8,026,500	\$11,608,442	\$5,462,310	\$43,015,914
Solid Waste	\$3,374,175	\$4,523,525	\$1,408,800	\$6,228,000	\$2,751,500	\$18,286,000
Parks and Recreation	\$150,000	\$1,400,000	\$619,500	\$10,235,000	\$10,000,000	\$22,404,500
Fire and Rescue Services	\$7,165,627	\$10,016,721	\$9,975,297	\$6,035,799	\$3,354,032	\$36,547,476
General Government Total	\$20,259,762	\$24,288,949	\$20,030,097	\$34,107,241	\$21,567,842	\$120,253,890

Transportation Total	\$3,830,000	\$9,968,628	\$7,900,000	\$18,710,000	\$10,660,000	\$51,068,628
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Schools Total	\$18,500,916	\$36,804,828	\$42,432,881	\$47,228,287	\$25,769,648	\$170,736,560
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Utility Projects:

General Utility Projects	\$1,500,000	\$1,150,000	\$4,650,000	\$7,600,000	\$7,000,000	\$21,900,000
Water Projects	\$8,155,000	\$9,970,000	\$8,615,400	\$6,606,040	\$14,171,618	\$47,518,058
Sewer Projects	\$43,100,564	\$36,214,640	\$17,113,033	\$13,120,643	\$110,000	\$109,658,880
Utilities Total	\$52,755,564	\$47,334,640	\$30,378,433	\$27,326,683	\$21,281,618	\$179,076,938

CIP Total, All Funds	\$95,346,242	\$118,397,045	\$100,741,411	\$127,372,211	\$79,279,108	\$521,136,016
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**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN**

GENERAL GOV'T EXPENDITURES

FY 2021 - FY 2025

Spotsylvania County, Virginia
FY 2021 Recommended Budget

172

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Gen. Gov't Facilities & Equip									
Facility Asset Management Program	on-going	C	\$871,200	\$511,536	\$389,000	\$505,000	\$500,000	\$2,776,736	on-going
Judicial Center Renovation & Expansion	\$14,325,006	C, IE, P	\$1,600,000	\$0	\$0	\$0	\$0	\$1,600,000	\$0
Major Maintenance (HVAC & electric) at Marshall Center	-	C, D	\$348,800	\$0	\$0	\$3,300,000	\$0	\$3,648,800	\$0
Add Generator to Merchants Sq. Building	-	C	\$0	\$397,000	\$0	\$0	\$0	\$397,000	\$0
Replacement Vehicles	on-going	C	\$1,587,863	\$1,500,000	\$1,500,000	\$1,500,000	\$1,500,000	\$7,587,863	on-going
New General Government Facility - OPERATING LEASE; NOT CAPITAL	\$550,000	C	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Stormwater Management Maintenance - County-Owned Property	on-going	C	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000	\$0
Safety & Security Improvements to County Facilities	-	C	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$0
Pavement Access to New Equipment Garage at the Public Safety Building	-	C, P	\$0	\$53,500	\$0	\$0	\$0	\$53,500	\$0
Addition to Public Safety Building	-	B-PS, FR-PS	\$0	\$845,000	\$3,827,500	\$4,077,500	\$0	\$8,750,000	\$0
Buildout of Storefront Library/Community Center in Massaponax Area	\$15,000	C	\$0	\$1,185,000	\$0	\$0	\$0	\$1,185,000	\$0
Subtotal - Gen. Gov't Facilities & Equip	\$14,890,006		\$4,687,863	\$4,772,036	\$5,996,500	\$9,662,500	\$2,280,000	\$27,398,899	\$0

Information Technology

Public Safety System Improvements:

Replacement of Chancellor Tower	-	B-PS	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0
Radio Replacement Program	on-going	C	\$615,000	\$615,000	\$615,000	\$615,000	\$615,000	\$3,075,000	on-going
In-Car Camera Replacement Program	on-going	C	\$256,667	\$256,667	\$0	\$0	\$250,000	\$763,333	on-going
Body Camera Replacement Program	on-going	C	\$0	\$0	\$60,000	\$60,000	\$60,000	\$180,000	on-going
Redundant Internet Service Provider Initiative	-	C	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Security Camera Replacement Program	on-going	C	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	on-going

Other System Improvements:

Replacement Computers and Servers	on-going	C	\$1,210,430	\$805,000	\$805,000	\$870,942	\$1,157,310	\$4,848,682	\$0
Personal Property System Replacement	\$450,000	C	\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0
Time Management System Replacement	-	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Enhancement of Information Security & Assurance	-	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Information Technology									
Other System Improvements (continued):									
Audio Visual System Upgrades	-	C	\$0	\$0	\$150,000	\$0	\$350,000	\$500,000	\$0
Software Upgrades for Security Camera & Entry Systems	-	C, IE	\$350,000	\$0	\$0	\$0	\$350,000	\$700,000	\$0
FOIA Software Implementation	-	C	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Broadband Expansion Initiative	-	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
Community Development System Replacement	-	C	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000	\$0
ARC GIS Platform Implementation	\$200,000	C	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	on-going
Subtotal - Information Technology	\$650,000		\$4,882,097	\$3,576,667	\$2,030,000	\$1,945,942	\$3,182,310	\$15,617,015	-
TOTAL GENERAL GOV'T EXPENDITURES	\$15,540,006		\$9,569,960	\$8,348,703	\$8,026,500	\$11,608,442	\$5,462,310	\$43,015,914	\$0

