

Capital Improvement Plan

Introduction

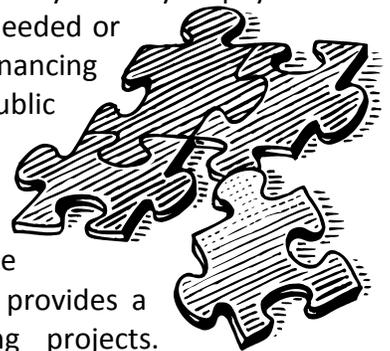
The Capital Improvement Plan (CIP) is a planning tool for development, modernization and/or replacement of County infrastructure, ensuring the County is able to maintain an effective level of services for citizens now and into the future. Each year the CIP is reviewed, priorities are reassessed, and 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

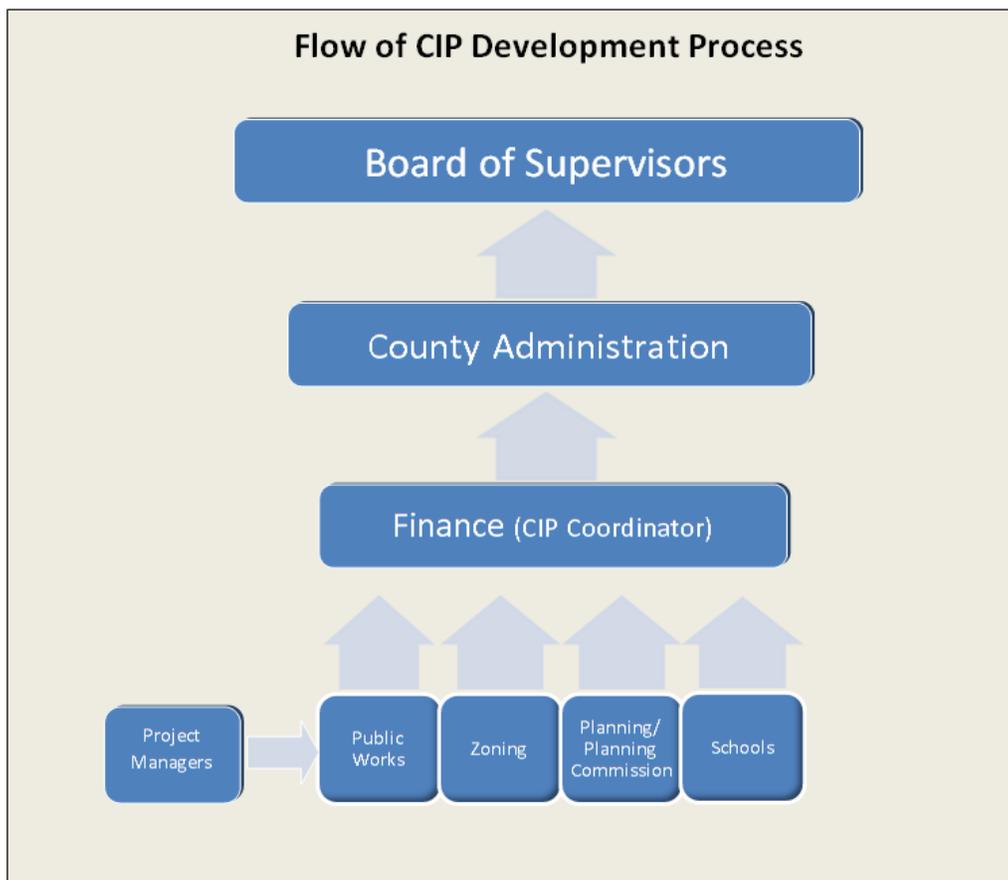
A range of financing methods exists. Some methods commonly used by the County are:

- **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 Adopted Budget includes a FY 2018 transfer of 3.50% 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 2018 – FY 2022 CIP Development Calendar

October 28, 2016	Project managers submit project requests/revisions to Finance Department
November 7, 2016	Schools submit Schools’ Draft CIP to Finance
December 2016	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
Early December 2016	County Administrator makes final decisions on projects to include in Recommended CIP
By December 9, 2016	Finance ensures debt service and operating costs for FY 2018 projects are included in Recommended Budget
January 18, 2017	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
February 13, 2017	Schools submit Schools’ Approved CIP to Finance
February 14, 2017	Presentation of County Administrator’s FY 2018 Recommended Budget and FY 2018 – FY 2022 CIP to Board of Supervisors
February 21, 2017	Board of Supervisors budget work session
March 28, 2017	Budget, Tax Rate, and CIP public hearings – Courtland High School
March 30, 2017	Board of Supervisors budget work session
April 4, 2017	Adoption of FY 2018 Budget, CIP and 2017 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 the locality's 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:

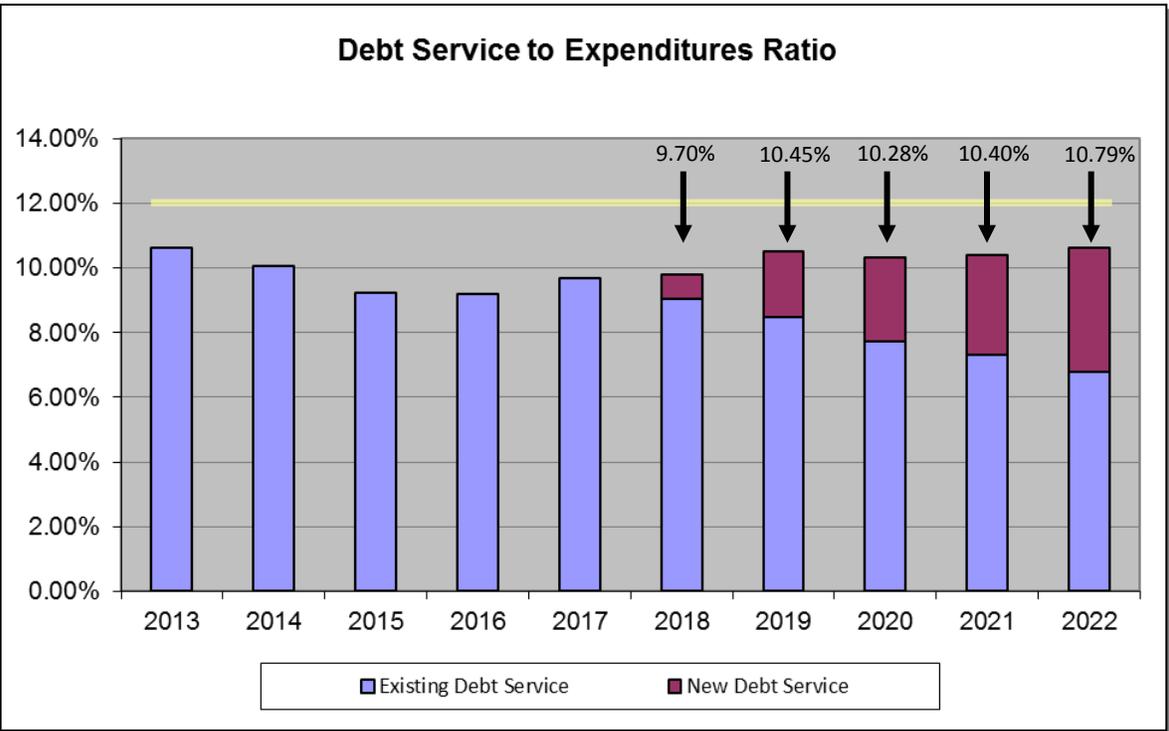
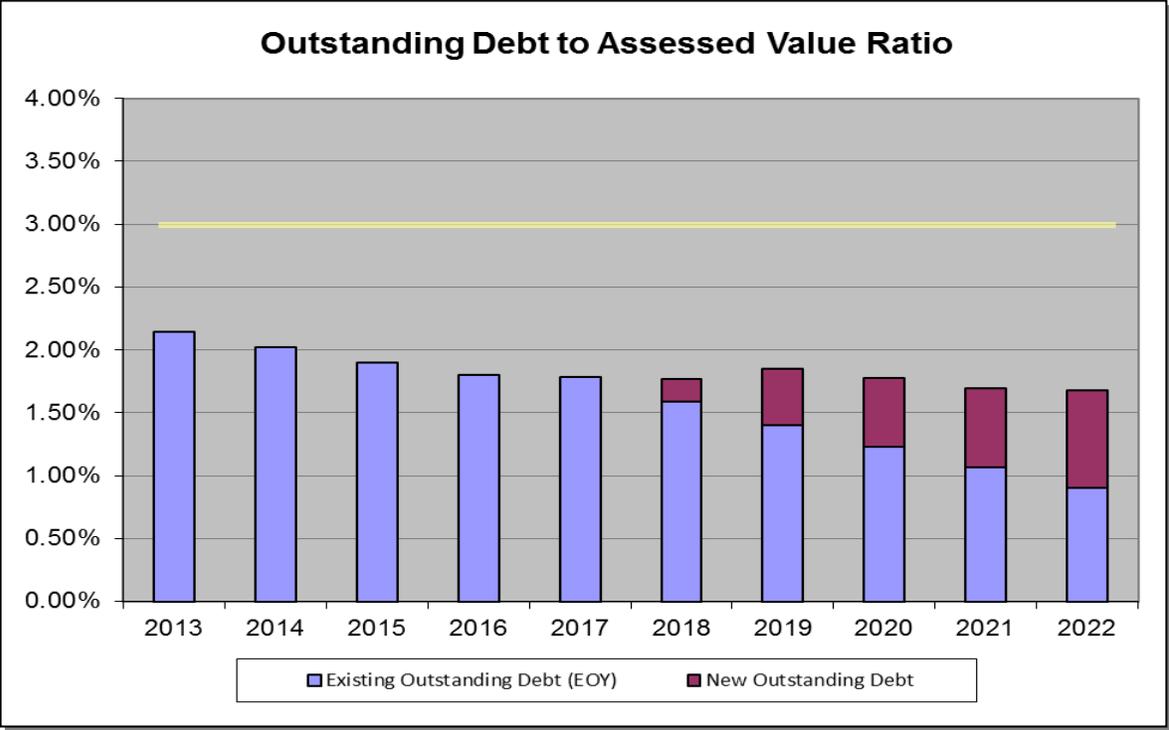
- Net debt as a percentage of estimated market value taxable should not exceed 3%.
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 12%. The County will work towards reducing this ratio to not more than 10% by the end of FY 2025.
- The County intends 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 2017 issuance and is fixed at 3.25%/3.75%/5.00% for each 7/12/20 year issuance thereafter.
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The graphs on the following page indicate that the revised FY 2018 – FY 2022 Adopted 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 2018, including the financings to be issued in Summer 2017, total general debt outstanding is estimated at \$296.9 million. At the end of FY 2027 – ten fiscal years beyond FY 2018 – the County will have repaid \$236.6 million (79.7%) of the debt outstanding at the beginning of FY 2018.

10-Yr Payout Ratio (must be > 65%)	
FY	Payout Ratio
FY 2018	79.7%
FY 2019	79.4%
FY 2020	80.9%
FY 2021	82.0%
FY 2022	81.4%

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 Funds at 1%, with an additional 0.25% to be added each year thereafter. In FY 2018, the transfer from the General Fund to the Capital Projects Fund is budgeted at \$8.8 million, or 3.50% of General Fund revenues. Additionally, \$260,000 is transferred from the General Fund balance to the Capital Projects Fund to fund the vehicles associated with new Sheriff’s Office and Fire/Rescue positions budgeted in FY 2018.

