

Capital Improvement Plan

Introduction

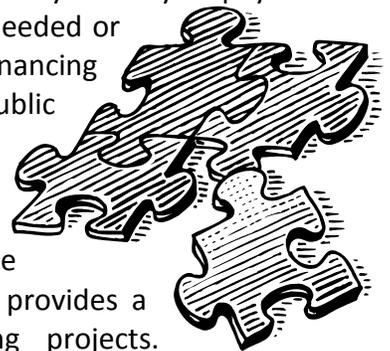
The Capital Improvement Plan (CIP) is a planning tool for development, modernization and/or replacement of County infrastructure, ensuring the County is able to maintain an effective level of services for citizens now and into the future. Each year the CIP is reviewed, priorities are reassessed, and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

Financing Methods

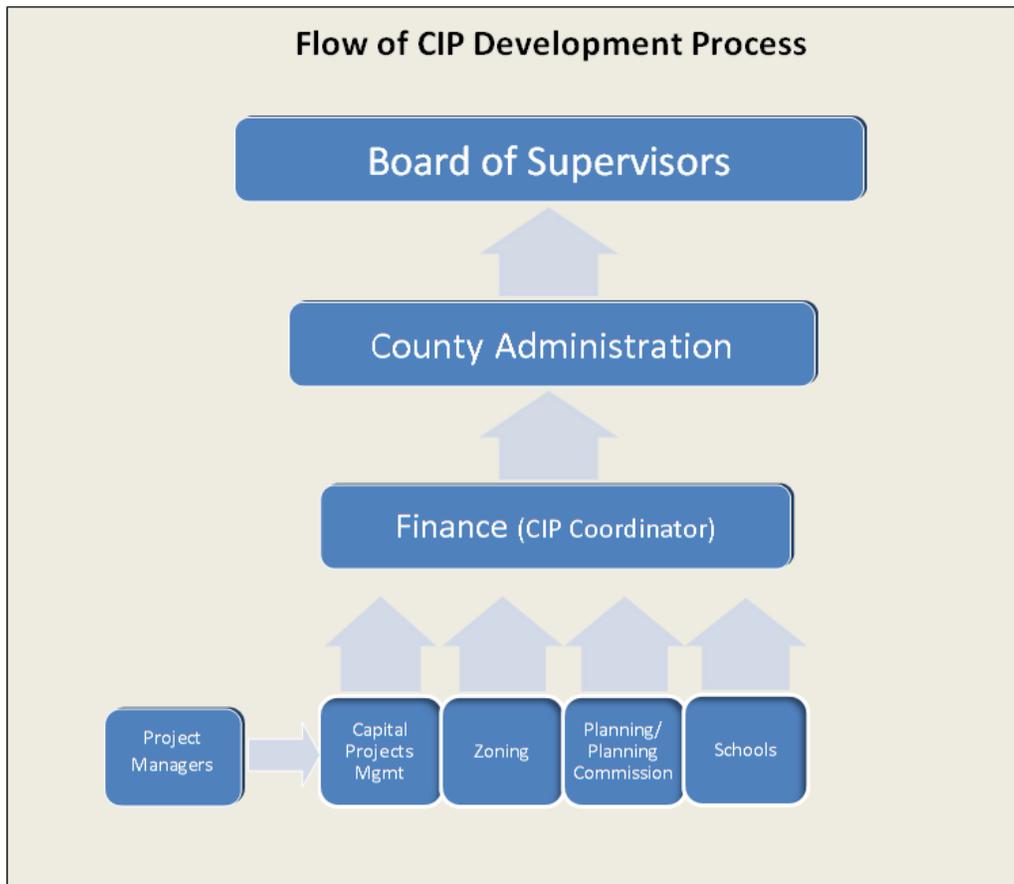
A range of financing methods exists. Some methods commonly used by the County are:

- **Current Revenue Financing** – Current revenue financing is often referred to as “pay as you go” financing. It is a fiscally conservative method of paying for capital improvements out of current taxes, fees, charges or special assessments. The County’s adopted Fiscal Policy Guidelines address this approach by transferring an annual percentage of General Fund Revenues to the Capital Projects Fund. The guidelines establish a goal of 5% annually (with a minimum level of 3%). In an effort to achieve this goal, the Recommended Budget includes a FY 2017 transfer of 3.25% 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.
- **Revenue Bonds** (i.e. lease-purchase) – 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 charge 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 Capital Projects Management 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 that all projects are in compliance with the County’s Comprehensive Plan. The project submission forms are reviewed by several staff members and assigned a prioritization rating. 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, and has typically been presented simultaneously 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 2017 – FY 2021 CIP Development Calendar

July 2015	Project managers submit project requests/revisions to Finance Department
August – September 2015	County Administrator and staff review and prioritize CIP requests
September 2015	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
October 7 & 21, 2015	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
October 13, 2015	Presentation of County Administrator's Recommended FY 2017 – FY 2021 CIP to Board of Supervisors
October 27, 2015	Public hearing on Recommended CIP & CIP work session
November 12, 2015	CIP work session – cancelled
November 24, 2015	Schools submit Schools' CIP to Finance – Schools' CIP presentation was delayed until January 11, 2016, but placeholder numbers were provided to County
November 24, 2015	Board adoption of FY 2017 – FY 2021 CIP
December/January 2015/2016	Ensure debt service and operating costs for FY 2017 projects are included in Recommended Budget

Because changes were necessary to CIP projects during development of the County Administrator's FY 2017 Recommended Budget, a revised recommended CIP is included with the FY 2017 Recommended Budget. The portions of the adopted budget calendar that will inevitably apply to the revised CIP recommendation are included below:

February 9, 2016	Presentation of County Administrator's FY 2017 Recommended Budget and revised CIP to Board of Supervisors
March 8, 2016	Board of Supervisors budget work session
March 31, 2016	Tax Rate and tax rate public hearings
April 5 & 7, 2016	Board of Supervisors budget work sessions
April 12, 2016	Adoption of FY 2017 Budget, tax rates, and revised CIP

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:

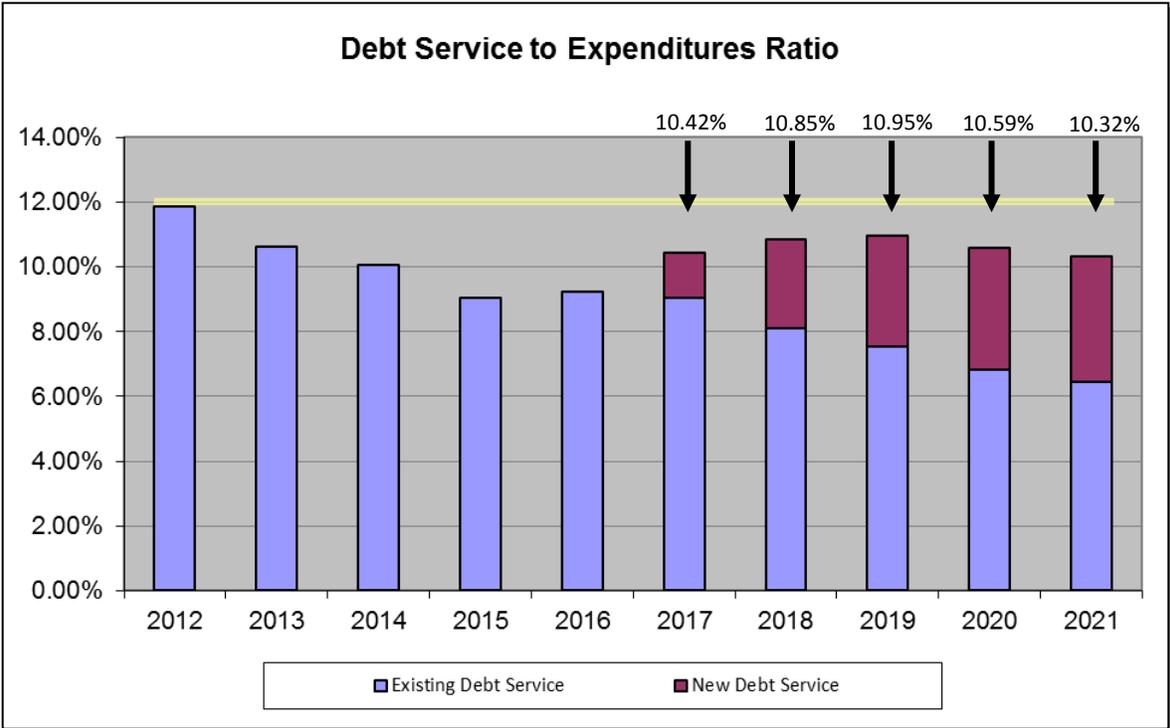
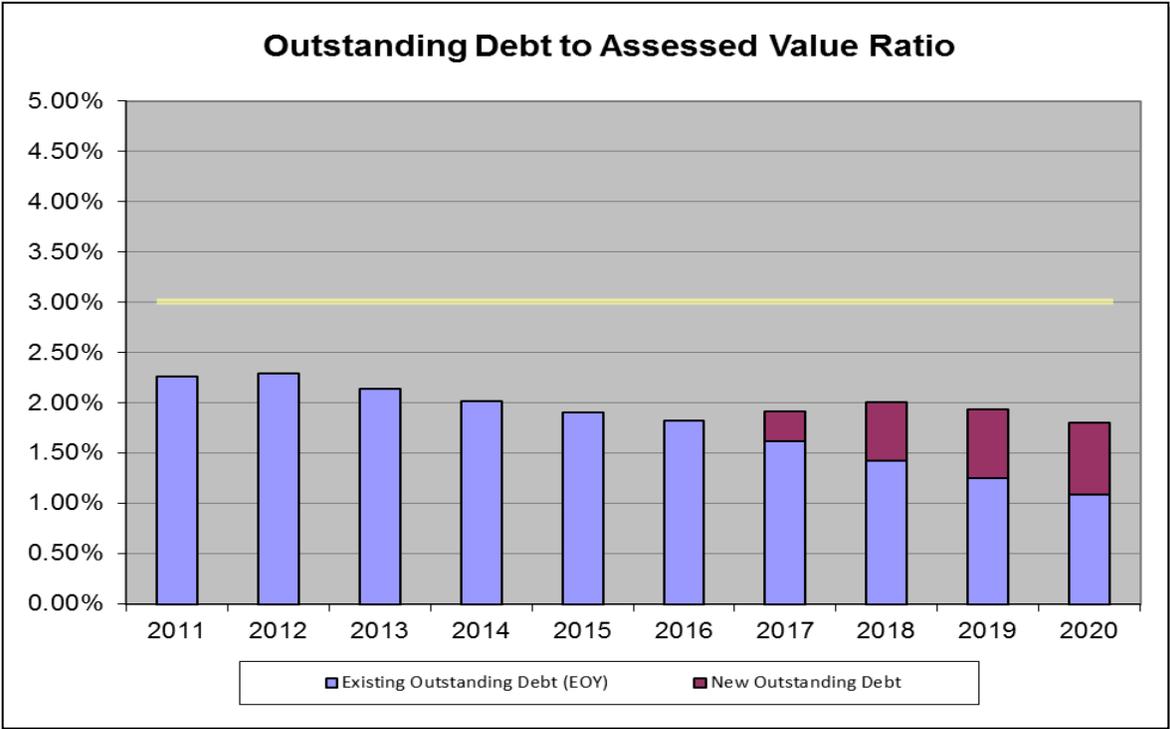
- Net debt as a percentage of estimated market value taxable should not exceed 3%
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 12%. The County will work towards reducing this ratio to not more than 10% by the end of FY 2025.
- The County intends 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:

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, and assume an equalized real estate tax rate each year.
- The interest rate paid on borrowed funds is fixed at 2.0%/2.75%/3.75% for 7/12/20 year bonds for the Summer 2016 issuance and is fixed at 3.0%/3.75%/4.75% for each 7/12/20 year issuance thereafter.

The graphs on the following page indicate that the revised FY 2017 – FY 2021 Recommended CIP is in compliance with the Board’s adopted fiscal policy guidelines. The yellow horizontal lines represent the limit of the fiscal policies for each debt ratio.



The payout ratio is an assessment of the speed at which the County repays its debt. For example, at the beginning of FY 2017, including the financings to be issued in Summer 2016, total general debt outstanding is estimated at \$314.9 million. At the end of FY 2026 – ten fiscal years beyond FY 2017 – the County will have repaid \$238.8 million (75.8%) of the debt outstanding at the beginning of FY 2017.

10-Yr Payout Ratio (must be > 65%)	
FY	Payout Ratio
FY 2017	75.8%
FY 2018	77.2%
FY 2019	78.3%
FY 2020	80.4%
FY 2021	82.6%

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 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 2017, the transfer from the General Fund to the Capital Projects Fund is budgeted at \$8.0 million, or 3.25% of General Fund revenues.

Operating Impact

The table below shows the anticipated budgetary impacts that implementation of projects in the FY 2017 – FY 2021 CIP may have in the near future.

Projects/Type	FY 2018	FY 2019	FY 2020	FY 2021
General Government Projects				
Debt Service	\$1,580,796	\$1,547,901	\$1,515,005	\$1,482,109
Utilities/Maintenance/Insurance/Fuel	265,379	274,406	275,998	277,658
Parks & Recreation Projects				
Utilities/Maintenance/Insurance/Fuel	23,534	45,104	65,242	161,613
Fire & Rescue Projects				
Debt Service	1,008,941	985,514	1,306,592	1,274,365
Utilities/Maintenance/Insurance/Fuel	0	50,288	52,198	54,189
Transportation Projects				
Debt Service	2,531,569	2,752,376	2,868,846	2,797,676
School Projects				
Debt Service	6,046,106	8,886,234	10,196,419	11,166,804
Total				
Debt Service	11,167,412	14,172,025	15,886,862	16,720,954
Utilities/Maintenance/Insurance/Fuel	<u>288,913</u>	<u>369,798</u>	<u>393,438</u>	<u>493,460</u>
Total	\$11,456,325	\$14,541,823	\$16,280,300	\$17,214,414

The table below shows the potential impact that implementation of the FY 2017 – FY 2021 CIP could have on the tax rate. This table reflects all General Government, Transportation and Schools capital projects within the five-year planning period. The analysis assumes the recommended real estate tax rate of \$0.86 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 2017, 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 revised Recommended CIP *beyond what is included in the FY 2017 Budget*.

FY 2017 – FY 2021 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
2017	1,321,306	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2018	1,351,068	2,825,620	0.021	0.021	288,913	0.002	0.002	0.023	0.023
2019	1,384,845	4,069,596	0.029	0.008	369,798	0.003	0.001	0.032	0.009
2020	1,419,466	3,385,899	0.024	-0.006	393,438	0.003	0.000	0.027	-0.005
2021	1,454,952	3,123,556	0.021	-0.002	493,460	0.003	0.001	0.025	-0.002
				\$0.021				\$0.003*	\$0.025*

*Appears 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 2.9 cents on the real property tax rate by FY 2019 to pay the costs of added debt service and operating costs, with the rate then dropping by the equivalent of 0.8 cents by FY 2021 due to the payoff of existing debt service. Over the five year period, 84% of the added costs are associated with debt service while the remaining 16% is associated with on-going operating costs related to the projects. Debt service and annual operating costs related to the CIP have been factored into the five-year financial forecast which begins on page 137. Additionally, estimated annual operating costs including the debt service associated with each project are displayed in the project summary section beginning on page 159.

FY 2017 Capital Projects

The capital projects budgets for FY 2017 total \$49.4 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 the Summer of 2016 to fund certain County and Schools capital projects for FY 2017. 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 2017 Recommended Budget. Upon finalizing the financing of the FY 2017 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 2017 General Fund, Transportation Fund and School Operating Fund budgets.