Spotsylvania County, Virginia
FY 2021 Recommended Budget

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

GENERAL GOV'T REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$9,369,735	\$6,469,095	\$8,026,500	\$7,525,642	\$5,462,310	\$36,853,281	\$0
Interest Earnings		IE	\$155,000	\$0	\$0	\$0	\$0	\$155,000	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$0	\$1,845,000	\$0	\$4,077,500	\$0	\$5,922,500	\$0
Proffers		P	\$45,225	\$34,608	\$0	\$0	\$0	\$79,833	\$0
Donations		D	\$0	\$0	\$0	\$5,300	\$0	\$5,300	\$0
TOTAL GENERAL GOV'T REVENUES			\$9,569,960	\$8,348,703	\$8,026,500	\$11,608,442	\$5,462,310	\$43,015,914	\$0

Spotsylvania County, Virginia
FY 2021 Recommended Budget

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN**

SOLID WASTE EXPENDITURES

FY 2021 - FY 2025

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities									
Active Gas Collection System in Add'l Cells	\$252,200	C, P	\$252,000	\$0	\$0	\$0	\$0	\$252,000	\$0
Convenience Center Paving	on-going	C	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	on-going
Livingston Landfill Development (MANDATE)	\$3,081,968	C	\$1,511,175	\$3,373,525	\$173,800	\$5,443,000	\$806,500	\$11,308,000	\$806,500
Subtotal - Construction/Closing Cells & Facilities	\$3,334,168		\$1,813,175	\$3,423,525	\$223,800	\$5,493,000	\$856,500	\$11,810,000	\$806,500
SOLID WASTE - Equipment Replacement									
Refuse Disposal Equip Replacement	on-going	C	\$1,096,000	\$415,000	\$625,000	\$140,000	\$1,400,000	\$3,676,000	on-going
Refuse Collection Equip Replacement	on-going	C	\$465,000	\$685,000	\$560,000	\$595,000	\$495,000	\$2,800,000	on-going
Subtotal - Solid Waste Equipment Replacement	-		\$1,561,000	\$1,100,000	\$1,185,000	\$735,000	\$1,895,000	\$6,476,000	\$0
TOTAL SOLID WASTE EXPENDITURES	\$3,334,168		\$3,374,175	\$4,523,525	\$1,408,800	\$6,228,000	\$2,751,500	\$18,286,000	\$806,500

SOLID WASTE REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$3,370,861	\$4,523,525	\$1,408,800	\$6,228,000	\$2,751,500	\$18,282,686	\$806,500
Proffer		P	\$3,314	\$0	\$0	\$0	\$0	\$3,314	\$0
TOTAL SOLID WASTE REVENUES			\$3,374,175	\$4,523,525	\$1,408,800	\$6,228,000	\$2,751,500	\$18,286,000	\$806,500

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
<i>PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities</i>									
Loriella Park Lighting Replacement - Phase I	-	C, CR	\$0	\$590,000	\$0	\$0	\$0	\$590,000	\$0
Loriella Park Lighting Replacement - Phase II	-	C	\$0	\$0	\$0	\$381,000	\$0	\$381,000	\$0
Lee Hill Park Lighting Replacement	-	C	\$0	\$0	\$0	\$359,000	\$0	\$359,000	\$0
Aquatics Center	-	C, FR-PR	\$0	\$100,000	\$0	\$9,000,000	\$0	\$9,100,000	\$0
Field Complex	-	FR-PR	\$0	\$0	\$0	\$0	\$10,000,000	\$10,000,000	\$0
Partlow Community Center	-	C	\$0	\$0	\$0	\$0	\$0	\$0	\$750,000
Add Public Water Supply & Other Safety Improvements at Lick Run	-	C	\$150,000	\$220,000	\$0	\$0	\$0	\$370,000	\$0
Loriella Tennis Court Renovations	-	C	\$0	\$0	\$570,000	\$0	\$0	\$570,000	\$0
Add Pickleball Courts at Patriot Park	-	C	\$0	\$0	\$49,500	\$495,000	\$0	\$544,500	\$0
VCR Trail - Paving & Drainage Improvements	-	C	\$0	\$490,000	\$0	\$0	\$0	\$490,000	\$0
TOTAL PARKS & REC EXPENDITURES	\$0		\$150,000	\$1,400,000	\$619,500	\$10,235,000	\$10,000,000	\$22,404,500	\$750,000