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 2018	FY 2019	FY 2020	FY 2021	FY 2022
Electricity Per Square Foot	\$1.25	\$1.28	\$1.32	\$1.36	\$1.40
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	0.08	0.08	0.08	0.08	0.09
Insurance Per Square Foot	0.04	0.04	0.04	0.04	0.04
Ongoing Maintenance Per Square Foot	3.27	3.37	3.47	3.57	3.68

Estimated Inflationary Factors	Annual Rate	Basis for Assumptions
Electricity	2.9%	Historical Spending/EIA Reports*
Heating Fuel	8.4%	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	1.3%	Municipal Cost Index (MCI)**
Salary Inflation	2.0%	Assumed compensation adjustments

*EIA stands for Energy Information Administration

**American City & County is the source for the Municipal Cost Index

Operating Impact

The table below shows the anticipated budgetary impacts that implementation of projects in the FY 2018 – FY 2022 CIP may have in the near future. The operating impacts occurring in FY 2018 are included in the Adopted Budget.

Projects/Type	FY 2019	FY 2020	FY 2021	FY 2022
General Government Projects				
Debt Service	\$524,934	\$636,272	\$1,329,485	\$1,744,947
Utilities/Maintenance/Insurance/Fuel	72,671	326,309	332,481	328,690
Parks & Recreation Projects				
Utilities/Maintenance/Insurance/Fuel	19,256	26,944	55,087	135,968
Fire & Rescue Projects				
Debt Service	908,848	924,438	1,281,077	1,834,168
Utilities/Maintenance/Insurance/Fuel	24,148	69,656	71,761	153,142
Transportation Projects				
Debt Service	942,904	1,595,081	1,554,615	2,221,651
School Projects				
Debt Service	5,991,104	7,672,673	9,023,675	11,015,017
Total				
Debt Service	8,367,790	10,828,464	13,188,852	16,815,783
Utilities/Maintenance/Insurance/Fuel	116,075	422,909	459,329	617,800
Total	\$8,483,865	\$11,251,373	\$13,648,181	\$17,433,583

The following table shows the potential impact that implementation of the FY 2018 – FY 2022 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 current real estate tax rate of \$0.85 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 2018, 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 Adopted CIP *beyond what is included in the FY 2018 Budget*.

FY 2018 – FY 2022 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
2018	1,350,729	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2019	1,370,990	3,460,405	0.025	0.025	116,075	0.001	0.001	0.026	0.026
2020	1,391,555	3,387,296	0.024	-0.001	422,909	0.003	0.002	0.027	0.001
2021	1,412,429	4,521,248	0.032	0.008	459,329	0.003	0.000	0.035	0.008
2022	1,433,615	6,838,929	0.048	0.016	617,800	0.004	0.001	0.051	0.017
				\$0.048				\$0.004	\$0.052*

*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 5.2 cents on the real property tax rate by FY 2022 to pay the costs of added debt service and operating costs. Over the five year period, 92% of the added costs are associated with debt service while the remaining 8% is associated with on-going operating costs related to the projects. Debt service and annual operating costs related to the CIP have been factored into the five-year financial forecast which begins on page 141. Additionally, estimated annual operating costs including the debt service associated with each project are displayed in the project summary section beginning on page 168.

FY 2018 Capital Projects

The capital projects budgets for FY 2018 total \$49.8 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 2017 to fund certain County and Schools capital projects for FY 2018. 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 2018 Adopted Budget. Upon finalizing the financing of the FY 2018 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 2018 General Fund, Transportation Fund and School Operating Fund budgets.

The following table lists the capital projects, transfers and capital projects related staffing costs adopted for FY 2018:

Project	Frequency*	FY 2018 Project Cost	FY 2018 Budget	To Be Financed
General Government Facilities:				
Facility Asset Management Program	R	\$1,973,311	\$1,973,311	\$0
Courthouse Sidewalk Replacement and Repair	N	200,000	200,000	0
Build-Out of First Floor Merchants Square Bldg.	N	850,000	850,000	0
Replacement Vehicles	R	976,093	976,093	0
Vehicles for New F/R & Sheriff's Office Positions	R	260,000	260,000	0
AEDs in County-Owned Buildings	N	32,500	32,500	0
Library in Massaponax Area	N	15,000	15,000	0
General Government Facilities Total		\$4,306,904	\$4,306,904	\$0
Information Technology:				
Parks and Recreation System Upgrade	N	\$150,000	\$150,000	\$0
Replacement Computers & Servers	R	395,955	395,955	0
Trakit-9 Migration-upgrade for CRW	N	221,395	221,395	0
Information Technology Total		\$767,350	\$767,350	\$0
Solid Waste:				
Active Gas Collection System in Add'l Cells	R	\$252,200	\$252,200	\$0
Convenience Center Paving	R	300,000	300,000	0
Livingston Landfill Development	N	294,976	294,976	0
Refuse Disposal Equip Replacement	R	110,000	110,000	0
Refuse Collection Equip Replacement	R	150,000	150,000	0
Solid Waste Total		\$1,107,176	\$1,107,176	\$0
Parks & Recreation:				
Hunting Run Park, Phase II	N	\$797,572	\$797,572	\$0
Patriot Park Playground	N	198,700	198,700	0
Marshall Park – Replacement Ballfield Lighting	N	195,660	195,660	0
Parking & Drainage Repairs	N	75,000	75,000	0
Parks & Recreation Total		\$1,266,932	\$1,266,932	\$0
Fire/Rescue:				
Company 6 Bunkroom Addition (Salem Church)	N	\$675,000	\$0	\$675,000
Replacement Fire Equipment	R	3,314,460	2,042,839	1,271,621
CPR Delivery Devices	N	65,500	65,500	0
Fire/Rescue Total		\$4,054,960	\$2,108,339	\$1,946,621
Transportation:				
Thornton Rolling/Rt 17	N	\$100,000	\$100,000	\$0
General Engineering Consultant	R	20,000	20,000	0
Transportation Total		\$120,000	\$120,000	\$0
Schools:				
Renovate & Expand Courtland High School	N	\$8,000,000	\$0	\$8,000,000
Transportation Buses	R	4,427,947	0	4,427,947
Capital Maintenance	R	10,501,000	0	10,501,000
Technology Replacements/Upgrades	R	4,432,500	0	4,432,500
Schools Total		\$27,361,447	\$0	\$27,361,447

Project	Frequency*	FY 2018 Project Cost	FY 2018 Budget	To Be Financed
Utilities:				
Utility Lab/Office Expansion	N	\$1,000,000	\$1,000,000	\$0
Telemetry/SCADA	R	350,000	350,000	0
Manhole Rehabilitation Program	R	50,000	50,000	0
System Improvement Opportunities	R	250,000	250,000	0
Ni River Treatment Plant Improvements	N	1,866,600	1,866,600	0
Future Water Source (Ni River/ Hunting Run)	N	1,500,000	1,500,000	0
Water Meter Replacement Program	R	2,000,000	2,000,000	0
Rappahannock Raw Water PS Improvements	N	600,000	600,000	0
Rt 606 East of I-95 Improvements	N	250,000	250,000	0
Spotswood 2" Line Upgrade	N	250,000	250,000	0
12" AC Line Replacements	N	700,000	700,000	0
Tank Maintenance	R	205,000	205,000	0
Collection System Extensions	R	100,000	100,000	0
Old Greenwich Sewer Replacement	N	600,000	600,000	0
Fawn Lake Pump Stations 27 & 58	N	200,000	200,000	0
Thornburg WW Transmission Improvements	N	750,000	750,000	0
Piedmont Dr. – Abandon Pump Stations 43 & 16	N	350,000	350,000	0
Pump Station 24	N	400,000	400,000	0
Pump Station 36 Rehab	N	150,000	150,000	0
Replacement Equipment - Field Services	R	95,000	95,000	0
Replacement Equip. & Asphalt - Composting	R	400,000	400,000	0
Utilities Total		\$12,066,600	\$12,066,600	\$0
Other:				
Capital Projects Management (personnel & op.)		\$163,681	\$163,681	\$0
Transfer to General Fund		282,211	282,211	0
Transfer to Utilities Operating Fund		38,493	38,493	0
Transfer to Transportation Fund		176,134	176,134	0
Adjust AED estimate to match budget system		(2,166)	(2,166)	0
Other Total**		\$658,353	\$658,353	\$0
Total FY 2018 Capital Projects Funds		\$51,709,722	\$22,401,654	\$29,308,068
FY 2018 Capital Budget Including Schools' Financed Projects***				\$49,763,101

**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 167 – 177.

***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 2018 - FY 2022 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 the County Museum and to Fire & Rescue facilities.

Non-Recurring Project Name	Estimated Expenditures FY 2018—FY 2022		Page in Budget
	Capital	Operating	
Capital Projects			
Courthouse Sidewalk Replacement and Repair	\$200,000	\$0	pg. 188
Build-Out of First Floor Merchants Square Building	\$850,000	\$157,651	pg. 189
AEDs in County-Owned Buildings	\$32,500	\$10,000	pg. 192
Library in Massaponax Area	\$12,865,000	\$2,217,875	pg. 193
Trakit-9 Migration-upgrade for CRW	\$221,395	\$0	pg. 200
Marshall Park - Replacement Baseball Field Lighting	\$195,660	\$0	pg. 214
Parking & Drainage Repairs	\$375,000	\$0	pg. 215
Replacement of Company 3 (Partlow)	\$4,475,000	\$529,750	pg. 218
Company 6 Bunkroom Addition (Salem Church)	\$675,000	\$383,715	pg. 219
Utilities Capital Projects			
Pump Station 36 Rehabilitation	\$550,000	\$0	pg. 241

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 April 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, when the 2016 actual calls for service are allocated to currently assigned response zones, Company 4 remains significantly over capacity as shown in the table on page 163.
- Upon full build-out of the potential new development, there will be County-wide capacity to respond to an additional 7,315 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 1,903 calls, and 1,119 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, all but one 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 106 seats; middle schools will be short by 717 seats; and high schools will be short by 937 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	534	0	0	0	306 / 200	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	74	0	0	0	43 / 28	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	0	0	0	132 / 86	Chancellor	Ni River	Riverbend	5
Saw Hill	63	0	0	0	36 / 24	Wilderness	Ni River	Riverbend	5
Estates at Buckingham	42	0	0	0	24 / 16	Berkeley	Post Oak	Spotsylvania	3
Pelhams East	43	0	0	0	25 / 16	Lee Hill / Cedar Forest	Thornburg	Massaponax	11
Whitehall	60	0	0	0	34 / 22	Brock Rd.	Ni River	Riverbend	7
Tanglewood Estates	14	0	0	0	9 / 5	Riverview	Post Oak	Spotsylvania	8
Estates at Kingswood	34	0	0	0	19 / 13	Battlefield	Chancellor	Chancellor	4
Breckenridge Farms	52	0	0	0	30 / 19	Courthouse	Freedom	Chancellor	4
Pamunkey Point	21	0	0	0	12 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	531	0	0	186	389 / 233	Parkside	Spotsylvania	Courtland	1, 4
Sunrise Bay	35	0	0	0	20 / 13	Livingston	Post Oaks	Spotsylvania	9
Regency at Chancellorsville	0	0	0	151	0 / 28	n/a	n/a	n/a	5
Glenhaven/ River Glen	37	0	0	0	22 / 14	Chancellor	Chancellor	Riverbend	5
Reserve at Chancellorsville	121	0	0	0	69 / 45	Chancellor	Chancellor	Riverbend	5
Lafayette Crossing	0	21	0	0	12 / 6	Spotswood	Battlefield	Massaponax	4
Mallard Landing	0	116	0	0	68 / 34	Cedar Forest	Freedom	Massaponax	11
Spring Arbor	0	0	0	33	0 / 6	n/a	n/a	n/a	6
Summerfield	63	39	0	0	58 / 35	Spotswood	Battlefield	Chancellor	4
Keswick	150	90	240	184	182 / 160	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	0	164	773	0	237 / 190	Riverview	Spotsylvania	Massaponax	8
Lakeside	0	61	0	0	36 / 18	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