The following table lists the capital projects, reserves and transfers, and staffing funds that are recommended for FY 2017:

Project	FY 2017 Project Cost	FY 2017 Budget	To Be Financed
General Government Facilities:			
Facility Asset Management Program	\$1,404,593	\$1,404,593	\$0
Major Maintenance/Renov. at Holbert Bldg.	350,000	350,000	0
Animal Shelter Improvements	3,464,099	0	3,464,099
Replacement Vehicles	1,313,709	1,313,709	0
General Government Facilities Total	\$6,532,401	\$3,068,302	\$3,464,099
Information Technology:			
Computer Aided Dispatch System Replacement	\$1,750,000	0	\$1,750,000
Completion of Radio System	1,250,000	6,669	1,243,331
Next Generation 911 (NG911)	200,000	0	200,000
Digital Alerting System (Tone Paging)	1,000,000	0	1,000,000
E-911 Call Handling System Upgrade	250,000	0	250,000
Public Safety Technology Reserve	150,000	0	150,000
E-911 Phone System Equipment Upgrade	250,000	0	250,000
Replacement Computers & Servers	657,000	657,000	0
Replacement of Treasurer's Legacy System	400,000	400,000	0
VoIP Telephony System Enhancements	200,000	200,000	0
Financial System Upgrade	250,000	250,000	0
Information Technology Total	\$6,357,000	\$1,513,669	\$4,843,331
Solid Waste:			
Convenience Center Paving	\$130,000	\$130,000	\$0
Livingston Landfill Development	2,183,000	2,183,000	0
Livingston Landfill Green Waste Composting	300,000	300,000	0
Refuse Disposal Equip Replacement	290,000	290,000	0
Refuse Collection Equip Replacement	603,000	603,000	0
Single Stream Compactor Conversion	59,050	59,050	0
Solid Waste Total	\$3,565,050	\$3,565,050	\$0
Parks & Recreation:			
Marshall Park Upgrades	\$570,000	\$570,000	\$0
Patriot Park Field Lighting	460,000	460,000	0
Parks & Recreation Total	\$1,030,000	\$1,030,000	\$0
Fire/Rescue:			
Fire Training Ctr. – Classrooms & Concrete Apron	\$250,000	\$24,442	\$225,558
Replacement Fire Equipment	2,215,470	65,577	2,149,893
Fire Equipment Reserve	500,000	0	500,000
Replacement EMS Equipment	764,703	0	764,703
CPR Delivery Devices	65,500	65,500	0
Fire/Rescue Total	\$3,795,673	\$155,519	\$3,640,154
Transportation:			
Hickory Ridge/Rt 1 Intersection	\$645,000	\$0	\$645,000
Improvements at Exit 118	1,875,000	0	1,875,000
Improvements at Exit 126 – J Ramp	6,000,000	0	6,000,000
General Engineering Consultant	20,000	20,000	0
Transportation Total	\$8,540,000	\$20,000	\$8,520,000

Project	FY 2017 Project Cost	FY 2017 Budget	To Be Financed
Schools:			
New/Replacement Buses	\$4,304,190	\$0	\$4,304,190
Capital Maintenance	13,512,500	0	13,512,500
Technology Replacements/Upgrades	9,794,334	0	9,794,334
Schools Total	\$27,611,024	\$0	\$27,611,024
Utilities:			
Telemetry/SCADA	\$200,000	\$200,000	\$0
Manhole Rehabilitation Program	50,000	50,000	0
CMMS & Asset Management Upgrade	50,000	50,000	0
System Improvement Opportunities	200,000	200,000	0
Motts Solids Dewatering System	1,500,000	\$625,000	875,000
Southpoint 12" Waterline Replacement	275,000	275,000	0
Ni River Treatment Plant Improvements	4,000,000	0	4,000,000
Future Water Source (Ni River/ Hunting Run)	750,000	0	750,000
Country Club Estates System Improvements	150,000	150,000	0
Rappahannock Raw Water PS Improvements	600,000	600,000	0
Harrison Road/Rt. 1 Waterline Improvements	950,000	156,039	793,961
GPS Mapping	150,000	150,000	0
Collection System Extensions	50,000	50,000	0
Old Greenwich Sewer Replacement	600,000	0	600,000
Fawn Lake Pump Stations 27 & 58	500,000	475,000	25,000
Maple Grove Rehab	215,000	215,000	0
Wastewater Collection Extensions	50,000	50,000	0
PS 24	350,000	350,000	0
Replacement Equipment – Field Services	450,000	450,000	0
Replacement Equipment & Asphalt – Composting	650,000	650,000	0
Utilities Total	\$11,740,000	\$4,696,039	\$7,043,961
Other:			
Capital Projects Management (personnel & op.)	\$157,620	\$157,620	\$0
Transfer to General Fund	282,514	282,514	0
Transfer to Utilities Operating Fund	34,341	34,341	0
Transfer to School Capital Projects	0	0	0
Transfer to Transportation Fund	176,134	176,134	0
Other Total*	\$650,609	\$650,609	\$0
Total FY 2017 Capital Projects Funds	\$69,821,757	\$14,699,188	\$55,122,568
FY 2017 Capital Budget Including Schools' & Utilities Financed Projects**			\$49,354,173

*Items in "Other" category are excluded from the reports on pages 160 – 169.

**The Recommended Budget erroneously includes projects to be financed for Utilities. Correction to be made for Adopted Budget.

Out-year Impacts of Approved Developments

Although specific projects related to growth are not yet shown in the CIP, previously approved residential developments that have not yet been constructed or fully built out are expected to impact future years' budgets. A summary of the Planning Department's January 2016 analysis

of future impacts on school capacity and Fire & Rescue call volumes is shown below. 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. Upon full build-out of the potential new development, staff from Company 1 and Company 4 are projected to respond to an additional 2,184 calls. A new station – Company 11 – currently under construction to relieve some of the call volume at Company 1 and Company 4. Once the approved development is at full build-out and Company 11 is operating, all else being equal, capacity will be available at all stations except Company 1, Company 4 and Company 6. These three stations will exceed the 2,500 calls per station capacity by 116 calls, 3,389 calls, and 1,035 calls, respectively.
- Currently, all but two of the 24 schools that are expected to be impacted by previously approved residential developments have student capacity available. Upon build-out of the developments, 13 of the schools are expected to be over capacity. County-wide, elementary schools will be short by 70 seats; middle schools will be short by 650 seats; and high schools will be short by 932 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	569	0	0	0	325 / 211	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	90	0	0	0	51 / 33	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	0	0	0	132 / 86	Chancellor	Ni River	Riverbend	5
Saw Hill	71	0	0	0	40 / 26	Wilderness	Ni River	Riverbend	5
Pelhams East	43	0	0	0	25 / 16	Lee Hill / Cedar Forest	Thornburg	Massaponax	4
Whitehall	60	0	0	0	34 / 22	Brock Rd.	Ni River	Riverbend	7
Tanglewood Estates	19	0	0	0	10 / 7	Riverview	Thornburg	Massaponax	8
Estates at Kingswood	35	0	0	0	20 / 13	Battlefield	Chancellor	Chancellor	6
Pamunkey Point	21	0	0	0	12 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	586	0	0	227	389 / 258	Parkside	Spotsylvania	Courtland	1, 4, 8
Sunrise Bay	36	0	0	0	21 / 13	Livingston	Post Oaks	Spotsylvania	9
Regency at Chancellorsville	0	0	0	189	0 / 34	n/a	n/a	n/a	5
Glenhaven/ River Glen	43	0	0	0	25 / 16	Chancellor	Chancellor	Riverbend	5