PARKS & RECREATION REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$150,000	\$850,000	\$619,500	\$1,235,000	\$0	\$2,854,500	\$750,000
Concession Receipts		CR	\$0	\$550,000	\$0	\$0	\$0	\$550,000	\$0
Future Referendum - Parks & Rec		FR-PR	\$0	\$0	\$0	\$9,000,000	\$10,000,000	\$19,000,000	\$0
TOTAL PARKS & REC REVENUES			\$150,000	\$1,400,000	\$619,500	\$10,235,000	\$10,000,000	\$22,404,500	\$750,000

Spotsylvania County, Virginia
FY 2021 Recommended Budget

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN**

FIRE & RESCUE SERVICES EXPENDITURES

FY 2021 - FY 2025

Spotsylvania County, Virginia
FY 2021 Recommended Budget

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
<i>FIRE/RESCUE SERVICES - Construction Projects</i>									
Fire Training & Logistics Center	\$250,000	B-PS, P	\$0	\$2,250,000	\$2,000,000	\$0	\$0	\$4,250,000	\$0
Replacement of Company 3 (Partlow)	\$500,000	B-PS, C	\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$5,000,000	\$0
New Fire/Rescue - Company 12 (Massaponax area)	\$250,000	B-PS	\$0	\$2,500,000	\$2,500,000	\$0	\$0	\$5,000,000	\$0
Co. 6 Bunkroom Addition/Renovation	\$1,875,000	C	\$2,125,000	\$0	\$0	\$0	\$0	\$2,125,000	\$0
New Fire/Rescue Station - Company 14 (Shady Grove)	-	B-PS, FR-PS	\$0	\$0	\$2,500,000	\$2,500,000	\$0	\$5,000,000	\$0
Subtotal Fire/Rescue constructon	\$2,875,000		\$4,625,000	\$7,250,000	\$7,000,000	\$2,500,000	\$0	\$21,375,000	\$0

FIRE/RESCUE SERVICES - Equipment

Replacement Fire Equipment	on-going	B-PS, C, IE, FR-PS	\$1,781,937	\$1,916,207	\$1,961,023	\$2,492,983	\$2,600,000	\$10,752,150	\$0
Replacement EMS Equipment	on-going	B-PS, C	\$622,190	\$703,776	\$826,530	\$813,240	\$426,951	\$3,392,687	\$0
Replacement Vehicles	on-going	C	\$136,500	\$146,738	\$157,744	\$169,576	\$267,081	\$877,639	\$0
CPR Delivery Devices	on-going	C	\$0	\$0	\$30,000	\$60,000	\$60,000	\$150,000	\$0
Subtotal Fire/Rescue equipment	-		\$2,540,627	\$2,766,721	\$2,975,297	\$3,535,799	\$3,354,032	\$15,172,476	\$0

TOTAL FIRE/RESCUE SVCS EXPENDITURES	\$2,875,000		\$7,165,627	\$10,016,721	\$9,975,297	\$6,035,799	\$3,354,032	\$36,547,476	\$0
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FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$6,986,627	\$146,738	\$4,187,744	\$229,576	\$3,354,032	\$14,904,717	\$0
Interest Earnings		IE	\$179,000	\$0	\$0	\$0	\$0	\$179,000	\$0
Proffers		P	\$0	\$11,763	\$0	\$0	\$0	\$11,763	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$0	\$9,858,220	\$5,787,553	\$2,075,368	\$0	\$17,721,141	\$0
Future Bond Referendum - Public Safety		FR-PS	\$0	\$0	\$0	\$3,730,855	\$0	\$3,730,855	\$0

TOTAL FIRE/RESCUE SVCS REVENUES			\$7,165,627	\$10,016,721	\$9,975,297	\$6,035,799	\$3,354,032	\$36,547,476	\$0
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**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN**

FY 2021 - FY 2025

TRANSPORTATION EXPENDITURES

Spotsylvania County, Virginia
FY 2021 Recommended Budget

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
TRANSPORTATION (reflects solely the County's share of project costs)									
Improvements at Exit 118 - 606 East, Bridge, 606 West & Connector Road	\$13,230,059	IE, P, B-T	\$3,230,000	\$2,925,020	\$0	\$0	\$0	\$6,155,020	\$0
Rt. 3 Operational Improvements - "Bump Outs"	\$1,000,000	B-T	\$0	\$1,622,608	\$0	\$0	\$0	\$1,622,608	\$0
Roundabout - Old Plank & Andora	-	B-T, P	\$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
Design and Partial Right of Way for Intersection Improvements at Rt. 1/Rt. 208/Lafayette Boulevard	-	B-T	\$0	\$800,000	\$0	\$1,660,000	\$1,660,000	\$4,120,000	\$0
Design and Right of Way for Widening of Rt. 2/17 Between City Line and idX	-	B-T	\$0	\$1,500,000	\$4,500,000	\$4,500,000	\$0	\$10,500,000	\$0
Bring Hospital Blvd/Spotsylvania Parkway in Area of Hospital to State Standards	-	B-T	\$0	\$621,000	\$0	\$0	\$0	\$621,000	\$0
Improvements to and/or in Area of Harrison Road/Bridge Over I-95	-	B-T	\$0	\$0	\$0	\$6,500,000	\$6,500,000	\$13,000,000	\$0
Germanna Point/Spotsylvania Avenue Connector Road	-	B-T	\$0	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,000,000	\$0
TOTAL TRANSPORTATION EXPENDITURES	\$16,680,059		\$3,830,000	\$9,968,628	\$7,900,000	\$18,710,000	\$10,660,000	\$51,068,628	\$0