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
Woods of Catharpin	11	0	0	0	6 / 4	Wilderness	Ni River	Riverbend	4
Spotsylvania Courthouse Vil.	395	205	834	50	497 / 370	R.E. Lee/ Courtland	Spotsylvania	Courtland	1
Crossroads Station	0	0	610	0	112 / 112	Cedar Forest	Freedom	Massaponax	11
New Post	219	104	102	0	200 / 131	Cedar Forest	Freedom	Massaponax	11
Fortune's Landing	49	0	0	0	28 / 18	Wilderness	Ni River	Spotsylvania	5
Silver Collection Apt	0	0	274	0	51 / 50	Riverview	Thornburg	Massaponax	4
Villas at Harrison Crossing	0	0	0	130	0 / 24	n/a	n/a	n/a	5
Heritage Woods	697	180	183	0	537 / 348	Parkside	Spotsylvania	Courtland	1, 4, 8
Ni River Community Church	89	0	0	0	51 / 33	Courtland	Spotsylvania	Courtland	1
Southpoint Landing	0	0	830	0	152 / 152	Parkside	Thornburg	Massaponax	4
Legends of Chancellorsville	218	0	0	0	124 / 82	Brock Rd./ Chancellor	Ni River	Riverbend	5, 7
Wheatland	0	98	0	0	57 / 29	Lee Hill	Thornburg	Massaponax	11
Thorburn Estates	59	0	0	0	34 / 22	Wilderness	Freedom	Riverbend	10
Jackson Village	0	596	1289	385	582 / 483	Lee Hill	Thornburg	Massaponax	4
Retreat at C'ville	0	0	0	192	0 / 35	n/a	n/a	n/a	5
Alexander's Crossing	518	971	888	230	1023 / 686	Riverview	Thornburg	Massaponax	11
Avalon Woods	98	0	0	0	56 / 37	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 / 49	Courtland	Spotsylvania	Massaponax	1
Pennington Estates	13	0	0	0	7 / 5	Courtland	Spotsylvania	Courtland	1
Goodwin Cove	35	0	0	0	20 / 13	Livingston	Post Oak	Spotsylvania	9

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
Cedar Forest	29	0	0	0	16 / 11	Cedar Forest	Thornburg	Massaponax	11
Summit Crossing Estates	70	0	0	0	40 / 26	Cedar Forest	Thornburg	Massaponax	11
Total	14,968				5,444 / 3,948				

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

Approved Development – School Impacts:

School	Capacity	2016 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	618	9	627	206
Berkeley Elementary	353	268	11	279	74
Brock Road	907	656	181	837	70
Cedar Forest	936	746	223	969	-33
Chancellor	455	424	148	572	-117
Courthouse Road	907	813	13	826	81
Courtland	789	526	182	708	82
Lee Hill	807	652	340	992	-185
Livingston	504	420	29	449	55
Parkside	936	773	505	1,278	-342
Riverview	907	685	668	1,353	-446
Robert E. Lee	585	514	211	725	-140
Salem	815	629	25	654	161
Spotswood	641	512	53	565	76
Wilderness	936	744	47	791	145
Subtotal	11,311	8,980	2,643	11,623	-312
Countywide Elementary	13,233	10,484	2,643	13,127	106

Approved Development – School Impacts (continued):

School	Capacity	2016 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Middle					
Battlefield	807	802	24	826	-19
Chancellor	857	849	38	887	-30
Freedom	948	780	96	876	72
Ni River	774	764	161	925	-151
Post Oak	948	726	22	748	200
Spotsylvania	907	876	443	1,319	-412
Thornburg	790	739	428	1,167	-377
Subtotal	6,031	5,536	1,212	6,748	-717
Countywide Middle	6,031	5,536	1,212	6,748	-717

High					
Chancellor	1,427	1,299	51	1,350	77
Courtland	1,265	1,146	450	1,596	-331
Massaponax	1,830	2,022	736	2,758	-928
Riverbend	1,995	1,919	259	2,178	-183
Spotsylvania	1,611	1,157	93	1,250	361
Subtotal	8,128	7,543	1,589	9,132	-1,004
Countywide High	8,218	7,566	1,589	9,155	-937

Approved Development – Fire/Rescue Impacts:

Station	Capacity	2016 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1 - Courthouse	2,500	1,789	853	2,642	-142
2 - Brokenburg	2,500	681	4	685	1815
3 – Partlow	2,500	613	16	629	1871
4 – Four Mile Fork	2,500	3,394	1,009	4,403	-1903
5 – Chancellor	2,500	1,078	343	1,421	1079
6 – Salem Church	2,500	3,576	43	3,619	-1119
7 – Wilderness	2,500	735	263	998	1502
8 – Thornburg	2,500	944	311	1,255	1245
9 – Belmont	2,500	468	38	506	1994
10 – Salem Fields	2,500	1,201	22	1,223	1277
11 – Lee Hill	2,500	1,758	1,046	2,804	-304
Subtotal	27,500	16,237	3,948	20,185	7,315
Countywide F/R*	27,500	16,237	3,948	20,185	7,315

*Source of Fire/Rescue call volume data is Spotsylvania County Planning Department. Call volumes are allocated between stations based on assigned response zones. For the purposes of this table, call volumes are allocated to Company 11 (opened September 2016) as if it had been in operation for a full year.

The analysis of school capacity shows that should these projections become reality there will be a shortage of capacity countywide at the middle and high schools. 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.

This is the first time that we have included in the budget document the future project planning cost data that follows. 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:	\$2,950,000	
	Contingency (10%):	\$295,000	
	Total Current Cost**	\$4,595,000	
	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.

**Cost data used for this table is more current than that included in the CIP as adopted and therefore does not match one-for-one with 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:	\$600,000	Includes inspection fees
	Construction:	\$3,000,000	Includes sitework
	Contingency (10%):	\$300,000	
	Total Current Cost	\$4,075,000	
	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:	\$3,000,000	20 acres
	Soft Costs:	\$4,199,000	
	Building Construction:	\$18,995,000	
	Total Current Cost	\$26,194,000	
	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:	\$4,500,000	45 acres
	Soft Costs:	\$6,052,000	
	Building Construction:	\$25,760,000	
	Total Current Cost	\$36,312,000	
	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:	\$8,000,000	80 acres
	Soft Costs:	\$12,900,000	
	Building Construction:	\$71,730,000	
	Athletic Stadium:	\$6,000,000	
	Total Current Cost	\$98,630,000	
Escalation factor	4%	BCWH Architects	

Available Proffers & Use in FY 2018

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, 2015; the proffers received and spent during FY 2016; and the proffers budgeted in FY 2017 and FY 2018.

Proffer Category	6/30/2015 Balance	Received FY 2016	Spent FY 2016	Budgeted Use FY 2017	Budgeted Use FY 2018
Fire/Rescue	\$229,939	\$26,154	\$174,622	\$52,889	\$ -
Library	4,713	9,289	-	-	-
Recreation	77,452	16,762	405	14,595	14,025
Schools	160,460	56,603	-	-	-
Transportation	326,846	868,792	560,855	21,013	-
Gov't Facilities	49,365	7,711	24,824	24,442	-
Law Enforcement	-	25,976	-	-	-
Solid Waste	-	2,951	-	-	-
Planning Studies	16,600	-	-	-	-
PDR Program	632,633	-	-	-	-
Magnolia Harbor	5,007	-	-	-	-
Pamunkey Point	52,416	-	-	-	-
Fawn Lake Tower	-	25,000	25,000	-	-
Lafayette Crossing	52,934	-	15,765	37,168	-
Lakeside	247,832	201,561	-	253,108	-
Mallard Landing	194,949	100,693	-	165,371	-
Summerfield	457,108	27,270	-	-	19,866
Total	\$2,508,254	\$1,368,762	\$801,471	\$568,586	\$33,891

Capital Projects Staffing

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

Department/Position	FY 2016 Revised	FY 2017 Adopted	FY 2017 Revised	FY 2018 Adopted
Transportation				
Construction Technician	0	0	0	0
Litter Control Technician	2	2	2	2
Traffic Engineer	1	1	1	1
Transportation Planner	1	1	1	1
TOTAL FTEs	4	4	4	4
TOTAL FTEs Transportation				
	4	4	4	4

FY 2018 – FY 2022 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2018 – FY 2022 CIP. The spreadsheets on pages 169 – 179 show the anticipated funding by fiscal year for each project. Funding sources are identified on pages 167 – 177 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 Utilities 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 2018 - FY 2022 CIP may be found beginning on page 181.

Spotsylvania County, Virginia
FY 2018 - FY 2022 Capital Improvement Plan
Project Summary By Fund

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2018 - FY 2022 Total
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General Government Projects:

General Government and Judicial Facilities	\$5,074,254	\$11,991,810	\$4,000,943	\$10,477,552	\$7,750,113	\$39,294,672
Solid Waste	\$1,107,176	\$690,975	\$3,108,000	\$1,549,050	\$7,172,667	\$13,627,868
Parks and Recreation	\$1,266,932	\$759,000	\$1,330,000	\$3,387,100	\$0	\$6,743,032
Fire and Rescue Services	\$4,054,960	\$6,274,206	\$2,732,837	\$6,404,559	\$6,810,871	\$26,277,433
General Government Total	\$11,503,322	\$19,715,991	\$11,171,780	\$21,818,261	\$21,733,651	\$85,943,005

Transportation Total	\$120,000	\$9,763,553	\$6,777,500	\$20,000	\$7,075,020	\$23,756,073
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Schools Total	\$27,361,447	\$28,466,642	\$14,738,766	\$12,508,119	\$18,718,003	\$101,792,977
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Utility Projects:

General Utility Projects	\$1,650,000	\$1,825,000	\$500,000	\$2,600,000	\$2,300,000	\$8,875,000
Water Projects	\$7,371,600	\$16,800,000	\$7,550,000	\$12,100,000	\$8,600,000	\$52,421,600
Sewer Projects	\$3,045,000	\$3,720,000	\$3,075,000	\$3,110,000	\$500,000	\$13,450,000
Utilities Total	\$12,066,600	\$22,345,000	\$11,125,000	\$17,810,000	\$11,400,000	\$74,746,600

CIP Total, All Funds	\$51,051,369	\$80,291,186	\$43,813,046	\$52,156,380	\$58,926,674	\$286,238,655
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2018 - FY 2022