Capital Improvement Plan

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
Reserve at Chancellorsville	122	0	0	0	69 / 45	Chancellor	Chancellor	Riverbend	5
Lafayette Crossing	21	0	0	0	12 / 6	Spotswood	Battlefield	Massaponax	4
Mallard Landing	130	0	0	0	76 / 38	Cedar Forest	Freedom	Massaponax	4
Spring Arbor	61	0	0	0	0 / 11	n/a	n/a	n/a	6
Summerfield	78	41	0	0	68 / 41	Spotswood	Battlefield	Chancellor	4
Station Square / Overlook Apt	0	0	340	0	62 / 62	Riverview	Freedom	Massaponax	4
Keswick	150	90	240	184	182 / 159	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	0	164	773	0	237 / 188	Riverview	Spotsylvania	Massaponax	8
Lakeside	0	83	0	0	48 / 24	Spotswood	Battlefield	Massaponax	4
Brooks	0	4	0	0	3 / 1	Cedar Forest	Freedom	Massaponax	4
Estates at Terry's Run	10	0	0	0	6 / 4	Livingston	Post Oak	Spotsylvania	9
Woods of Catharpin	15	0	0	0	9 / 6	Wilderness	Ni River	Riverbend	2
Spotsylvania Courthouse Vil.	395	205	834	50	497 / 367	R.E. Lee/ Courtland	Spotsylvania	Courtland	1
Crossroads Station	0	0	610	0	112 / 111	Cedar Forest	Freedom	Massaponax	4
New Post	219	104	102	0	200 / 130	Cedar Forest	Freedom	Massaponax	4
Fortune's Landing	49	0	0	0	28 / 18	Wilderness	Ni River	Spotsylvania	1, 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 / 344	Parkside	Spotsylvania	Courtland	1, 8
Ni River Community Church	89	0	0	0	51 / 33	Courtland	Spotsylvania	Courtland	1
Southpoint Landing	0	0	830	0	152 / 151	Parkside	Thornburg	Massaponax	4
Benchmark	0	98	0	0	57 / 29	Lee Hill	Thornburg	Massaponax	4
Legends of Chancellorsville	218	0	0	0	124 / 81	Brock Rd./ Chancellor	Ni River	Riverbend	5, 7

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
Wheatland	0	98	0	0	57 / 29	Lee Hill	Thornburg	Massaponax	4
Thorburn Estates	59	0	0	0	34 / 22	Wilderness	Freedom	Riverbend	10
Jackson Village	0	695	119 0	385	621 / 490	Lee Hill	Thornburg	Massaponax	4, 8
Retreat at C'ville	0	0	0	192	0 / 35	n/a	n/a	n/a	2
Alexander's Crossing	518	971	888	230	1023 / 680	Riverview	Thornburg	Massaponax	4/8
Avalon Woods	98	0	0	0	56 / 36	Salem	Chancellor	Chancellor	6
Total	15,317				5,456 / 3,958				

SFD = Single Family Detached SFA = Single Family Attached MF = Multi-Family (apartments) AR = Age Restricted Units
 *Units Approved but Unbuilt figures updated through October 2015, all other figures updated through January 2016.

Approved Development Impacts:

School	Capacity	2015 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	645	9	654	179
Brock Road	907	693	190	883	24
Cedar Forest	936	727	201	928	8
Chancellor	455	418	153	571	-116
Courtland	789	563	145	708	81
Lee Hill	807	648	390	1,038	-231
Livingston	504	433	17	450	54
Parkside	936	765	505	1270	-334
Riverview	907	696	701	1397	-490
Robert E. Lee	585	519	210	730	-145
Salem	815	666	25	691	124
Spotswood	641	528	65	592	49
Wilderness	936	736	50	786	150
Subtotal	10,051	8,037	2,661	10,698	-647
Countywide Elementary	13,233	10,642	2,661	13,303	-70

Approved Development Impacts (continued):

School	Capacity	2015 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Middle					
Battlefield	807	817	29	846	-39
Chancellor	857	825	40	865	-8
Freedom	948	824	105	929	19
Ni River	774	745	169	914	-140
Post Oak	948	747	11	758	190
Spotsylvania	907	800	424	1,224	-317
Thornburg	790	708	437	1,145	-355
Subtotal	6,031	5,466	1,215	6,681	-650
Countywide Middle	6,031	5,466	1,215	6,681	-650
High					
Chancellor	1,427	1,304	44	1,348	79
Courtland	1,265	1,173	448	1,621	-356
Massaponax	1,830	1,964	740	2,704	-874
Riverbend	1,995	1,933	270	2,203	-208
Spotsylvania	1,611	1,163	78	1,241	370
Subtotal	8,128	7,537	1,580	9,117	-989
Countywide High	8,218	7,570	1,580	9,150	-932

Station	Capacity	2015 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1	2,500	1,790	826	2,616	-116
2	2,500	671	41	712	1,788
4	2,500	4,531	1,358	5,889	-3,389
5	2,500	1,466	314	1,780	720
6	2,500	3,475	60	3,535	-1,035
7	2,500	653	274	927	1,573
8	2,500	1,141	1,038	2,179	321
9	2,500	425	25	450	2,050
10	2,500	1,058	22	1,080	1,420
Subtotal	22,500	15,210	3,958	19,168	3,332
Countywide F&R*	27,500	15,738	3,958	19,696	7,804

*Countywide total includes the 2,500 call capacity for F&R 11, anticipated opening March 2016

The analysis shows that should these projections become reality there will be a shortage of capacity countywide at the elementary, 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.

Capital Projects Staffing

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

Department/Position	FY 2015	FY 2016	FY 2017
Capital Projects Management			
Administrative Assistant	1	2	0
Capital Projects Engineer	1	0	0
Facilities Project Manager	1	1	1
TOTAL FTEs	3	3	1
TOTAL FTEs Capital Projects	3	3	1

FY 2017 – FY 2021 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2017 – FY 2021 CIP. The spreadsheets on pages 160 – 169 show the anticipated funding by fiscal year for each project. Funding sources are identified on pages 160 – 169 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
FRED	Fredericksburg share of certain Utilities projects
IE	Interest earnings
L	Lease-purchase financing
P	Proffer
U	Transfer from Utilities Fund

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2017 - FY 2021 CIP may be found beginning on page 171.

Spotsylvania County, Virginia
FY 2017 - FY 2021 Capital Improvement Plan
Project Summary By Fund

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2017 - FY 2021 Total
General Government Projects:						
General Government and Judicial Facilities	12,889,401	10,154,429	3,431,990	3,033,117	4,445,392	33,954,329
Solid Waste	3,565,050	1,169,000	833,000	3,364,000	1,347,600	10,278,650
Parks and Recreation	1,030,000	981,322	1,057,700	3,597,500	367,100	7,033,622
Fire and Rescue Services	3,795,673	4,825,252	3,000,972	2,596,968	3,768,901	17,987,766
General Government Total	21,280,124	17,130,003	8,323,662	12,591,585	9,928,993	69,254,367

Transportation Total	8,540,000	18,502,500	2,898,750	2,898,750	20,000	32,860,000
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Schools Total	27,611,024	24,818,256	26,683,129	12,720,486	11,250,466	103,083,361
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Utility Projects:						
General Utility Projects	500,000	4,475,000	500,000	50,000	50,000	5,575,000
Water Projects	8,375,000	18,415,000	24,400,000	8,450,000	350,000	59,990,000
Sewer Projects	2,865,000	5,395,000	4,370,000	2,025,000	860,000	15,515,000
Utilities Total	11,740,000	28,285,000	29,270,000	10,525,000	1,260,000	81,080,000

CIP Total, All Funds	69,171,148	88,735,759	67,175,541	38,735,821	22,459,459	286,277,728
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2021**

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Gen. Gov't Facilities & Equip									
Judicial Center Renovation	9,606,006	C	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300,000
Facility Asset Management Program	on-going	C, U	\$1,404,593	\$2,470,333	\$631,990	\$1,333,117	\$2,396,592	\$8,236,625	\$0
Major Maintenance/Renov. at Marshall Center	-	C	\$0	\$0	\$0	\$0	\$348,800	\$348,800	\$9,363,640
Major Maintenance/Renov. at Holbert Building	-	C, L	\$350,000	\$3,534,096	\$0	\$0	\$0	\$3,884,096	\$0
Animal Shelter	325,901	B-PS	\$3,464,099	\$0	\$0	\$0	\$0	\$3,464,099	\$0
Replacement Vehicles	on-going	C	\$1,313,709	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,113,709	\$0
Subtotal - Gen. Gov't Facilities & Equip	9,931,907		\$6,532,401	\$7,204,429	\$1,831,990	\$2,533,117	\$3,945,392	\$15,933,620	\$0