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TRANSPORTATION REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Interest Earnings		IE	\$242,000	\$0	\$0	\$0	\$0	\$242,000	\$0
Proffers		P	\$631,007	\$0	\$0	\$28,788	\$0	\$659,795	\$0
Nov 2014 Bond Referendum		B-T	\$2,956,993	\$9,968,628	\$7,900,000	\$18,681,212	\$10,660,000	\$50,166,833	\$0
TOTAL TRANSPORTATION REVENUES			\$3,830,000	\$9,968,628	\$7,900,000	\$18,710,000	\$10,660,000	\$51,068,628	\$0

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN**

FY 2021 - FY 2025

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Spotsylvania Middle School	-	B-S	\$500,000	\$11,000,000	\$22,000,000	\$19,000,000	\$2,500,000	\$55,000,000	\$0
Thornburg Middle School Classroom Addition	-	FR-S	\$0	\$0	\$0	\$5,000,000	\$5,000,000	\$10,000,000	\$0
Purchase of Land for Future School Site	-	FR-S	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$0
Subtotal - School Construction	\$0		\$500,000	\$11,000,000	\$22,000,000	\$24,000,000	\$9,500,000	\$67,000,000	\$0
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B-S, FR-S, IE	\$3,795,992	\$3,999,568	\$3,999,552	\$3,999,964	\$4,116,648	\$19,911,724	\$0
Capital Maintenance	on-going	B-S, FR-S	\$11,895,000	\$18,146,000	\$8,875,000	\$14,555,000	\$9,703,000	\$63,174,000	\$0
Technology Replacements/Upgrades	on-going	B-S, FR-S	\$2,309,924	\$3,659,260	\$7,558,329	\$4,673,323	\$2,450,000	\$20,650,836	\$0
Subtotal - School Non-Construction	-		\$18,000,916	\$25,804,828	\$20,432,881	\$23,228,287	\$16,269,648	\$103,736,560	\$0
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	\$0		\$18,500,916	\$36,804,828	\$42,432,881	\$47,228,287	\$25,769,648	\$170,736,560	\$0

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash from General Fund		C	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Earnings		IE	\$85,000	\$0	\$0	\$0	\$0	\$85,000	\$0
Nov 2014 School Bond Referenda		B-S	\$18,415,916	\$24,096,044	\$0	\$0	\$0	\$42,511,960	\$0
Future Bond Referendum - Schools		FR-S	\$0	\$12,708,784	\$42,432,881	\$47,228,287	\$25,769,648	\$128,139,600	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			\$18,500,916	\$36,804,828	\$42,432,881	\$47,228,287	\$25,769,648	\$170,736,560	\$0

Spotsylvania County, Virginia
FY 2021 Recommended Budget

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

UTILITIES CAPITAL EXPENDITURES

Spotsylvania County, Virginia
FY 2021 Recommended Budget

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
General Utilities Projects									
System Improvement Opportunities with Developers	on-going	C	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$400,000	\$0
Telemetry/SCADA	\$3,088,723	C	\$600,000	\$300,000	\$300,000	\$100,000	\$0	\$1,300,000	\$0
CMMS & Asset Management Upgrade	710,561	C	\$250,000	\$200,000	\$200,000	\$100,000	\$0	\$750,000	\$0
Utility Lab/Office Expansion	2,295,304	C, RB	\$0	\$0	\$4,000,000	\$7,000,000	\$7,000,000	\$18,000,000	\$0
Manhole Rehabilitation Program	on-going	C	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$200,000	\$0
Utilities Master Plan Upgrade	\$300,000	C	\$0	\$0	\$0	\$250,000	\$0	\$250,000	\$0
Utilities Billing System Replacement	\$100,000	C	\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	\$6,494,588		\$1,500,000	\$1,150,000	\$4,650,000	\$7,600,000	\$7,000,000	\$21,900,000	\$0