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Gen. Gov't Facilities & Equip									
Facility Asset Management Program	on-going	C, U	\$1,973,311	\$1,579,150	\$1,009,693	\$1,399,052	\$1,441,023	\$7,402,229	\$0
Major Maintenance/Renov. at Marshall Center	-	C, L	\$0	\$0	\$0	\$348,800	\$0	\$348,800	\$9,383,640
Major Maintenance/Renov. at Holbert Building	350,000	C, L	\$0	\$3,600,000	\$0	\$0	\$0	\$3,600,000	\$0
Courthouse Sidewalk Replacement and Repair	-	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Build-Out of First Floor Merchants Square Building	50,000	C	\$850,000	\$0	\$0	\$0	\$0	\$850,000	\$0
Replacement Vehicles	on-going	C	\$976,093	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,776,093	\$0
Vehicles for New F/R & Sheriff's Office Positions	-	C	\$260,000	\$0	\$0	\$0	\$0	\$260,000	\$0
AEDs in County-Owned Buildings	-	C	\$32,500	\$0	\$0	\$0	\$0	\$32,500	\$0
Library in Massaponax Area	-	C, FR	\$15,000	\$0	\$1,250,000	\$7,100,000	\$4,500,000	\$12,865,000	\$0
Subtotal - Gen. Gov't Facilities & Equip	\$400,000		\$4,306,904	\$6,379,150	\$3,459,693	\$10,047,852	\$7,141,023	\$31,334,622	\$9,383,640
Information Technology									
Public Safety System Improvements:									
Computer Aided Dispatch System Replacement	\$3,100,000	IE, B-PS	\$0	\$2,100,000	\$0	\$0	\$0	\$2,100,000	\$0
Replacement of Chancellor Tower	-	C	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0
Next Generation 911 (NG911)	\$200,000	C	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000	\$0
Other System Improvements:									
Parks and Recreation System Upgrade	-	C	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Replacement Computers and Servers	on-going	C	\$395,955	\$712,660	\$541,250	\$429,700	\$409,090	\$2,488,655	\$0
State Income Tax Program Replacement	-	C	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0
Trakit-9 Migration-upgrade for CRW	\$40,000	C	\$221,395	\$0	\$0	\$0	\$0	\$221,395	\$0
VITA Base Mapping Program	-	C	\$0	\$200,000	\$0	\$0	\$200,000	\$400,000	\$0
Subtotal - Information Technology	\$3,340,000		\$767,350	\$5,612,660	\$541,250	\$429,700	\$609,090	\$7,960,050	-
TOTAL GENERAL GOV'T EXPENDITURES	\$3,740,000		\$5,074,254	\$11,991,810	\$4,000,943	\$10,477,552	\$7,750,113	\$39,294,672	\$9,383,640

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2018 - FY 2022**

GENERAL GOV'T REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$4,185,813	\$7,990,103	\$2,685,359	\$3,080,641	\$2,944,295	\$20,886,211	\$0
Interest Earnings		IE	\$0	\$18,910	\$0	\$0		\$18,910	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$0	\$2,081,090	\$0	\$0	\$0	\$2,081,090	\$0
Other Bonds (aka "lease revenue)		L	\$0	\$1,600,000	\$0	\$0	\$0	\$1,600,000	\$9,383,640
Future Bond Referendum - Library		FR	\$0	\$0	\$1,250,000	\$7,100,000	\$4,500,000	\$12,850,000	
Transfer from Utilities Fund		U	\$888,441	\$301,707	\$65,584	\$296,911	\$305,818	\$1,858,461	\$0
TOTAL GENERAL GOV'T REVENUES			\$5,074,254	\$11,991,810	\$4,000,943	\$10,477,552	\$7,750,113	\$39,294,672	\$9,383,640

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2018 - FY 2022

SOLID WASTE EXPENDITURES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
<i>SOLID WASTE - Construction/Closing of Landfill Cells & Facilities</i>									
Active Gas Collection System in Add'l Cells	-	C	\$252,200	\$0	\$0	\$252,200	\$0	\$504,400	\$252,200
Convenience Center Paving	on-going	C	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000	\$0
Livingston Landfill Development (MANDATE)	\$2,586,017	C	\$294,976	\$200,975	\$2,193,000	\$446,850	\$6,317,667	\$9,453,468	\$3,807,983
<i>Subtotal - Construction/Closing Cells & Facilities</i>	\$2,586,017		\$847,176	\$250,975	\$2,243,000	\$749,050	\$6,367,667	\$10,457,868	\$4,060,183
<i>SOLID WASTE - Equipment Replacement</i>									
Refuse Disposal Equip Replacement	on-going	C	\$110,000	\$100,000	\$70,000	\$350,000	\$480,000	\$1,110,000	on-going
Refuse Collection Equip Replacement	on-going	C	\$150,000	\$340,000	\$795,000	\$450,000	\$325,000	\$2,060,000	on-going
<i>Subtotal - Solid Waste Equipment Replacement</i>	-		\$260,000	\$440,000	\$865,000	\$800,000	\$805,000	\$3,170,000	\$0
TOTAL SOLID WASTE EXPENDITURES	\$2,586,017		\$1,107,176	\$690,975	\$3,108,000	\$1,549,050	\$7,172,667	\$13,627,868	\$4,060,183

SOLID WASTE REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$1,107,176	\$690,975	\$3,108,000	\$1,549,050	\$7,172,667	\$13,627,868	\$4,060,183
TOTAL SOLID WASTE REVENUES			\$1,107,176	\$690,975	\$3,108,000	\$1,549,050	\$7,172,667	\$13,627,868	\$4,060,183

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2018 - FY 2022

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
<i>PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities</i>									
Hunting Run Park, Phase II	\$75,408	C, P	\$797,572	\$0	\$0	\$0	\$0	\$797,572	\$0
Belmont Passive Park	\$52,987	C	\$0	\$40,000	\$380,000	\$0	\$0	\$420,000	\$0
Livingston Community Center	\$0	C	\$0	\$65,000	\$650,000	\$0	\$0	\$715,000	\$0
Marshall Center Auditorium Upgrades	\$567,248	C, D	\$0	\$304,000	\$0	\$0	\$0	\$304,000	\$0
Ni River Park	\$3,061	C	\$0	\$50,000	\$300,000	\$3,020,000	\$0	\$3,370,000	\$0
Regrading & Fence Replacement at Parks	\$0	C	\$0	\$0	\$0	\$367,100	\$0	\$367,100	\$0
Patriot Park Playground	\$0	C	\$198,700	\$0	\$0	\$0	\$0	\$198,700	\$0
Marshall Park - Replacement Baseball Field Lighting	\$0	CR	\$195,660	\$0	\$0	\$0	\$0	\$195,660	\$0
Parking & Drainage Repairs	\$0	C	\$75,000	\$300,000	\$0	\$0	\$0	\$375,000	\$0
TOTAL PARKS & REC EXPENDITURES	\$698,704		\$1,266,932	\$759,000	\$1,330,000	\$3,387,100	\$0	\$6,743,032	\$0

PARKS & RECREATION REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$1,057,247	\$753,700	\$1,330,000	\$3,387,100	\$0	\$6,528,047	\$0
Concession Receipts		CR	\$195,660	\$0	\$0	\$0	\$0	\$195,660	\$0
Proffers		P	\$14,025	\$0	\$0	\$0	\$0	\$14,025	\$0
Donations		D	\$0	\$5,300	\$0	\$0	\$0	\$5,300	\$0
TOTAL PARKS & REC REVENUES			\$1,266,932	\$759,000	\$1,330,000	\$3,387,100	\$0	\$6,743,032	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FIRE & RESCUE SERVICES EXPENDITURES

FY 2018 - FY 2022

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
<i>FIRE/RESCUE SERVICES - Construction Projects</i>									
Fire Training & Logistics Center	\$250,000	B-PS, P	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000	\$0
New Fire/Rescue - Company 12 (Massaponax area)	-	B-PS	\$0	\$750,000	\$380,000	\$3,800,000	\$0	\$4,930,000	\$0
Replacement of Company 3 (Partlow)	-	C, B-PS	\$0	\$350,000	\$0	\$175,000	\$3,950,000	\$4,475,000	\$0
Company 6 Bunkroom Addition (Salem Church)	-	B-PS	\$675,000	\$0	\$0	\$0	\$0	\$675,000	\$0
Subtotal Fire/Rescue constructon	\$250,000		\$675,000	\$3,100,000	\$380,000	\$3,975,000	\$3,950,000	\$12,080,000	\$0
<i>FIRE/RESCUE SERVICES - Equipment</i>									
Replacement Fire Equipment	on-going	C, B-PS, IE	\$3,314,460	\$2,560,314	\$2,006,808	\$1,839,399	\$1,931,369	\$11,652,350	\$0
Replacement EMS Equipment	on-going	C, B-PS	\$0	\$535,292	\$346,029	\$590,160	\$929,502	\$2,400,983	\$0
CPR Delivery Devices	\$131,000	C	\$65,500	\$78,600	\$0	\$0	\$0	\$144,100	\$0
Subtotal Fire/Rescue equipment	\$1,131,000		\$3,379,960	\$3,174,206	\$2,352,837	\$2,429,559	\$2,860,871	\$14,197,433	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	\$1,381,000		\$4,054,960	\$6,274,206	\$2,732,837	\$6,404,559	\$6,810,871	\$26,277,433	\$0

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$2,065,500	\$78,600	\$2,352,837	\$2,604,559	\$1,700,000	\$8,801,496	\$0
Interest Earnings		IE	\$42,839	\$0	\$0	\$0	\$0	\$42,839	\$0
Proffers		P	\$0	\$2,109	\$0	\$0	\$0	\$2,109	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$1,946,621	\$6,193,497	\$380,000	\$3,800,000	\$5,110,871	\$17,430,989	\$0
TOTAL FIRE/RESCUE SVCS REVENUES			\$4,054,960	\$6,274,206	\$2,732,837	\$6,404,559	\$6,810,871	\$26,277,433	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2018 - FY 2022

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
TRANSPORTATION									
Thornton Rolling/Rt 17	\$1,000,000	IE, P	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Improvements at Exit 118	\$6,864,381	B-T	\$0	\$3,986,053	\$0	\$0	\$4,675,020	\$8,661,073	\$0
Improvements at Exit 126	\$2,385,669	B-T	\$0	\$0	\$1,000,000	\$0	\$2,400,000	\$3,400,000	\$0
Implementation of Findings from Corridor Study - Rt 1 & Rt 208	-	P, B-T	\$0	\$2,878,750	\$2,878,750	\$0		\$5,757,500	\$0
Implementation of Findings from Corridor Study - Rt 2 & Rt 17	-	B-T	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500	\$0
General Engineering Consultant	on-going	C	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000	\$0
TOTAL TRANSPORTATION EXPENDITURES	\$10,250,050		\$120,000	\$9,763,553	\$6,777,500	\$20,000	\$7,075,020	\$23,756,073	\$0

TRANSPORTATION REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000	\$0
Interest Earnings		IE	\$80,134	\$0	\$0	\$0	\$0	\$80,134	\$0
Proffers		P	\$19,866	\$314,512	\$0	\$0	\$0	\$334,378	\$0
Nov 2014 Bond Referendum		B-T	\$0	\$9,429,041	\$6,757,500	\$0	\$7,075,020	\$23,261,561	\$0
TOTAL TRANSPORTATION REVENUES			\$120,000	\$9,763,553	\$6,777,500	\$20,000	\$7,075,020	\$23,756,073	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2018 - FY 2022