Information Technology

Public Safety System Improvements:

Computer Aided Dispatch System Replacement	1,350,000	B-PS	\$1,750,000	\$2,100,000	\$0	\$0	\$0	\$3,850,000	\$0
Completion of Radio System	19,926,663	B-PS, IE	\$1,250,000	\$0	\$0	\$0	\$0	\$1,250,000	\$0
Replacement of Chancellor Tower		C	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0
Citizen Alert/Notification System Replacement	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Next Generation 911 (NG911)	-	B-PS	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Digital Alerting System (Tone Paging)	-	B-PS	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$0
E-911 Call Handling System Upgrade	-	B-PS	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
Public Safety Technology Reserve		B-PS	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
E-911 Phone System Equipment Upgrade	-	B-PS	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0

Other System Improvements:

Parks and Recreation System Upgrade	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Replacement Computers and Servers	on-going	C	\$657,000	\$550,000	\$500,000	\$500,000	\$500,000	\$2,707,000	\$0
Replacement of Treasurer's Legacy System	1,484,364	C	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0
VoIP Telephony System Enhancements	-	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Financial System Upgrade	718,300	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
State Income Tax Program Replacement	-	C	\$0	\$0	\$100,000	\$0	\$0	\$100,000	\$0
Subtotal - Information Technology	23,479,327		\$6,557,000	\$2,950,000	\$1,600,000	\$500,000	\$500,000	\$11,907,000	\$0

TOTAL GENERAL GOV'T EXPENDITURES	33,411,234		\$12,889,401	\$10,154,429	\$3,431,990	\$3,033,117	\$4,445,392	\$33,954,329	\$0
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2021**

GENERAL GOV'T REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$4,364,469	\$5,975,704	\$3,298,851	\$2,814,148	\$3,811,444	\$20,264,616	\$0
Interest Earnings		IE	\$6,669	\$0	\$0	\$0	\$0	\$6,669	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$8,307,430	\$2,100,000	\$0	\$0	\$0	\$10,407,430	\$0
Lease-Purchase		L	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000	\$0
Transfer from Utilities Fund		U	\$210,833	\$578,725	\$133,139	\$218,969	\$633,948	\$1,775,614	\$0
TOTAL GENERAL GOV'T REVENUES			\$12,889,401	\$10,154,429	\$3,431,990	\$3,033,117	\$4,445,392	\$33,954,329	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2021**

SOLID WASTE EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
<i>SOLID WASTE - Construction/Closing of Landfill Cells & Facilities</i>									
Active Gas Collection System - Cells 3 & 4	-	C	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$0
Convenience Center Paving	on-going	C	\$130,000	\$45,000	\$45,000	\$45,000	\$45,000	\$310,000	\$0
Livingston Landfill Development (MANDATE)	79,200	C	\$2,183,000	\$309,000	\$143,000	\$2,169,000	\$402,600	\$5,206,600	\$8,978,000
Livingston Landfill Green Waste Composting	330,495	C	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$0
Subtotal - Construction/Closing Cells & Facilities	409,695		\$2,613,000	\$554,000	\$188,000	\$2,214,000	\$447,600	\$6,016,600	\$8,978,000

SOLID WASTE - Equipment Replacement

Refuse Disposal Equip Replacement	on-going	C	\$290,000	\$210,000	\$280,000	\$480,000	\$500,000	\$1,760,000	on-going
Refuse Collection Equip Replacement	on-going	C	\$603,000	\$405,000	\$365,000	\$670,000	\$400,000	\$2,443,000	on-going
Single Stream Compactor Conversion	-	C	\$59,050	\$0	\$0	\$0	\$0	\$59,050	\$0
Subtotal - Solid Waste Equipment Replacement	-		\$952,050	\$615,000	\$645,000	\$1,150,000	\$900,000	\$4,262,050	\$0
TOTAL SOLID WASTE EXPENDITURES	409,695		\$3,565,050	\$1,169,000	\$833,000	\$3,364,000	\$1,347,600	\$10,278,650	\$8,978,000

SOLID WASTE REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$3,565,050	\$1,169,000	\$833,000	\$3,364,000	\$1,347,600	\$10,278,650	on-going
Lease-Purchase		L	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL SOLID WASTE REVENUES			\$3,565,050	\$1,169,000	\$833,000	\$3,364,000	\$1,347,600	\$10,278,650	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2017 - FY 2021

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
<i>PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities</i>									
Hunting Run Park, Phase II	75,408	C	\$0	\$797,572	\$0	\$0	\$0	\$797,572	\$0
Belmont Passive Park	52,987	C	\$0	\$0	\$403,700	\$0	\$0	\$403,700	\$0
Livingston Community Center	-	C	\$0	\$0	\$0	\$577,500	\$0	\$577,500	\$0
Marshall Center Auditorium Upgrades	567,248	C, D	\$0	\$0	\$304,000	\$0	\$0	\$304,000	\$0
Marshall Park Upgrades	1,531	C	\$570,000	\$0	\$0	\$0	\$0	\$570,000	\$0
Ni River Park	3,061	C, P	\$0	\$0	\$350,000	\$3,020,000	\$0	\$3,370,000	\$0
Regrading & Fence Replacement at Parks	-	C	\$0	\$0	\$0	\$0	\$367,100	\$367,100	\$0
Patriot Park Field Lighting	487,236	C, CR	\$460,000	\$0	\$0	\$0	\$0	\$460,000	\$0
Patriot Park Playground	-		\$0	\$183,750	\$0	\$0	\$0	\$183,750	\$0
TOTAL PARKS & REC EXPENDITURES	1,187,471		\$1,030,000	\$981,322	\$1,057,700	\$3,597,500	\$367,100	\$7,033,622	\$0

PARKS & RECREATION REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$830,000	\$981,322	\$1,037,400	\$3,597,500	\$367,100	\$6,813,322	\$0
Concession Receipts		CR	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Donations		D	\$0	\$0	\$5,300	\$0	\$0	\$5,300	\$0
Proffers		P	\$0	\$0	\$15,000	\$0	\$0	\$15,000	\$0
TOTAL PARKS & REC REVENUES			\$1,030,000	\$981,322	\$1,057,700	\$3,597,500	\$367,100	\$7,033,622	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2021**

FIRE & RESCUE SERVICES EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
<i>FIRE/RESCUE SERVICES - Construction Projects</i>									
Fire Training Center - Classrooms and Concrete Apron	-	p, B-PS	\$250,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000	\$0
Site Acquisition & Design of Co. 12	-	C	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0
Subtotal Fire/Rescue construction	-		\$250,000	\$1,000,000	\$0	\$0	\$1,000,000	\$2,250,000	\$0

FIRE/RESCUE SERVICES - Equipment

Replacement Fire Equipment	on-going	B-PS, C, IE, P	\$2,215,470	\$3,224,460	\$2,360,314	\$2,006,808	\$1,839,399	\$11,646,451	\$0
Fire Equipment Reserve	-	B-PS	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0
Replacement EMS Equipment	on-going	B-PS, C	\$764,703	\$535,292	\$562,058	\$590,160	\$929,502	\$3,381,715	\$0
CPR Delivery Devices	65,500	C	\$65,500	\$65,500	\$78,600	\$0	\$0	\$209,600	\$0
Subtotal Fire/Rescue equipment	1,065,500		\$3,545,673	\$3,825,252	\$3,000,972	\$2,596,968	\$2,768,901	\$15,737,766	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	1,065,500		\$3,795,673	\$4,825,252	\$3,000,972	\$2,596,968	\$3,768,901	\$17,987,766	\$0