Water Projects

Tank Maintenance	\$1,292,789	C	\$225,000	\$0	\$0	\$0	\$0	\$225,000	\$0
Loren Drive/Harrison Rd Extension	-	C	\$0	\$0	\$0	\$400,000	\$0	\$400,000	\$0
Maple Grove 2" Waterline	\$150,000	C	\$75,000	\$75,000	\$75,000	\$0	\$0	\$225,000	\$0
Southpoint 12" Waterline Replacement	-	C	\$0	\$0	\$175,000	\$175,000	\$0	\$350,000	\$0
Brock Road Valve Relocation	-	C	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Waverly Village 2" Line Upgrade	-	C	\$75,000	\$75,000	\$75,000	\$75,000	\$0	\$300,000	\$0
Old Greenwich 2" Line Upgrade	-	C	\$0	\$0	\$250,000	\$300,000	\$0	\$550,000	\$0
Thornburg Distribution Improvements	\$2,500,000	C, RB	\$2,000,000	\$2,000,000	\$2,000,000	\$0	\$0	\$6,000,000	\$0
Motts Water Treatment Plant Expansion	\$459,948	C, RB, FRED	\$0	\$1,020,000	\$1,040,400	\$5,306,040	\$14,071,618	\$21,438,058	\$0
Rt. 1 Waterline Improvements - Cosner to Massaponax	\$670,000	C, RB	\$830,000	\$500,000	\$500,000	\$0	\$0	\$1,830,000	\$0
Pump Station 24 Waterline	\$1,700,000	C	\$350,000	\$0	\$0	\$0	\$0	\$350,000	\$0
Tidewater Trail Waterline - Ruffins Pond to New Post	\$185,000	C	\$900,000	\$900,000	\$0	\$0	\$0	\$1,800,000	\$0
Fawn Lake Tank & Booster Station	\$300,000	C, RB	\$0	\$200,000	\$1,900,000	\$0	\$0	\$2,100,000	\$0
Harrison Road Waterline	-	RB	\$3,000,000	\$1,750,000	\$0	\$0	\$0	\$4,750,000	\$0
Massaponax Tank	-	C, RB	\$500,000	\$3,000,000	\$2,500,000	\$0	\$0	\$6,000,000	\$0

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Water Projects (continued)									
Dam Maintenance	-	C	\$100,000	\$150,000	\$0	\$250,000	\$0	\$500,000	\$0
Hydrant Replacement Program	-	C	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$0
Water Supply Plan	-	C	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$0
SUBTOTAL WATER PROJECTS	\$7,257,737		\$8,155,000	\$9,970,000	\$8,615,400	\$6,606,040	\$14,171,618	\$47,518,058	\$0

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

Spotsylvania County, Virginia
FY 2021 Recommended Budget

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	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Sewer Projects									
Collection System Extensions	on-going	C	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$200,000	\$0
Pump Station 24 Relocation	\$3,164,080	RB	\$2,000,000	\$0	\$0	\$0	\$0	\$2,000,000	\$0
Stonewall Estates Pump Station 22	2,361,256	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
Replacement Equipment - Field Services	on-going	C	\$295,000	\$340,000	\$250,000	\$610,000	\$110,000	\$1,605,000	\$0
Replacement Equipment - Composting	on-going	C	\$0	\$500,000	\$500,000	\$500,000	\$0	\$1,500,000	\$0
Elimination of Pump Stations 3 & 6	\$50,000	C	\$0	\$350,000	\$0	\$0	\$0	\$350,000	\$0
Fawn Lake Pump Stations 27 & 58	\$2,875,954	C	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0
Thornburg Wastewater Treatment Plant Expansion	\$10,255,058	RB	\$7,500,000	\$3,500,000	\$0	\$0	\$0	\$11,000,000	\$0
Massaponax Wastewater Treatment Plant Expansion	\$5,697,000	FRED, CWRLF	\$19,278,000	\$20,391,840	\$14,432,429	\$7,577,025	\$0	\$61,679,294	\$0
Infiltration & Inflow Program	\$300,000	C	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$400,000	\$0
Hairfield Drive Water/Sewer Extensions	\$166,210	C	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$0
Flow Metering	\$300,000	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Old Greenwich Sewer Replacement - Ph 3	\$800,000	C	\$750,000	\$0	\$0	\$0	\$0	\$750,000	\$0
Old Greenwich Sewer Replacement - Ph 5	-	C	\$800,000	\$0	\$0	\$0	\$0	\$800,000	\$0
Replace Mall Sewer Line	\$1,500,000	C	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0
Deep Run Pump Station Rehab	\$270,000	RB	\$3,000,000	\$2,300,000	\$0	\$0	\$0	\$5,300,000	\$0
FMC to Massaponax WWTP Conveyance	\$250,000	FRED, CWRLF	\$7,140,000	\$7,282,800	\$530,604	\$4,083,618	\$0	\$19,037,022	\$0
Wishner Pump Station/Force Main	\$900,000	C	\$450,000	\$0	\$0	\$0	\$0	\$450,000	\$0
Thornburg Collection System Improvements	\$300,000	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Thornburg Pump Station 29 Relocation	-	C	\$0	\$0	\$0	\$200,000	\$0	\$200,000	\$0
Pump Station 60 Rebuild	-	C	\$0	\$250,000	\$250,000	\$0	\$0	\$500,000	\$0
Rt. 1 18" Line Upgrade	-	C, RB	\$0	\$1,000,000	\$1,000,000	\$0	\$0	\$2,000,000	\$0
Replacement Equipment - Massaponax	on-going	C	\$195,064	\$0	\$0	\$0	\$0	\$195,064	\$0
Replacement Equipment - W/S Transmissions	on-going	C	\$17,500	\$0	\$0	\$0	\$0	\$17,500	\$0
SUBTOTAL SEWER PROJECTS	\$29,189,558		\$43,100,564	\$36,214,640	\$17,113,033	\$13,120,643	\$110,000	\$109,658,880	\$0