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Courtland High School	\$1,000,000		\$8,000,000	\$12,500,000	\$0	\$0	\$0	\$20,500,000	\$0
Subtotal - School Construction	1,000,000		\$8,000,000	\$12,500,000	\$0	\$0	\$0	\$20,500,000	\$0
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B-S	\$4,427,947	\$4,258,838	\$3,967,516	\$3,838,025	\$3,984,353	\$20,476,679	\$0
Capital Maintenance	on-going	B-S	\$10,501,000	\$8,095,000	\$7,245,500	\$5,913,000	\$11,235,000	\$42,989,500	\$0
Technology Replacements/Upgrades	on-going	B-S, C	\$4,432,500	\$3,612,804	\$3,525,750	\$2,757,094	\$3,498,650	\$17,826,798	\$0
Subtotal - School Non-Construction	-		\$19,361,447	\$15,966,642	\$14,738,766	\$12,508,119	\$18,718,003	\$81,292,977	\$0
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	-		\$27,361,447	\$28,466,642	\$14,738,766	\$12,508,119	\$18,718,003	\$101,792,977	\$0

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash from General Fund		C	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov 2014 School Bond Referenda		B-S	\$27,361,447	\$28,466,642	\$14,738,766	\$12,508,119	\$18,718,003	\$101,792,977	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			\$27,361,447	\$28,466,642	\$14,738,766	\$12,508,119	\$18,718,003	\$101,792,977	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

UTILITIES CAPITAL EXPENDITURES

FY 2018 - FY 2022

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
General Utilities Projects									
Utility Lab/Office Expansion	\$3,205,000	B, C	\$1,000,000	\$1,000,000	\$0	\$2,000,000	\$2,000,000	\$6,000,000	\$0
Telemetry/SCADA	\$1,073,088	C	\$350,000	\$350,000	\$200,000	\$0	\$0	\$900,000	\$0
Manhole Rehabilitation Program	on-going	C	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$0
System Improvement Opportunities with Developers	\$1,935,077	C	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000	\$0
Courthouse Tank Inspection & Repainting	-	C	\$0	\$175,000	\$0	\$0	\$0	\$175,000	\$0
Lab Equipment - Flow Analyzer	\$76,000	C	\$0	\$0	\$0	\$300,000	\$0	\$300,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	\$6,289,165		\$1,650,000	\$1,825,000	\$500,000	\$2,600,000	\$2,300,000	\$8,875,000	\$0

Water Projects

Motts Solids Dewatering System	\$1,600,000	FRED, C	\$0	\$750,000	\$750,000	\$0	\$0	\$1,500,000	\$0
Southpoint 12" Waterline Replacement	\$175,000	C	\$0	\$0	\$400,000	\$0	\$0	\$400,000	\$0
Ni River Water Treatment Plant Improvements	\$19,017,467	B, C	\$1,866,600	\$9,000,000	\$1,000,000	\$5,000,000	\$0	\$16,866,600	\$0
Loren Drive/Harrison Rd (formerly known as Falcon Drive Extension)	-	C	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$0
Connect Hunting Run & Ni River for Future Water Source	\$1,800,000	B, C	\$1,500,000	\$3,500,000	\$2,500,000	\$2,500,000	\$6,000,000	\$16,000,000	\$0
16" Waterline - Andora Dr. to Sawhill	\$75,000	B, C	\$0	\$0	\$500,000	\$1,500,000	\$0	\$2,000,000	\$0
Water Meter Replacement Program	on-going	B, C	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$10,000,000	\$0
Brock Road 16" Waterline Extension	\$135,000	C	\$0	\$0	\$0	\$350,000	\$350,000	\$700,000	\$0
Rappahannock Raw Water PS Improvements	\$700,000	FRED, C	\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0
Salem Church to Leavells 16" Waterline	\$50,000	C	\$0	\$0	\$0	\$500,000	\$0	\$500,000	\$0
Old Greenwich 2" Line Upgrade	\$0	C	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
Rt 606 East of I-95 Improvements	-	C	\$250,000	\$250,000	\$0	\$0	\$0	\$500,000	\$0
Spotswood 2" Line Upgrade	-	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
12" AC Line Replacements	\$50,000	C	\$700,000	\$0	\$0	\$0	\$0	\$700,000	\$0
Waverly Village 2" Line Upgrade	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Tank Maintenance	\$790,000	C	\$205,000	\$400,000	\$400,000	\$0	\$0	\$1,005,000	\$0
Maple Grove 2" Waterline	\$125,000	C	\$0	\$0	\$0	\$250,000	\$250,000	\$500,000	\$0
Calhoun/Kilarney WL Connection	\$110,000	C	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0
SUBTOTAL WATER PROJECTS	\$24,627,467		\$7,371,600	\$16,800,000	\$7,550,000	\$12,100,000	\$8,600,000	\$52,421,600	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2018 - FY 2022**

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
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	\$100,000	\$100,000	\$50,000	\$50,000	\$0	\$300,000	\$0
Elimination of Pump Stations 3 & 6	\$70,000	C	\$0	\$0	\$0	\$350,000	\$0	\$350,000	\$0
Old Greenwich Sewer Replacement	\$1,785,957	C	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000	\$0
Fawn Lake Pump Stations 27 & 58	\$1,800,000	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Thornburg Wastewater Transmission Improvements	\$1,599,586	B, C	\$750,000	\$750,000	\$1,900,000	\$1,900,000	\$0	\$5,300,000	\$0
Piedmont Dr - PS 43 & 16 Abandonment	\$50,000	C	\$350,000	\$0	\$0	\$0	\$0	\$350,000	\$0
PS 24	\$800,000	B, C	\$400,000	\$1,750,000	\$0	\$0	\$0	\$2,150,000	\$0
Lafayette Crossing PS Abandonment	-	C	\$0	\$0	\$0	\$300,000	\$100,000	\$400,000	\$0
PS 36 Rehab	-	C	\$150,000	\$400,000	\$0	\$0	\$0	\$550,000	\$0
Replacement Equipment - Field Services	on-going	C	\$95,000	\$120,000	\$425,000	\$110,000	\$0	\$750,000	\$0
Replacement Equipment & Asphalt - Composting	on-going	FRED, C	\$400,000	\$0	\$300,000	\$0	\$0	\$700,000	\$0
SUBTOTAL SEWER PROJECTS	\$6,309,146		\$3,045,000	\$3,720,000	\$3,075,000	\$3,110,000	\$500,000	\$13,450,000	\$0

TOTAL UTILITIES EXPENDITURES	\$37,225,778		\$12,066,600	\$22,345,000	\$11,125,000	\$17,810,000	\$11,400,000	\$74,746,600	0
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UTILITIES REVENUES

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$11,407,884	\$5,000,000	\$4,500,000	\$3,000,000	\$3,000,000	\$26,907,884	
Fredericksburg Share of Certain Projects		FRED	\$658,716	\$312,500	\$345,287	\$0	\$0	\$1,316,503	\$0
Revenue Bonds		B	\$0	\$17,032,500	\$6,279,713	\$14,810,000	\$8,400,000	\$46,522,213	

TOTAL UTILITIES REVENUES			\$12,066,600	\$22,345,000	\$11,125,000	\$17,810,000	\$11,400,000	\$74,746,600	\$0
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

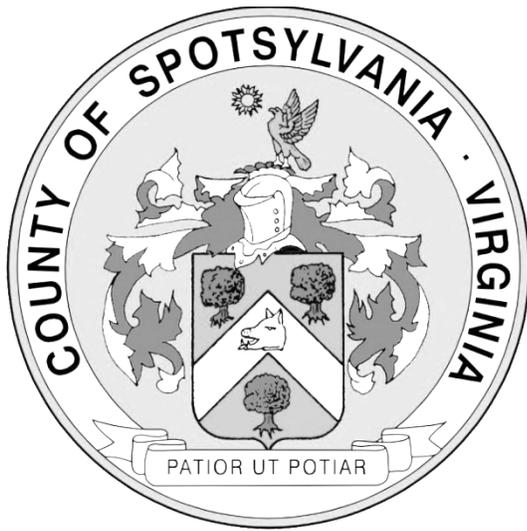
FY 2018 - FY 2022

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
TOTAL FY 2018 - FY 2022 CIP			\$51,051,369	\$80,291,186	\$43,813,046	\$52,156,380	\$58,926,674	\$286,238,655	\$13,443,823

CIP REVENUE SUMMARY

	Total Budget through FY 2017	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total FY 18 - FY 22	Costs beyond FY 2022
Cash		C	\$19,843,620	\$14,533,378	\$13,996,196	\$13,641,350	\$14,816,962	\$76,831,506	\$4,060,183
Interest Earnings		IE	\$122,973	\$18,910	\$0	\$0	\$0	\$141,883	\$0
Fredericksburg Share of Certain Projects		FRED	\$658,716	\$312,500	\$345,287	\$0	\$0	\$1,316,503	\$0
Concession Receipts		CR	\$195,660	\$0	\$0	\$0	\$0	\$195,660	\$0
Donations		D	\$0	\$5,300	\$0	\$0	\$0	\$5,300	\$0
Proffers		P	\$33,891	\$316,621	\$0	\$0	\$0	\$350,512	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$1,946,621	\$8,274,587	\$380,000	\$3,800,000	\$5,110,871	\$19,512,079	\$0
Nov 2014 Bond Referenda - Schools		B-S	\$27,361,447	\$28,466,642	\$14,738,766	\$12,508,119	\$18,718,003	\$101,792,977	\$0
Nov 2014 Bond Referendum - Transportation		B-T	\$0	\$9,429,041	\$6,757,500	\$0	\$7,075,020	\$23,261,561	\$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	\$1,600,000	\$0	\$0	\$0	\$1,600,000	\$9,383,640
Revenue Bonds - Utilities		B	\$0	\$17,032,500	\$6,279,713	\$14,810,000	\$8,400,000	\$46,522,213	\$0
Transfer from Utilities Fund		U	\$888,441	\$301,707	\$65,584	\$296,911	\$305,818	\$1,858,461	\$0
TOTAL FY 2018 - FY 2022 CIP			\$51,051,369	\$80,291,186	\$43,813,046	\$52,156,380	\$58,926,674	\$286,238,655	\$13,443,823



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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General Government Projects



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: \$7,402,229

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$1,084,870	\$1,277,443	\$944,109	\$1,102,141	\$1,135,205	\$5,543,768
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Transfer from Utilities)	\$888,441	\$301,707	\$65,584	\$296,911	\$305,818	\$1,858,461
Total Projected/Requested Funding	\$1,973,311	\$1,579,150	\$1,009,693	\$1,399,052	\$1,441,023	\$7,402,229

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$1,973,311	\$1,579,150	\$1,009,693	\$1,399,052	\$1,441,023	\$7,402,229
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,973,311	\$1,579,150	\$1,009,693	\$1,399,052	\$1,441,023	\$7,402,229

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT:

Public Works

PROJECT NAME:

Major Maintenance/Renovations at 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. 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.

TOTAL CAPITAL PROJECT COST:

\$9,732,440

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:

\$9,383,640

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$348,800	\$0	\$348,800
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$348,800	\$0	\$348,800

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$348,800	\$0	\$348,800
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$348,800	\$0	\$348,800

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT:

Public Works

PROJECT NAME:

Major Maintenance/Renovations at Holbert Building

PROJECT CONTACT/PHONE #:

Benjamin Loveday, (540) 507-7307

PROJECT LOCATION:

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



PROJECT DESCRIPTION:

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

PROJECT OBJECTIVE:

This project will replace the HVAC system in the Holbert Building. 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	County owns building	FY 2019

PRIOR YEAR BUDGETS:

\$350,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
Other Type Bonds	\$0	\$1,600,000	\$0	\$0	\$0	\$1,600,000
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$3,600,000	\$0	\$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	\$3,600,000	\$0	\$0	\$0	\$3,600,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$3,600,000	\$0	\$0	\$0	\$3,600,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$160,000	\$156,000	\$152,000	\$148,000	\$616,000
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$160,000	\$156,000	\$152,000	\$148,000	\$616,000

DEPARTMENT: **Public Works**
PROJECT NAME: **Courthouse Sidewalk Replacement and Repair**
PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307
PROJECT LOCATION: Sidewalk in front of Spotsylvania Courthouse Building, 9101 Courthouse Road, Spotsylvania, VA 22553

PROJECT DESCRIPTION: The existing Courthouse brick sidewalks are in need of replacement. The existing mortar joints are spalling to the point that the sidewalks are causing a safety issue. The depth of joint erosion has reached a depth over 1" causing a trip hazard. Consultation with masonry contractor has determined the most cost effective option is full replacement due to the high cost of labor associated with mortar removal from the joints. The area is approximately 8,600 square feet.