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$65,500	\$65,500	\$3,000,972	\$0	\$3,768,901	\$6,900,873	\$0
Interest Earnings		IE	\$12,688	\$0	\$0	\$0	\$0	\$12,688	\$0
Proffers		P	\$77,331	\$0	\$0	\$0	\$0	\$77,331	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$3,640,154	\$4,759,752	\$0	\$2,596,968	\$0	\$10,996,874	\$0
TOTAL FIRE/RESCUE SVCS REVENUES			\$3,795,673	\$4,825,252	\$3,000,972	\$2,596,968	\$3,768,901	\$17,987,766	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2017 - FY 2021

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
TRANSPORTATION									
Hickory Ridge/Rt 1 Intersection	800,000	B-T	\$645,000	\$0	\$0	\$0	\$0	\$645,000	\$0
Improvements at Exit 118	5,700,050	B-T	\$1,875,000	\$5,225,000	\$0	\$0	\$0	\$7,100,000	\$0
Improvements at Exit 126 - J-Ramp	1,500,000	B-T	\$6,000,000	\$7,500,000	\$0	\$0	\$0	\$13,500,000	\$0
Implementation of Findings from Corridor Study - Rt 1 & Rt 208	-	B-T	\$0	\$5,757,500	\$0	\$0	\$0	\$5,757,500	\$0
Implementation of Findings from Corridor Study - Rt 2 & Rt 17	-	B-T, C	\$0	\$0	\$2,878,750	\$2,878,750	\$0	\$5,757,500	\$0
General Engineering Consultant	on-going	C	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000	\$0
TOTAL TRANSPORTATION EXPENDITURES	8,000,050		\$8,540,000	\$18,502,500	\$2,898,750	\$2,898,750	\$20,000	\$32,860,000	\$0

TRANSPORTATION REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$20,000	\$20,000	\$20,000	\$1,020,000	\$20,000	\$1,100,000	\$0
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov 2014 Bond Referendum		B-T	\$8,520,000	\$18,482,500	\$2,878,750	\$1,878,750	\$0	\$31,760,000	\$0
TOTAL TRANSPORTATION REVENUES			\$8,540,000	\$18,502,500	\$2,898,750	\$2,898,750	\$20,000	\$32,860,000	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2017 - FY 2021

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Courtland High School	-								\$0
Subtotal - School Construction	-		\$0	\$0	\$0	\$0	\$0	\$0	\$0
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going		\$4,304,190	\$4,147,180	\$4,225,545	\$3,721,306	\$3,585,659	\$19,983,880	\$0
Capital Maintenance	on-going		\$13,512,500	\$16,182,136	\$18,825,000	\$6,472,500	\$4,907,500	\$59,899,636	\$0
Technology Replacements/Upgrades	on-going		\$9,794,334	\$4,488,940	\$3,632,584	\$2,526,680	\$2,757,307	\$23,199,845	\$0
Subtotal - School Non-Construction	-		\$27,611,024	\$24,818,256	\$26,683,129	\$12,720,486	\$11,250,466	\$103,083,361	\$0
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	-		\$27,611,024	\$24,818,256	\$26,683,129	\$12,720,486	\$11,250,466	\$103,083,361	\$0

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash from General Fund		C	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0
Nov 2006/2014 School Bond Referenda		B-S	\$27,611,024	\$24,818,256	\$26,683,129	\$12,720,486	\$10,250,466	\$102,083,361	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			\$27,611,024	\$24,818,256	\$26,683,129	\$12,720,486	\$11,250,466	\$103,083,361	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2017 - FY 2021**

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
General Utilities Projects									
Utility Lab/Office Expansion	1,250,000	B	\$0	\$4,225,000	\$0	\$0	\$0	\$4,225,000	\$0
Telemetry/SCADA	826,708	C	\$200,000	\$200,000	\$200,000	\$0	\$0	\$600,000	\$0
Manhole Rehabilitation Program	on-going	C	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$0
CMMS & Asset Management Upgrade	197,106	C	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$0
System Improvement Opportunities with Developers	2,243,962	C	\$200,000	\$0	\$250,000	\$0	\$0	\$450,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	4,517,776		\$500,000	\$4,475,000	\$500,000	\$50,000	\$50,000	\$5,575,000	\$0

Water Projects

Motts Solids Dewatering System	-	B, C, FRED	\$1,500,000	\$1,500,000	\$0	\$0	\$0	\$3,000,000	\$0
Southpoint 12" Waterline Replacement	-	C	\$275,000	\$0	\$0	\$0	\$0	\$275,000	\$0
Ni River Water Treatment Plant Improvements	14,900,037	B, C	\$4,000,000	\$6,740,000	\$10,000,000	\$0	\$0	\$20,740,000	\$0
Thornburg Water Transmission Facilities Improvements	2,860,491	B, C	\$0	\$1,375,000	\$2,600,000	\$600,000	\$0	\$4,575,000	\$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	1,050,000	B, C	\$750,000	\$5,000,000	\$10,000,000	\$5,000,000	\$0	\$20,750,000	\$0
Country Club Estates System Improvements	-	C	\$150,000	\$0	\$350,000	\$0	\$0	\$500,000	\$0
16" Waterline - Andora Dr. to Sawhill	75,000	B	\$0	\$0	\$500,000	\$2,500,000	\$0	\$3,000,000	\$0
Water Meter Replacement Program	on-going	C	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$800,000	\$0
Brock Road 16" Waterline Extension	185,000	C	\$0	\$350,000	\$350,000	\$0	\$0	\$700,000	\$0
Rappahannock Raw Water PS Improvements	-	B, C, FRED	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000	\$0
Salem Church to Leavells 16" Waterline	50,000	C	\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0
Old Greenwich 2" Line Upgrade	-	C	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
Rt 606 East of I-95 Improvements	-	B	\$0	\$250,000	\$250,000	\$0	\$0	\$500,000	\$0
Harrison Road/Rt 1 Waterline Improvements	-	B, C	\$950,000	\$0	\$0	\$0	\$0	\$950,000	\$0
Spotswood 2" Line Upgrade	-	B	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
12" AC Line Replacements	-	B	\$0	\$700,000	\$0	\$0	\$0	\$700,000	\$0
GPS Mapping	280,000	C	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$0
Waverly Village 2" Line Upgrade	-	B	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
SUBTOTAL WATER PROJECTS	19,400,528		8,375,000	18,415,000	24,400,000	8,450,000	350,000	\$59,990,000	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

Sewer Projects

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Phase II - I-95 to Woodland Drive	203,603	B, C	\$0	\$400,000	\$400,000	\$400,000	\$0	\$1,200,000	\$0
Collection System Extensions	on-going	B, C	\$50,000	\$100,000	\$100,000	\$50,000	\$50,000	\$350,000	\$0
Elimination of Pump Stations 3 & 6	70,000	B	\$0	\$350,000	\$0	\$0	\$0	\$350,000	\$0
Old Greenwich Sewer Replacement	1,385,957	B, C	\$600,000	\$600,000	\$600,000	\$0	\$0	\$1,800,000	\$0
Fawn Lake Pump Stations 27 & 58	500,000	B, C	\$500,000	\$1,000,000	\$0	\$0	\$0	\$1,500,000	\$0
Maple Grove Rehab	710,797	C	\$215,000	\$0	\$0	\$0	\$0	\$215,000	\$0
Wastewater Collection Extensions to Existing Developments	on-going	B, C	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	\$0
Thornburg Wastewater Transmission Improvements	1,599,586	B	\$0	\$1,900,000	\$1,900,000	\$0	\$0	\$3,800,000	\$0
Piedmont Drive - PS 43 & 16 Abandonment	50,000	C	\$0	\$0	\$250,000	\$0	\$0	\$250,000	\$0
PS 24	450,000	B, C	\$350,000	\$400,000	\$950,000	\$800,000	\$0	\$2,500,000	\$0
Lafayette Crossing PS Abandonment	-	C	\$0	\$0	\$0	\$300,000	\$100,000	\$400,000	\$0
Replacement Equipment - Field Services	on-going	B, C	\$450,000	\$95,000	\$120,000	\$425,000	\$110,000	\$1,200,000	\$0
Replacement Equipment & Asphalt - Composting	on-going	B, C, FRED	\$650,000	\$500,000	\$0	\$0	\$550,000	\$1,700,000	\$0
SUBTOTAL SEWER PROJECTS	4,969,943		\$2,865,000	\$5,395,000	\$4,370,000	\$2,025,000	\$860,000	\$15,515,000	\$0