TOTAL UTILITIES EXPENDITURES	\$42,941,883		\$52,755,564	\$47,334,640	\$30,378,433	\$27,326,683	\$21,281,618	\$179,076,938	\$0
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**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

UTILITIES REVENUES

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$9,000,000	\$7,000,000	\$5,000,000	\$4,000,000	\$4,000,000	\$29,000,000	\$0
Fredericksburg Share of Certain Projects		FRED	\$19,544,825	\$19,548,854	\$10,960,149	\$7,682,637	\$2,379,922	\$60,116,387	\$0
Va. Clean Water Revolving Loan Fund Prgm.		CWRLF	\$6,873,175	\$8,550,786	\$4,436,384	\$6,311,263	\$0	\$26,171,608	\$0
Revenue Bonds		RB	\$17,337,564	\$12,235,000	\$9,981,900	\$9,332,783	\$14,901,696	\$63,788,943	\$0
TOTAL UTILITIES REVENUES			\$52,755,564	\$47,334,640	\$30,378,433	\$27,326,683	\$21,281,618	\$179,076,938	\$0

Spotsylvania County, Virginia
FY 2021 Recommended Budget

**SPOTSYLVANIA COUNTY
RECOMMENDED CAPITAL IMPROVEMENT PLAN
FY 2021 - FY 2025**

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
TOTAL FY 2021 - FY 2025 CIP			\$95,346,242	\$118,397,045	\$100,741,411	\$127,372,211	\$79,279,108	\$521,136,016	\$1,556,500

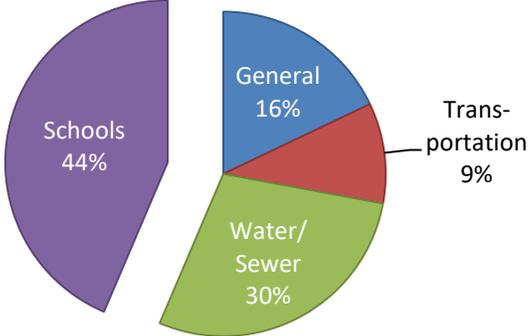
CIP REVENUE SUMMARY

	Total Budget through FY 2020	Funding Source	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Total FY 21 - FY 25	Costs beyond FY 2025
Cash		C	\$28,877,223	\$18,989,358	\$19,242,544	\$19,218,218	\$15,567,842	\$101,895,184	\$1,556,500
Interest Earnings		IE	\$661,000	\$0	\$0	\$0	\$0	\$661,000	\$0
Concession Receipts		CR	\$0	\$550,000	\$0	\$0	\$0	\$550,000	\$0
Donations		D	\$0	\$0	\$0	\$5,300	\$0	\$5,300	\$0
Proffers		P	\$679,546	\$46,371	\$0	\$28,788	\$0	\$754,705	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$0	\$11,703,220	\$5,787,553	\$6,152,868	\$0	\$23,643,641	\$0
Nov 2014 Bond Referenda - Schools		B-S	\$18,415,916	\$24,096,044	\$0	\$0	\$0	\$42,511,960	\$0
Nov 2014 Bond Referendum - Transportation		B-T	\$2,956,993	\$9,968,628	\$7,900,000	\$18,681,212	\$10,660,000	\$50,166,833	\$0
Future Bond Referendum - Schools		FR-S	\$0	\$12,708,784	\$42,432,881	\$47,228,287	\$25,769,648	\$128,139,600	\$0
Future Bond Referendum - Public Safety		FR-PS	\$0	\$0	\$0	\$3,730,855	\$0	\$3,730,855	\$0
Future Bond Referendum - Parks & Rec		FR-PR	\$0	\$0	\$0	\$9,000,000	\$10,000,000	\$19,000,000	\$0
Fredericksburg Share of Certain Projects		FRED	\$19,544,825	\$19,548,854	\$10,960,149	\$7,682,637	\$2,379,922	\$60,116,387	\$0
Va. Clean Water Revolving Loan Fund Prgm.		CWRLF	\$6,873,175	\$8,550,786	\$4,436,384	\$6,311,263	\$0	\$26,171,608	\$0
Revenue Bonds		RB	\$17,337,564	\$12,235,000	\$9,981,900	\$9,332,783	\$14,901,696	\$63,788,943	\$0
TOTAL FY 2021 - FY 2025 CIP			\$95,346,242	\$118,397,045	\$100,741,411	\$127,372,211	\$79,279,108	\$521,136,016	\$1,556,500

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, 2020 is \$383.6 million and is broken down as follows:

Debt Type	Balance – June 30, 2020
General projects	\$63.1 M
Transportation projects*	\$35.1 M
Water and sewer projects	\$115.5 M
School projects	\$169.9 M
Total	\$383.6 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 151.

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 2021, it is estimated that \$141.5 million will have been borrowed against this referendum authority.