PROJECT OBJECTIVE: This project is necessary to ensure pedestrian safety

TOTAL CAPITAL PROJECT COST: \$200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
FY 2018		N/A	FY 2018

PRIOR YEAR BUDGETS: \$0
COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$200,000	\$0	\$0	\$0	\$0	\$200,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$200,000	\$0	\$0	\$0	\$0	\$200,000

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT: **Public Works**
PROJECT NAME: **Build-Out of First Floor Merchants Square Building**
PROJECT CONTACT/PHONE #: Benjamin Loveday, (540) 507-7307
PROJECT LOCATION: Merchants Square Building - local government office building located at 9019 Old Battlefield Blvd, Spotsylvania, VA 22553

PROJECT DESCRIPTION: Relocate the Spotsylvania County Museum archives prior to the renovation and expansion of the Judicial Center.

PROJECT OBJECTIVE: The Spotsylvania County Museum archive room is located on the second floor of the former Circuit Court building. This building is slated for renovation as part of the larger Judicial Center expansion and renovation project, and the museum archives must move ahead of the construction. The archive must have a climate controlled conditioned space to ensure that artifacts do not degrade. This project involves finishing approximately 7,800 square feet of space on the first floor of the Merchants Square Building for use as the museum archive and workshop.

TOTAL CAPITAL PROJECT COST:

\$900,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$50,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$850,000	\$0	\$0	\$0	\$0	\$850,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$850,000	\$0	\$0	\$0	\$0	\$850,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$850,000	\$0	\$0	\$0	\$0	\$850,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$850,000	\$0	\$0	\$0	\$0	\$850,000

- 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	\$37,671	\$38,809	\$39,981	\$41,190	\$157,651
Total Est Add'l Operational Costs	\$0	\$37,671	\$38,809	\$39,981	\$41,190	\$157,651

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:

\$5,776,093

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$976,093	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,776,093
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$976,093	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,776,093

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	\$976,093	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,776,093
Total Projected Capital Expenditures	\$976,093	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$5,776,093

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT:	Multiple Departments					
PROJECT NAME:	Vehicles for New F/R & Sheriff's Office Positions in FY 2018					
PROJECT CONTACT/PHONE #:	Various					
PROJECT LOCATION:	N/A					
PROJECT DESCRIPTION:	Vehicles purchased as a result of newly approved positions in Fire & Rescue and in the Sheriff's Office.					
PROJECT OBJECTIVE:	Provide vehicles for newly approved positions.					
TOTAL CAPITAL PROJECT COST:	\$260,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation			
	N/A	N/A	N/A			
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	\$260,000	\$0	\$0	\$0	\$0	\$260,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$260,000	\$0	\$0	\$0	\$0	\$260,000
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	\$260,000	\$0	\$0	\$0	\$0	\$260,000
Total Projected Capital Expenditures	\$260,000	\$0	\$0	\$0	\$0	\$260,000
- 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: AEDs in County-Owned Buildings

PROJECT CONTACT/PHONE #: Greg Leitz, (540) 507-7907

PROJECT LOCATION: All occupied County buildings in which AEDs do not currently exist.

PROJECT DESCRIPTION: Placement of automated external defibrillator (AED) units in all County buildings in which they do not exist.

PROJECT OBJECTIVE: Having AEDs on-site provides a potential life-saving option for victims of cardiac arrest and can help bridge the gap between when the emergency is discovered and when first responders arrive on the scene. This initiative creates a safer workplace and gives employees and building visitors the best chance of survival in the event of cardiac arrest. Units will be mounted to a wall in a location central to building occupants and, when needed, the unit will talk a user through the steps needed to allow the system to analyze the victim's heartbeat and, if necessary, deliver a lifesaving shock.

TOTAL CAPITAL PROJECT COST: \$32,500

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
FY 2018		N/A	FY 2018

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$32,500	\$0	\$0	\$0	\$0	\$32,500
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$32,500	\$0	\$0	\$0	\$0	\$32,500

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	\$32,500	\$0	\$0	\$0	\$0	\$32,500
Total Projected Capital Expenditures	\$32,500	\$0	\$0	\$0	\$0	\$32,500

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$5,000	\$0	\$5,000	\$0	\$10,000
Total Est Add'l Operational Costs	\$0	\$5,000	\$0	\$5,000	\$0	\$10,000

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 2023 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 2020		FY 2020

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$15,000	\$0	\$0	\$0	\$0	\$15,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$15,000	\$0	\$1,250,000	\$7,100,000	\$4,500,000	\$12,865,000

Projected Capital Expenditures:

Land	\$0	\$0	\$350,000	\$0	\$0	\$350,000
Professional Services	\$15,000	\$0	\$900,000	\$0	\$0	\$915,000
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	\$15,000	\$0	\$1,250,000	\$7,100,000	\$4,500,000	\$12,865,000

- 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	\$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:

\$5,200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2015 - FY 2016	N/A	FY 2017 - FY 2019

PRIOR YEAR BUDGETS:

\$3,100,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$2,081,090	\$0	\$0	\$0	\$2,081,090
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)	\$0	\$18,910	\$0	\$0	\$0	\$18,910
Total Projected/Requested Funding	\$0	\$2,100,000	\$0	\$0	\$0	\$2,100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$2,100,000	\$0	\$0	\$0	\$2,100,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,100,000	\$0	\$0	\$0	\$2,100,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$364,934	\$355,272	\$345,610	\$335,947	\$1,401,763
- Utilities, insurance, maintenance	\$0	\$0	\$250,000	\$250,000	\$250,000	\$750,000
Total Est Add'l Operational Costs	\$0	\$364,934	\$605,272	\$595,610	\$585,947	\$2,151,763

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 \$206,000.

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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 (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT: Information Services
PROJECT NAME: Next Generation 911 (NG911)
PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552
PROJECT LOCATION: N/A

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

PROJECT OBJECTIVE: Perform system evaluation, analysis, enhancements, and upgrades to facilitate and support NG911 mandates such as text-to-911. 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 2017		N/A

PRIOR YEAR BUDGETS: \$200,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$1,500,000	\$0	\$0	\$0	\$1,500,000
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	\$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: Parks & Recreation System Upgrade
PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Upgrade the current Parks & Rec registration system. The current system manages citizen records and registration both at the counter and over the Internet. Continued replacement and utilization of technology in this department will maximize the human resources available to process citizen requests efficiently and effectively.

PROJECT OBJECTIVE: Information Services has determined, based on industry trends, that the existing system has exceeded its expected useful life cycle and is due for replacement. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels. Additionally, it may require the hiring of more staff to offset these service level degradations. As more technology becomes available, the need to meet the changing demands of a growing citizenry should be addressed through the appropriate refreshing of technology.

TOTAL CAPITAL PROJECT COST:

\$150,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$150,000	\$0	\$0	\$0	\$0	\$150,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$150,000	\$0	\$0	\$0	\$0	\$150,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$120,000
Total Est Add'l Operational Costs	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$120,000

DEPARTMENT: **Information Services**
 PROJECT NAME: **Replacement Computers & Servers**
 PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552
 PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Replacement cycle for County computers and servers.

PROJECT OBJECTIVE: This project funds the replacement cycle for County computers and servers.

TOTAL CAPITAL PROJECT COST:

\$2,488,655

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$395,955	\$712,660	\$541,250	\$429,700	\$409,090	\$2,488,655
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$395,955	\$712,660	\$541,250	\$429,700	\$409,090	\$2,488,655

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	\$395,955	\$712,660	\$541,250	\$429,700	\$409,090	\$2,488,655
Total Projected Capital Expenditures	\$395,955	\$712,660	\$541,250	\$429,700	\$409,090	\$2,488,655

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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
	N/A	N/A	FY 2019

PRIOR YEAR BUDGETS: \$0
COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	\$7,500	\$7,500	\$7,500	\$22,500
Total Est Add'l Operational Costs	\$0	\$0	\$7,500	\$7,500	\$7,500	\$22,500

DEPARTMENT: Information Services
PROJECT NAME: Trakit-9 Migration-upgrade for CRW
PROJECT CONTACT/PHONE #: Jane Reeve, (540) 507-7552
PROJECT LOCATION: Community Development

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: \$261,395

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
FY 2017 - FY 2018		N/A	FY 2018

PRIOR YEAR BUDGETS: \$40,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$57,563	\$0	\$0	\$0	\$0	\$57,563
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Transfer from Code Compliance)	\$163,832	\$0	\$0	\$0	\$0	\$163,832
Total Projected/Requested Funding	\$221,395	\$0	\$0	\$0	\$0	\$221,395

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$221,395	\$0	\$0	\$0	\$0	\$221,395
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$221,395	\$0	\$0	\$0	\$0	\$221,395

- 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 & FY 2021	N/A	FY 2019 & FY 2022

PRIOR YEAR BUDGETS: \$0
COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$200,000	\$0	\$0	\$200,000	\$400,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$200,000	\$0	\$0	\$200,000	\$400,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$200,000	\$0	\$0	\$200,000	\$400,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$200,000	\$0	\$0	\$200,000	\$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:	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:	\$756,600					
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 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	\$252,200	\$0	\$0	\$252,200	\$0	\$504,400
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$252,200	\$0	\$0	\$252,200	\$0	\$504,400
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$252,200	\$0	\$0	\$252,200	\$0	\$504,400
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$252,200	\$0	\$0	\$252,200	\$0	\$504,400
- 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: **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.
 \$250,000 FY18 For Livingston Entrance Area/Parking Lot Repair and Resurface

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: \$500,000

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$500,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$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	\$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:

\$15,847,468

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$294,976	\$200,975	\$2,193,000	\$446,850	\$6,317,667	\$9,453,468
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$294,976	\$200,975	\$2,193,000	\$446,850	\$6,317,667	\$9,453,468

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$294,976	\$200,975	\$39,000	\$446,850	\$885,667	\$1,867,468
Construction	\$0	\$0	\$2,154,000	\$0	\$5,432,000	\$7,586,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$294,976	\$200,975	\$2,193,000	\$446,850	\$6,317,667	\$9,453,468

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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: \$1,110,000

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	\$110,000	\$100,000	\$70,000	\$350,000	\$480,000	\$1,110,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$110,000	\$100,000	\$70,000	\$350,000	\$480,000	\$1,110,000

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	\$110,000	\$100,000	\$70,000	\$350,000	\$480,000	\$1,110,000
Total Projected Capital Expenditures	\$110,000	\$100,000	\$70,000	\$350,000	\$480,000	\$1,110,000

- 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: \$2,060,000

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$150,000	\$340,000	\$795,000	\$450,000	\$325,000	\$2,060,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$150,000	\$340,000	\$795,000	\$450,000	\$325,000	\$2,060,000

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	\$150,000	\$340,000	\$795,000	\$450,000	\$325,000	\$2,060,000
Total Projected Capital Expenditures	\$150,000	\$340,000	\$795,000	\$450,000	\$325,000	\$2,060,000

- 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:

Hunting Run Park, Phase II

PROJECT CONTACT/PHONE #:

Kevin Brooks, (540) 507-7525

PROJECT LOCATION:

Hunting Run Park on Elys Ford Road
(Photo credit: Google Earth)



PROJECT DESCRIPTION:

Phase II is designed and includes permanent check-in station and restrooms, well and septic systems with public drinking water filtration, driveway for engine pick up and drop off, pervious trail to the ADA fishing pier, picnic shelter and floating pier.