TOTAL UTILITIES EXPENDITURES	28,888,247		11,740,000	28,285,000	29,270,000	10,525,000	1,260,000	\$81,080,000	0
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UTILITIES REVENUES

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$3,750,000	\$2,000,000	\$2,000,000	\$3,000,000	\$1,199,891	\$11,949,891	\$0
Fredericksburg Share of Certain Projects		FRED	\$946,039	\$929,645	\$0	\$0	\$60,110	\$1,935,793	\$0
Revenue Bonds		B	\$7,043,962	\$25,355,355	\$27,270,000	\$7,525,000	\$0	\$67,194,317	\$0
TOTAL UTILITIES REVENUES			\$11,740,000	\$28,285,000	\$29,270,000	\$10,525,000	\$1,260,000	\$81,080,000	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2017 - FY 2021

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
TOTAL FY 2016 - FY 2020 CIP			\$69,171,148	\$88,735,759	\$67,175,541	\$38,735,821	\$22,459,459	\$286,277,728	\$8,978,000

CIP REVENUE SUMMARY

	Total Budget through FY 2016	Funding Source	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total FY 17 - FY 21	Costs beyond FY 2021
Cash		C	\$12,595,019	\$10,211,526	\$10,190,223	\$13,795,648	\$11,514,936	\$58,307,352	\$0
Interest Earnings		IE	\$19,357	\$0	\$0	\$0	\$0	\$19,357	\$0
Fredericksburg Share of Certain Projects		FRED	\$946,039	\$929,645	\$0	\$0	\$60,110	\$1,935,793	\$0
Concession Receipts		CR	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Donations		D	\$0	\$0	\$5,300	\$0	\$0	\$5,300	\$0
Proffers		P	\$77,331	\$0	\$15,000	\$0	\$0	\$92,331	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$11,947,584	\$6,859,752	\$0	\$2,596,968	\$0	\$21,404,304	\$0
Nov 2006/2014 Bond Referenda - Schools		B-S	\$27,611,024	\$24,818,256	\$26,683,129	\$12,720,486	\$10,250,466	\$102,083,361	\$0
Nov 2014 Bond Referendum - Transportation		B-T	\$8,520,000	\$18,482,500	\$2,878,750	\$1,878,750	\$0	\$31,760,000	\$0
Lease-Purchase		L	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000	\$0
Revenue Bonds - Utilities		B	\$7,043,962	\$25,355,355	\$27,270,000	\$7,525,000	\$0	\$67,194,317	\$0
Transfer from Utilities Fund		U	\$210,833	\$578,725	\$133,139	\$218,969	\$633,948	\$1,775,614	\$0

TOTAL FY 2017 - FY 2021 CIP			\$69,171,148	\$88,735,759	\$67,175,541	\$38,735,821	\$22,459,459	\$286,277,728	\$0
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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:

Capital Projects Management/Public Works

PROJECT NAME:

Judicial Center Renovation

PROJECT CONTACT/PHONE #:

Ed Petrovitch, 540-507-7300

PROJECT LOCATION:

Existing Judicial Center at Spotsylvania Courthouse.
(Photo credit: Google Earth)



PROJECT DESCRIPTION:

Renovation of the existing Judicial Center to include projected space needs for Courts Security, the Commonwealth's Attorney Office, the Juvenile and Domestic Relations Court (JDRC), and the General District Court (GDC) operations through 2032.

PROJECT OBJECTIVE:

As population and office workloads are expected to continue to grow over the next 20 years, renovations are necessary to the existing Judicial Center to reconfigure space and make use of the space vacated by the Circuit Court. Space within the existing Judicial Center buildings as well as a small, 2,000 sq. ft. addition to the existing Commonwealth's Attorney Office space is expected to accommodate JDRC, GDC, Courts Security and the Commonwealth's Attorney Office space needs through 2032.

TOTAL CAPITAL PROJECT COST:

\$10,906,006

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$9,606,006

COSTS PROJECTED BEYOND CIP PERIOD:

\$1,300,000

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bonds	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$0	\$0	\$0

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

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

DEPARTMENT: Capital Projects Management/Public Works
PROJECT NAME: Facilities Asset Management
PROJECT CONTACT/PHONE #: Jesse Beavon, 507-7702
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 maintenance or operational maintenance program. Under the program, facilities are reassessed every 2 years to capture deferred maintenance issues in an effort to maintain the facilities at a Facilities Condition Index (FCI) of 0.05. Maintaining facilities at a FCI of 0.05 precludes facilities from being in a state of depreciation.

TOTAL CAPITAL PROJECT COST: \$8,236,625

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
			on-going

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

Projected Project Revenues & Expenditures					
FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$1,193,760	\$1,891,608	\$498,851	\$1,114,148	\$1,762,644	\$6,461,011
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Transfer from Utilities)	\$210,833	\$578,725	\$133,139	\$218,969	\$633,948	\$1,775,614
Total Projected/Requested Funding	\$1,404,593	\$2,470,333	\$631,990	\$1,333,117	\$2,396,592	\$8,236,625

Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$1,404,593	\$2,470,333	\$631,990	\$1,333,117	\$2,396,592	\$8,236,625
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,404,593	\$2,470,333	\$631,990	\$1,333,117	\$2,396,592	\$8,236,625

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

DEPARTMENT:

Capital Projects Management/Public Works

PROJECT NAME:

Major Maintenance/Renovations at Marshall Center

PROJECT CONTACT/PHONE #:

Ed Petrovitch, 540-507-7300

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$348,800	\$348,800
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Transfer from Utilities)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$0	\$348,800	\$348,800
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$348,800	\$348,800
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$0	\$348,800	\$348,800

Estimated Add'l Operational Costs

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

DEPARTMENT:

Capital Projects Management/Public Works

PROJECT NAME:

Major Maintenance/Renovations at Holbert Building

PROJECT CONTACT/PHONE #:

Ed Petrovitch, 540-507-7300

PROJECT LOCATION:

Marshall Center - 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.

TOTAL CAPITAL PROJECT COST:

\$3,884,096

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017	County owns building	FY 2018

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$350,000	\$2,034,096	\$0	\$0	\$0	\$2,384,096
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$350,000	\$3,534,096	\$0	\$0	\$0	\$3,884,096
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$350,000	\$0	\$0	\$0	\$0	\$350,000
Construction	\$0	\$3,534,096	\$0	\$0	\$0	\$3,534,096
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$350,000	\$3,534,096	\$0	\$0	\$0	\$3,884,096

Estimated Add'l Operational Costs

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

DEPARTMENT:	Capital Projects Management/Public Works					
PROJECT NAME:	Construction of a New or Renovated Animal Shelter					
PROJECT CONTACT/PHONE #:	Ed Petrovitch, 540-507-7300					
PROJECT LOCATION:	Animal Shelter at 450 TV Drive, Fredericksburg, VA 22408					
PROJECT DESCRIPTION:	Construction of a new or renovated animal shelter					
PROJECT OBJECTIVE:	Expansion of the animal shelter to house for adoption more animals and reduce the number of animals being euthanized.					
TOTAL CAPITAL PROJECT COST:	\$3,790,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2015 - FY 2016		FY 2017, if applicable		FY 2017	
PRIOR YEAR BUDGETS:	\$325,901					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$3,464,099	\$0	\$0	\$0	\$0	\$3,464,099
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$3,464,099	\$0	\$0	\$0	\$0	\$3,464,099
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$3,464,099	\$0	\$0	\$0	\$0	\$3,464,099
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$3,464,099	\$0	\$0	\$0	\$0	\$3,464,099
Estimated Add'l Operational Costs						
- Debt service	\$303,109	\$296,613	\$290,118	\$283,623	\$277,128	\$1,450,591
- Utilities, insurance, maintenance	\$0	\$40,379	\$41,906	\$43,498	\$45,158	\$170,941
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$303,109	\$336,992	\$332,024	\$327,121	\$322,286	\$1,621,532

DEPARTMENT:	Capital Projects Management/Public Works					
PROJECT NAME:	Replacement Vehicles					
PROJECT CONTACT/PHONE #:	Various					
PROJECT LOCATION:	N/A					
PROJECT DESCRIPTION:	Replacement cycle for County vehicles					
PROJECT OBJECTIVE:	This project funds the replacement cycle for County vehicles.					
TOTAL CAPITAL PROJECT COST:	\$6,113,709					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation			
	N/A	N/A	ongoing			
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$1,313,709	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,113,709
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$1,313,709	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,113,709
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$1,313,709	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,113,709
Total Projected Capital Expenditures	\$1,313,709	\$1,200,000	\$1,200,000	\$1,200,000	\$1,200,000	\$6,113,709
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT: Information Services
PROJECT NAME: Public Safety Computer Aided Dispatch System Replacement
PROJECT CONTACT/PHONE #: Jane Reeve, 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.