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

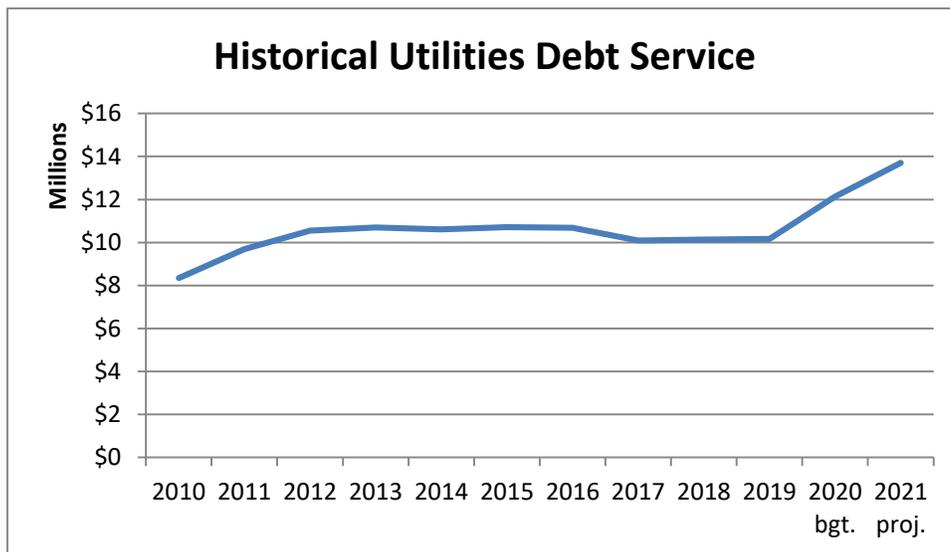
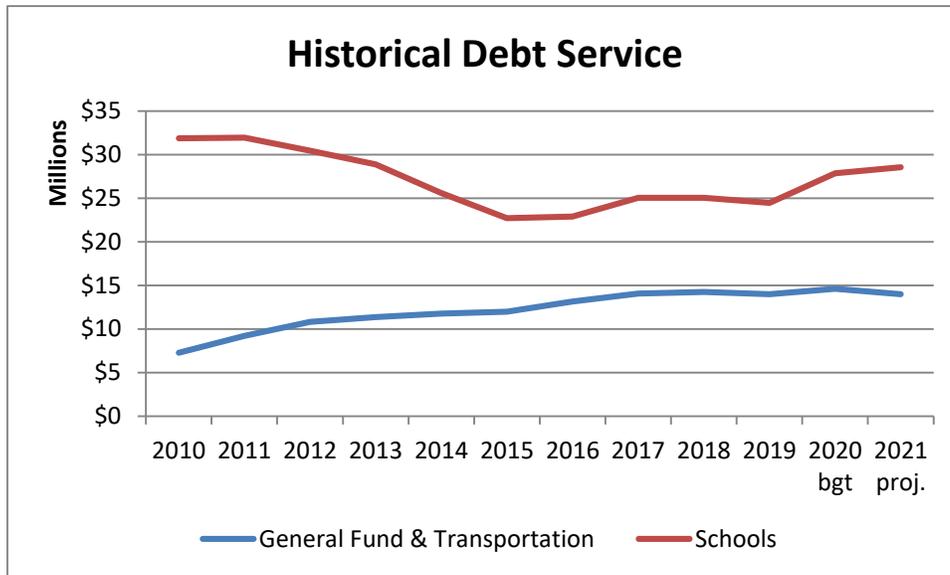
Referendum	Purpose	Potential Tax Rate Impact*
2001	Fire/Rescue	\$0.05 per \$100
2005	Transportation	\$0.10 per \$100
2005	Library & Parks	\$0.01 per \$100
2005	Public Safety	\$0.06 per \$100
2005	Schools	\$0.05 per \$100
2006	Schools	\$0.04 per \$100
2014	Public Safety	\$0.03 per \$100
2014	Transportation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

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

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

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

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



Following are the amortization schedules for general, transportation, schools, and utilities debt. Each schedule shows existing debt service. The schedules also include the projected debt service associated with a combined \$21.4 million planned for issuance in Summer 2020 for the Exit 126 – Rt. 17 widening and bridge; renovation and expansion of Spotsylvania Middle School; and various school capital maintenance, technology and bus replacements.