PROJECT OBJECTIVE:

Improve the public convenience of the Hunting Run Park facility. Current Phase I improvements have mulch trail to ADA pier that is difficult for disabled users. The Phase 2 project will: provide a paved driveway to pick up and drop off the engines from the engine rental use attendant station; provide sanitary waste disposal; and through the placement of portable units provide access to public drinking water at the facility.

TOTAL CAPITAL PROJECT COST:

\$872,980

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2007, FY 2018	N/A	FY 2018

PRIOR YEAR BUDGETS:

\$75,408

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$14,025	\$0	\$0	\$0	\$0	\$14,025
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	\$783,547	\$0	\$0	\$0	\$0	\$783,547
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$797,572	\$0	\$0	\$0	\$0	\$797,572

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$797,572	\$0	\$0	\$0	\$0	\$797,572
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$797,572	\$0	\$0	\$0	\$0	\$797,572

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$16,169	\$16,834	\$17,529	\$18,253	\$68,785
Total Est Add'l Operational Costs	\$0	\$16,169	\$16,834	\$17,529	\$18,253	\$68,785

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$40,000	\$380,000	\$0	\$0	\$420,000
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	\$11,566	\$12,144	\$23,710
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$11,566	\$12,144	\$23,710

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 2019	County owns land	FY 2020

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$65,000	\$650,000	\$0	\$0	\$715,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$65,000	\$650,000	\$0	\$0	\$715,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$65,000	\$0	\$0	\$0	\$65,000
Construction	\$0	\$0	\$650,000	\$0	\$0	\$650,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$65,000	\$650,000	\$0	\$0	\$715,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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	\$15,377	\$15,842	\$31,219
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$15,377	\$15,842	\$31,219

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 2019		N/A	FY 2019

PRIOR YEAR BUDGETS:

\$567,248

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$298,700	\$0	\$0	\$0	\$298,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Donations)	\$0	\$5,300	\$0	\$0	\$0	\$5,300
Total Projected/Requested Funding	\$0	\$304,000	\$0	\$0	\$0	\$304,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$61,000	\$0	\$0	\$0	\$61,000
Construction	\$0	\$243,000	\$0	\$0	\$0	\$243,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$304,000	\$0	\$0	\$0	\$304,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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	\$6,869	\$7,212	\$7,573	\$21,654
Total Est Add'l Operational Costs	\$0	\$0	\$6,869	\$7,212	\$7,573	\$21,654

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: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$50,000	\$300,000	\$3,020,000	\$0	\$3,370,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$50,000	\$300,000	\$3,020,000	\$0	\$3,370,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$50,000	\$300,000	\$0	\$0	\$350,000
Construction	\$0	\$0	\$0	\$3,020,000	\$0	\$3,020,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$50,000	\$300,000	\$3,020,000	\$0	\$3,370,000

- 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	\$78,582	\$78,582
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$78,582	\$78,582

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 and fence at the track area. 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 2021	N/A	FY 2021

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$367,100	\$0	\$367,100
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Concession Receipts)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$367,100	\$0	\$367,100

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$367,100	\$0	\$367,100
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$367,100	\$0	\$367,100

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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: **Patriot Park Playground Installation**

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

PROJECT LOCATION:
 Patriot Park
 5710 Smith Station Road
 Fredericksburg, VA 22407



PROJECT DESCRIPTION: Purchase and install a playground system similar in size and type to that located at Loriella Park.

PROJECT OBJECTIVE: This project would meet the current requests of citizens to have a playground system located at Patriot Park with a service age range of toddler to young teens. This system would include swings which are often requested and are currently located only at Loriella Park.

TOTAL CAPITAL PROJECT COST: \$198,700

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
FY 2018		N/A	FY 2018

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$198,700	\$0	\$0	\$0	\$0	\$198,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$198,700	\$0	\$0	\$0	\$0	\$198,700

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$198,700	\$0	\$0	\$0	\$0	\$198,700
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$198,700	\$0	\$0	\$0	\$0	\$198,700

- 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	\$3,087	\$3,241	\$3,403	\$3,574	\$13,305
Total Est Add'l Operational Costs	\$0	\$3,087	\$3,241	\$3,403	\$3,574	\$13,305

DEPARTMENT:

Parks and Recreation

PROJECT NAME:

Marshall Park - Replacement Baseball Field Lighting

PROJECT CONTACT/PHONE #:

Darrell Holladay, (540) 507-7528

PROJECT LOCATION:

Existing Marshall Park located south of the Courthouse on Business Route 208
(Photo credit: Google Earth)



PROJECT DESCRIPTION:

This project is required to replace worn and dereriorating equipment on the baseball field. Recent service work on this facility determined the need for replacement as soon as possible.

PROJECT OBJECTIVE:

This project is needed to replace deteriorating poles and electrical components of the field lighting system. Current infrastructure is failing and in need of replacement before significant safety issues become a reality.

TOTAL CAPITAL PROJECT COST:

\$195,660

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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)	\$195,660	\$0	\$0	\$0	\$0	\$195,660
Total Projected/Requested Funding	\$195,660	\$0	\$0	\$0	\$0	\$195,660

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$195,660	\$0	\$0	\$0	\$0	\$195,660
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$195,660	\$0	\$0	\$0	\$0	\$195,660

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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:

\$375,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$75,000	\$300,000	\$0	\$0	\$0	\$375,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$75,000	\$300,000	\$0	\$0	\$0	\$375,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$75,000	\$300,000	\$0	\$0	\$0	\$375,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$75,000	\$300,000	\$0	\$0	\$0	\$375,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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:

\$2,250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

	Planning & Design	Property Acquisition	Construction/Implementation
FY 2017		N/A	FY 2018/FY 2019

PRIOR YEAR BUDGETS:

\$250,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$2,109	\$0	\$0	\$0	\$2,109
General Obligation Bond	\$0	\$1,997,891	\$0	\$0	\$0	\$1,997,891
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$199,789	\$194,794	\$189,800	\$184,805	\$769,188
- Utilities, insurance, maintenance	\$0	\$0	\$44,779	\$46,132	\$47,527	\$138,438
Total Est Add'l Operational Costs	\$0	\$199,789	\$239,573	\$235,932	\$232,332	\$907,626

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 assumes 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: \$4,930,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2019	FY 2018 - 2019	FY 2020 - FY 2021

PRIOR YEAR BUDGETS: \$0
COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$750,000	\$380,000	\$3,800,000	\$0	\$4,930,000
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	\$750,000	\$380,000	\$3,800,000	\$0	\$4,930,000

Projected Capital Expenditures:

Land	\$0	\$750,000	\$0	\$0	\$0	\$750,000
Professional Services	\$0	\$0	\$380,000	\$0	\$0	\$380,000
Construction	\$0	\$0	\$0	\$3,800,000	\$0	\$3,800,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$750,000	\$380,000	\$3,800,000	\$0	\$4,930,000

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 18.00 18.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$1,262,341	\$1,262,341
- Debt service	\$0	\$75,000	\$111,125	\$488,300	\$475,975	\$1,150,400
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$79,211	\$79,211
Total Est Add'l Operational Costs	\$0	\$75,000	\$111,125	\$488,300	\$1,817,527	\$2,491,952

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 FIREM. 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. In addition to the debt service shown below, we can expect additional operating costs of approximately \$80,000 beginning in FY 2023 for utilities, insurance and on-going maintenance.

TOTAL CAPITAL PROJECT COST:

\$4,475,000

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$350,000	\$0	\$0	\$3,950,000	\$4,300,000
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	\$175,000	\$0	\$175,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$350,000	\$0	\$175,000	\$3,950,000	\$4,475,000

Projected Capital Expenditures:

Land	\$0	\$350,000	\$0	\$0	\$0	\$350,000
Professional Services	\$0	\$0	\$0	\$175,000	\$0	\$175,000
Construction	\$0	\$0	\$0	\$0	\$3,950,000	\$3,950,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$350,000	\$0	\$175,000	\$3,950,000	\$4,475,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$35,000	\$34,125	\$33,250	\$427,375	\$529,750
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$35,000	\$34,125	\$33,250	\$427,375	\$529,750

DEPARTMENT: Department of Fire, Rescue, and Emergency Management
PROJECT NAME: Station 6 Bunkroom Addition (Salem Church)
PROJECT CONTACT/PHONE #: Jay Cullinan, (540) 507-7900
PROJECT LOCATION: Existing Company 6 located on Salem Church Road.

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

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

TOTAL CAPITAL PROJECT COST:

\$675,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$675,000	\$0	\$0	\$0	\$0	\$675,000
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	\$675,000	\$0	\$0	\$0	\$0	\$675,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$75,000	\$0	\$0	\$0	\$0	\$75,000
Construction	\$600,000	\$0	\$0	\$0	\$0	\$600,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$675,000	\$0	\$0	\$0	\$0	\$675,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$59,063	\$57,797	\$56,531	\$55,266	\$54,000	\$282,657
- Utilities, insurance, maintenance	\$0	\$24,148	\$24,877	\$25,629	\$26,404	\$101,058
Total Est Add'l Operational Costs	\$59,063	\$81,945	\$81,408	\$80,895	\$80,404	\$383,715

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:

\$14,053,333

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 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,271,621	\$3,095,606	\$0	\$0	\$882,019	\$5,249,246
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	\$2,000,000	\$0	\$2,352,837	\$2,429,559	\$1,978,852	\$8,761,248
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$42,839	\$0	\$0	\$0	\$0	\$42,839
Total Projected/Requested Funding	\$3,314,460	\$3,095,606	\$2,352,837	\$2,429,559	\$2,860,871	\$14,053,333

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	\$3,314,460	\$3,095,606	\$2,352,837	\$2,429,559	\$2,860,871	\$14,053,333
Total Projected Capital Expenditures	\$3,314,460	\$3,095,606	\$2,352,837	\$2,429,559	\$2,860,871	\$14,053,333

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$140,938	\$541,262	\$527,862	\$514,462	\$692,013	\$2,416,537
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$140,938	\$541,262	\$527,862	\$514,462	\$692,013	\$2,416,537

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: \$275,100

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	N/A	N/A	FY 2015 - FY 2019

PRIOR YEAR BUDGETS: \$131,000
COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	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	\$65,500	\$78,600	\$0	\$0	\$0	\$144,100
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$65,500	\$78,600	\$0	\$0	\$0	\$144,100

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	\$65,500	\$78,600	\$0	\$0	\$0	\$144,100
Total Projected Capital Expenditures	\$65,500	\$78,600	\$0	\$0	\$0	\$144,100

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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



Transportation Projects



DEPARTMENT: **Planning**

PROJECT NAME: **Thornton Rolling/Rt. 17 Intersection Improvements**

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

PROJECT LOCATION: **Intersection of Thornton Rolling Road and Rt. 17**



PROJECT DESCRIPTION: **Installation of turn lanes and signal at intersection of Thornton Rolling Road and Rt. 17.**

PROJECT OBJECTIVE: **Intersection improvements.**

TOTAL CAPITAL PROJECT COST: **The total cost is estimated at \$3.0 million. \$0.8 million is expected to be paid through Congestion Mitigation and Air Quality (CMAQ) funding while \$1.1 million comes from the State's Revenue Sharing program. Only the County's share of project is shown below.**

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2015	FY 2016	FY 2017

PRIOR YEAR BUDGETS: **\$1,000,000**

COSTS PROJECTED BEYOND CIP PERIOD: **\$0**

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$19,866	\$0	\$0	\$0	\$0	\$19,866
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 (Interest Earnings)	\$80,134	\$0	\$0	\$0	\$0	\$80,134
Total Projected/Requested Funding	\$100,000	\$0	\$0	\$0	\$0	\$100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$100,000	\$0	\$0	\$0	\$0	\$100,000

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

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. 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. The FY 2022 funding below indicates \$1.75 million as the County's estimated share of the cost for a parallel access road to tie in to Dan Bell Lane for which the County may apply for revenue sharing in the future.

TOTAL CAPITAL PROJECT COST:

The total cost for the project at Exit 118 is estimated at \$32.5 million. \$0.9 million is to come from State secondary funding; \$4.6 million has been awarded through the State SMART Scale program; and \$13.2 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:

\$6,864,381

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$3,986,053	\$0	\$0	\$4,675,020	\$8,661,073
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$3,986,053	\$0	\$0	\$4,675,020	\$8,661,073

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$3,986,053	\$0	\$0	\$4,675,020	\$8,661,073
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$3,986,053	\$0	\$0	\$4,675,020	\$8,661,073

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$398,605	\$388,640	\$378,675	\$836,212	\$2,002,132
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$398,605	\$388,640	\$378,675	\$836,212	\$2,002,132

DEPARTMENT: Planning
PROJECT NAME: Improvements at Exit 126
PROJECT CONTACT/PHONE #: Doug Morgan, (540) 507-7437
PROJECT LOCATION:

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

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

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

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
			FY 2020

PRIOR YEAR BUDGETS: \$1,510,669

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$1,000,000	\$0	\$2,400,000	\$3,400,000
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$1,000,000	\$0	\$2,400,000	\$3,400,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$1,000,000	\$0	\$2,400,000	\$3,400,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$1,000,000	\$0	\$2,400,000	\$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	\$100,000	\$97,500	\$335,000	\$532,500
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$100,000	\$97,500	\$335,000	\$532,500

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: \$5,757,500

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2017		N/A

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$314,512	\$0	\$0	\$0	\$314,512
General Obligation Bond	\$0	\$2,564,238	\$2,878,750	\$0	\$0	\$5,442,988
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$256,424	\$537,888	\$524,281	\$510,673	\$1,829,266
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$256,424	\$537,888	\$524,281	\$510,673	\$1,829,266

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: \$5,757,500

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2017		N/A

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500
Other Type Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,878,750	\$2,878,750	\$0	\$0	\$5,757,500

- Additional Positions (FTEs) 0.00 0.00 0.00 0.00 0.00 0.00

Estimated Add'l Operational Costs

- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
- Debt service	\$0	\$287,875	\$568,553	\$554,159	\$539,766	\$1,950,353
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$287,875	\$568,553	\$554,159	\$539,766	\$1,950,353

DEPARTMENT:**Planning****PROJECT NAME:****Transportation - General Engineering Consultant****PROJECT CONTACT/PHONE #:**

Dan Cole, (540) 507-7398 & Doug Morgan, (540) 507-7437

PROJECT LOCATION:

Various locations of transportation projects.
County Administrator to approve expenditures
on as needed basis.

**PROJECT DESCRIPTION:**

Fund minor expenditures such as transportation project studies, data collection and cost estimates to be done by qualified professionals. Grant applications and FAMPO funding requests dictate qualified professionals to develop costs.

PROJECT OBJECTIVE:

Obtain Regional Surface Transportation Program (RSTP), Congestion Mitigation Air Quality (CMAQ), Virginia Department of Rail and Public Transportation (VDRPT) funding allocations / grants using credible cost estimates and analyses performed by qualified professionals.

TOTAL CAPITAL PROJECT COST:

\$80,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

on-going

COSTS PROJECTED BEYOND CIP PERIOD:

on-going

Projected Project Revenues & Expenditures

FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	5-Year Total
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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	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$80,000

- Additional Positions (FTEs)	0.00	0.00	0.00	0.00	0.00	0.00
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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



School Capital Projects

Renovate & Expand Courtland High School (FY 18 – FY 22 costs = \$20,500,000)

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 18 – FY 22 costs = \$20,476,679)

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 120 77-passenger buses, 37 buses for special needs students, and 4 Head Start buses. Also included is purchase of three bus engines.

Capital Maintenance (FY 18 – FY 22 costs = \$42,989,500)

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 18 – FY 22 costs = \$17,826,798)

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.



Utilities Capital Projects



Utilities Capital Projects

General Projects

Utility Lab/Office Expansion (FY 18 – FY 22 costs = \$6,000,000)

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 (FY 18 – FY 22 costs = \$900,000)

Supervisory Control and Data Acquisition (SCADA) for all water and wastewater facilities to include upgrades and system improvements.

Manhole Rehabilitation Program (FY 18 – FY 22 costs = \$250,000)

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

System Improvement Opportunities with Developers (FY 18 – FY 22 costs = \$1,250,000)

Extension/enlargement of water/sewer lines throughout the County to coincide with local improvements and development.

Courthouse Tank Inspection & Repainting (FY18 – FY 22 costs = \$175,000)

The Spotsylvania County Courthouse Area water tank is no longer in service as a water tank, but has been in use as a location for certain portions of the County's communications equipment. By FY 2018, all County equipment is expected to be removed from the tower. However, the tank has been identified by Utilities staff as the primary location for the Advanced Metering Infrastructure (AMI) system communications equipment. As such, the structural integrity of the tank must be maintained through inspection and painting.

Lab Equipment – Flow Analyzer (FY 18 – FY 22 costs = \$300,000)

Flow injection analysis is a continuous flow method for rapidly processing samples. A basic continuous segmented flow analyzer system consists of an auto sampler, a peristaltic pump, a chemistry manifold, a detector and data acquisition software. Continuous segmented flow analyzers have been developed for running multiple parameters on a larger number of samples.

Water Projects

Motts Solids Dewatering System (FY 18 – FY 22 costs = \$1,500,000)

Construction of new solids handling facility at the Motts Run Water Treatment Plant.

Southpoint 12" Waterline Replacement (FY 18 – FY 22 costs = \$400,000)

Replacement of existing 12" cast iron water line under Rt. 1 at entrance to Southpoint Parkway.

Ni River Water Treatment Plant Improvements/Expansion (FY 18 – FY 22 costs = \$16,866,600)

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 18 – FY 22 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.

Connect Hunting Run & Ni River for Future Water Source (FY 18 – FY 22 costs = \$16,000,000)

This project consists of planning, permitting, pumping and transmission facilities to provide an inner connection between reservoirs. This connection will allow optimization of the County's existing reservoirs and provide for future connections to future raw water sources in the county.

16" Waterline – Andora Drive to Sawhill (FY 18 – FY 22 costs = \$2,000,000)

This project includes funding for water distribution and transmission to increase supply capabilities to the western Five Mile Fork and American Central areas. The water main will aid the existing American Central line in supplying areas located near the main and also fortify the supply to the new Sawhill and American Central tanks. These areas are expected to experience demand growth in build out conditions. The project is identified in the 2002 Revision to the Water/Sewer Master Plan.

Water Meter Replacement Program (FY 18 – FY 22 costs = \$10,000,000)

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 18 – FY 22 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.

Rappahannock Raw Water Pump Station Improvements (FY 18 – FY 22 costs = \$600,000)

This project will consist of the installation of a 12 MGD pump with a variable frequency drive and the replacement of an existing 6 MGD per pump with a variable frequency drive. The motor control centers that drive the raw water pumps will also be upgraded to allow for greater pumping reliability and control during high use and emergency conditions.

Salem Church to Leavells 16" Waterline (FY 18 – FY 22 costs = \$500,000)

The 16" waterline from Salem Church Road to Leavells Road will provide the needed redundancy to maintain water supply and fire protection in areas east of Five Mile Fork.

Old Greenwich 2" Line Upgrade (FY 18 – FY 22 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.

Rt. 606 East of I-95 Improvements (FY 18 – FY 22 costs = \$500,000)

Improvements to water/sewer lines on Mudd Tavern Road, east of I-95, contingent upon VDOT plans.

Spotswood 2" Line Upgrade (FY 18 – FY 22 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.

12" AC Line Replacements (FY 18 – FY 22 costs = \$700,000)

This project will replace aging water lines in Catlett Farm and Hilldrup Farm areas with ductile iron lines.

Waverly Village 2" Line Upgrade (FY 18 – FY 22 costs = \$150,000)

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 18 – FY 22 costs = \$1,005,000)

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 18 – FY 22 costs = \$500,000)

Replacement of 2" water line in Maple Grove subdivision with 6" water lines and fire hydrants.

Calhoun/Kilarney Waterline Connection (FY 18 – FY 22 costs = \$100,000)

Water line extensions to provide necessary system redundancy within the Chancellor Green area.

Sewer Projects

I-95 to Woodland Drive – Phase II (FY 18 – FY 22 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 18 – FY 22 costs = \$300,000)

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 18 – FY 22 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 Townhouses Sewer Replacement (FY 18 – FY 22 costs = \$1,200,000)

This project involves replacement of failing sewer infrastructure at the Old Greenwich townhouses.

Fawn Lake Pump Stations 27 & 58 (FY 18 – FY 22 costs = \$200,000)

This project will rebuild pump station 58 and eliminate pump station 27 by constructing a gravity line to pump station 58.

Thornburg Wastewater Transmission Improvements (FY 18 – FY 22 costs = \$5,300,000)

This project includes funding for wastewater transmission improvement projects to serve the Thornburg area as proposed by the 2002 Revision to the Water/Sewer Master Plan. Projects include a 2,100 gallons per minute (GPM) pump station at the Po/Ni confluence, a 14" force main from the Thornburg Development District to Massaponax Creek Drainage Basin, a 48" Rt. 17 Interceptor from the Massaponax Creek Interceptor to the force main point of discharge, a 42" Lower Po River Interceptor along the Po River to the west side of Interstate 95, and a 30" trunk main from the termination of the Lower Po River Interceptor to pick up existing Thornburg Wastewater Treatment Plant and Matta River drainage basin flows.

Piedmont Drive – Pump Station 43 and 16 Abandonment (FY 18 – FY 22 costs = \$350,000)

This project will extend sewer lines to eliminate pump stations 43 and 16 from Piedmont Drive to Battlefield Green.

Replacement of Pump Station 24 (FY 18 – FY 22 costs = \$2,150,000)

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 18 – FY 22 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.

Pump Station 36 Rehab (FY 18 – FY 22 costs = \$550,000)

Replacement of existing pump station and force main to improve operational effectiveness and increase capacity.

Replacement Equipment – Field Services (FY 18 – FY 22 costs = \$750,000)

This project includes funding to replace significant equipment used in operations of the water and sewer system.

Replacement Equipment – Composting (FY 18 – FY 22 costs = \$700,000)

This project includes funding to replace significant equipment used in the composting operation.