General and Transportation Debt

TOTAL GENERAL & TRANSPORTATION DEBT - SPOTSYLVANIA COUNTY						
	<u>Existing Debt¹</u>		<u>New Debt</u>		<u>Total Debt</u>	
	Principal	Interest	Principal	Interest	Principal	Interest
2021	\$9,614,427	\$4,121,040	\$147,850	\$118,280	\$9,762,276	\$4,239,320
2022	9,790,492	3,672,792	147,850	112,366	9,938,341	3,785,158
2023	9,922,972	3,214,866	147,850	106,452	10,070,822	3,321,318
2024	9,641,041	2,753,909	147,850	100,538	9,788,891	2,854,447
2025	9,341,347	2,300,928	147,850	94,624	9,489,197	2,395,552
2026	9,342,267	1,935,815	147,850	88,710	9,490,116	2,024,525
2027	9,174,242	1,584,347	147,850	82,796	9,322,091	1,667,143
2028	5,510,719	1,224,031	147,850	76,882	5,658,569	1,300,913
2029	5,338,364	989,769	147,850	70,968	5,486,214	1,060,737
2030	5,271,010	760,855	147,850	65,054	5,418,860	825,908
2031	3,441,301	536,845	147,850	59,140	3,589,151	595,985
2032	3,129,369	408,501	147,850	53,226	3,277,219	461,726
2033	2,532,014	299,043	147,850	47,312	2,679,864	346,355
2034	2,279,814	210,823	147,850	41,398	2,427,663	252,221
2035	1,774,456	131,302	147,850	35,484	1,922,306	166,786
2036	705,000	70,063	147,850	29,570	852,850	99,632
2037	490,000	47,681	147,850	23,656	637,850	71,337
2038	460,000	30,338	147,850	17,742	607,850	48,079
2039	460,000	12,900	147,850	11,828	607,850	24,728
2040	0	0	147,850	5,914	147,850	5,914
	\$98,218,835	\$24,305,848	\$2,956,993	\$1,241,937	\$101,175,828	\$25,547,785

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						
	<u>Existing Debt</u>		<u>New Debt</u>		<u>Total Debt</u>	
	Principal	Interest	Principal	Interest	Principal	Interest
2021	19,633,573	6,981,213	1,253,929	689,060	20,887,502	7,670,273
2022	19,274,508	6,064,774	1,253,929	644,456	20,528,437	6,709,231
2023	17,818,027	5,187,228	1,253,929	599,853	19,071,956	5,787,082
2024	14,960,959	4,414,570	1,253,929	555,250	16,214,888	4,969,820
2025	14,398,653	3,786,025	1,253,929	510,647	15,652,582	4,296,672
2026	14,287,733	3,222,398	1,253,929	466,044	15,541,662	3,688,442
2027	14,061,759	2,693,071	1,253,929	421,441	15,315,688	3,114,512
2028	11,365,281	2,029,486	936,083	376,837	12,301,363	2,406,323
2029	10,015,635	1,601,021	936,083	341,134	10,951,718	1,942,155
2030	8,039,990	1,207,488	936,083	305,430	8,976,072	1,512,919
2031	7,223,699	916,058	936,083	269,727	8,159,781	1,185,785
2032	3,350,631	658,581	936,083	234,023	4,286,713	892,605
2033	3,017,985	535,272	619,750	198,320	3,637,735	733,592
2034	2,775,186	420,823	619,750	173,530	3,394,936	594,353
2035	2,340,544	324,059	619,750	148,740	2,960,294	472,799
2036	2,110,000	244,540	619,750	123,950	2,729,750	368,490
2037	2,110,000	172,478	619,750	99,160	2,729,750	271,638
2038	1,540,000	100,170	619,750	74,370	2,159,750	174,540
2039	1,540,000	42,000	619,750	49,580	2,159,750	91,580
2040	0	0	619,750	24,790	619,750	24,790
	\$169,864,162	\$40,601,255	\$18,415,916	\$6,306,343	\$188,280,078	\$46,907,598

Utilities Debt

TOTAL UTILITIES DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2021	\$6,335,000	\$5,249,143	\$1,079,509	\$1,036,213	\$7,414,509	\$6,285,356
2022	6,635,000	4,940,894	1,114,915	1,000,807	7,749,915	5,941,701
2023	6,935,000	4,615,126	1,151,652	964,070	8,086,652	5,579,197
2024	7,255,000	4,273,091	1,189,773	925,950	8,444,773	5,199,041
2025	7,585,000	3,925,635	1,229,335	886,387	8,814,335	4,812,023
2026	7,920,000	3,560,965	1,270,398	845,324	9,190,398	4,406,289
2027	5,710,000	3,158,498	1,313,023	802,699	7,023,023	3,961,196
2028	5,940,000	2,899,345	1,357,276	758,446	7,297,276	3,657,791
2029	6,190,000	2,629,277	1,403,224	712,498	7,593,224	3,341,775
2030	6,430,000	2,352,624	1,450,937	664,785	7,880,937	3,017,410
2031	6,690,000	2,065,500	1,500,488	615,234	8,190,488	2,680,734
2032	6,965,000	1,761,396	1,551,954	563,768	8,516,954	2,325,164
2033	5,415,000	1,459,412	1,605,415	510,307	7,020,415	1,969,719
2034	5,605,000	1,232,646	1,660,954	454,768	7,265,954	1,687,414
2035	5,810,000	997,581	1,718,659	397,064	7,528,659	1,394,644
2036	4,725,000	779,192	1,778,619	337,103	6,503,619	1,116,295
2037	4,895,000	583,491	1,840,930	274,792	6,735,930	858,284
2038	2,720,000	380,723	1,905,690	210,032	4,625,690	590,755
2039	2,810,000	253,038	1,973,003	142,719	4,783,003	395,757
2040	2,905,000	120,881	2,042,976	72,746	4,947,976	193,626
2041	0	0	0	0	0	0
	\$115,475,000	\$47,238,459	\$30,138,729	\$12,175,714	\$145,613,729	\$59,414,173