TOTAL CAPITAL PROJECT COST: \$5,200,000

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

PRIOR YEAR BUDGETS: \$1,350,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,750,000	\$2,100,000	\$0	\$0	\$0	\$3,850,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$1,750,000	\$2,100,000	\$0	\$0	\$0	\$3,850,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$1,750,000	\$2,100,000	\$0	\$0	\$0	\$3,850,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,750,000	\$2,100,000	\$0	\$0	\$0	\$3,850,000

Estimated Add'l Operational Costs

- Debt service	\$285,000	\$643,000	\$629,000	\$615,000	\$601,000	\$2,773,000
- Utilities, insurance, maintenance	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$385,000	\$743,000	\$729,000	\$715,000	\$701,000	\$3,273,000

DEPARTMENT: Information Services
PROJECT NAME: Completion of Radio System
PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: To complete construction/expansion of the last two towers of the radio project.

PROJECT OBJECTIVE: As the County moves forward with the P25 Public Safety radio project, additional funding is required to fund structural enhancements, and for tower construction, for the two remaining tower sites required for the successful implementation of the P25 radio system.

TOTAL CAPITAL PROJECT COST: \$1,250,000

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,243,331	\$0	\$0	\$0	\$0	\$1,243,331
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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)	\$6,669	\$0	\$0	\$0	\$0	\$6,669
Total Projected/Requested Funding	\$1,250,000	\$0	\$0	\$0	\$0	\$1,250,000

Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Construction	\$1,100,000	\$0	\$0	\$0	\$0	\$1,100,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,250,000	\$0	\$0	\$0	\$0	\$1,250,000

Estimated Add'l Operational Costs						
- Debt service	\$202,485	\$198,933	\$195,381	\$191,828	\$188,276	\$976,903
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$202,485	\$198,933	\$195,381	\$191,828	\$188,276	\$976,903

DEPARTMENT:	Information Services					
PROJECT NAME:	Chancellor Tower Replacement					
PROJECT CONTACT/PHONE #:	Jane Reeve, 507-7552					
PROJECT LOCATION:	N/A					
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. Average yearly revenue is approximately \$210K.					
TOTAL CAPITAL PROJECT COST:	\$1,000,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2016		N/A		FY 2019	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$1,000,000	\$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	\$0	\$1,000,000	\$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	\$0	\$1,000,000	\$0	\$0	\$1,000,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0	\$0

DEPARTMENT:	Information Services					
PROJECT NAME:	Citizen Alert / Notification System Replacement					
PROJECT CONTACT/PHONE #:	Jane Reeve, 507-7552					
PROJECT LOCATION:	N/A					
PROJECT DESCRIPTION:	Citizen Alert / Notification System Replacement					
PROJECT OBJECTIVE:	Perform life-cycle refresh for system to ensure effective management and delivery of emergency alerts and mass notifications to staff and public.					
TOTAL CAPITAL PROJECT COST:	\$150,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2016		N/A		FY 2018	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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, 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.

TOTAL CAPITAL PROJECT COST: \$200,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2016	N/A	FY 2017 - FY 2018

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

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$200,000	\$0	\$0	\$0	\$0	\$200,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$200,000	\$0	\$0	\$0	\$0	\$200,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$32,571	\$32,000	\$31,429	\$30,857	\$30,286	\$157,143
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$32,571	\$32,000	\$31,429	\$30,857	\$30,286	\$157,143

DEPARTMENT: Information Services
PROJECT NAME: Digital Alerting System (Tone Paging)
PROJECT CONTACT/PHONE #: Jane Reeve x7552
PROJECT LOCATION: N/A

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

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

TOTAL CAPITAL PROJECT COST: \$1,000,000

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

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

Projected Project Revenues & Expenditures					
FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$162,857	\$160,000	\$157,143	\$154,286	\$151,429	\$785,715
- Utilities, insurance, maintenance	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$262,857	\$260,000	\$257,143	\$254,286	\$251,429	\$1,285,715

DEPARTMENT:	Information Services					
PROJECT NAME:	E-911 Call Handling System Upgrade					
PROJECT CONTACT/PHONE #:	Jane Reeve x7552					
PROJECT LOCATION:	N/A					
PROJECT DESCRIPTION:	Upgrade 911 call handling from the Patriot 3 system to the Vesta 911 system. The Patriot 3 system will reach the end of life in November of 2016.					
PROJECT OBJECTIVE:	Request funding to upgrade the call handling equipment from Patriot 3 to the new Vesta 911 system to include upgrades to the ten workstations for the 911 Center. If the system is not upgraded by November 2016, the current Patriot 3 system will no longer be supported by the vendor. In addition, the support for the hardware expires in February 2017.					
TOTAL CAPITAL PROJECT COST:	\$250,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2017		N/A		FY 2017	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$250,000	\$0	\$0	\$0	\$0	\$250,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Estimated Add'l Operational Costs						
- Debt service	\$40,714	\$40,000	\$39,286	\$38,571	\$37,857	\$196,428
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$40,714	\$40,000	\$39,286	\$38,571	\$37,857	\$196,428

DEPARTMENT:	Information Services					
PROJECT NAME:	Public Safety Technology Reserve					
PROJECT CONTACT/PHONE #:	Jane Reeve x7552					
PROJECT LOCATION:	N/A					
PROJECT DESCRIPTION:	Reserve for public safety technology.					
PROJECT OBJECTIVE:	Reserve for public safety 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 2017	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$150,000	\$0	\$0	\$0	\$0	\$150,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$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
Estimated Add'l Operational Costs						
- Debt service	\$24,429	\$24,000	\$23,571	\$23,143	\$22,714	\$117,857
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$24,429	\$24,000	\$23,571	\$23,143	\$22,714	\$117,857

DEPARTMENT: Information Services
PROJECT NAME: 911 Phone System Equipment Upgrade
PROJECT CONTACT/PHONE #: Jane Reeve x7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Basic 911 (911) provides the caller the ability to reach a PSAP by dialing the digits 911. The technology is based on a legacy analog platform. Basic 911 is nearing end-of-life and will soon be obsolete. Replace XP units which have reached end of life with Windows 7 Units

PROJECT OBJECTIVE: Enhanced 911 (E911) relies on an analog-digital platform that adds the following three key capabilities to basic 911 service, and has been implemented throughout the state for landline, wireless and voice over internet protocol (VoIP) service.

TOTAL CAPITAL PROJECT COST: \$250,000

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

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

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$250,000	\$0	\$0	\$0	\$0	\$250,000
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Total Projected Capital Expenditures	\$250,000	\$0	\$0	\$0	\$0	\$250,000

Estimated Add'l Operational Costs						
- Debt service	\$40,714	\$40,000	\$39,286	\$38,571	\$37,857	\$196,428
- Utilities, insurance, maintenance	\$0	\$25,000	\$25,000	\$25,000	\$25,000	\$100,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$40,714	\$65,000	\$64,286	\$63,571	\$62,857	\$296,428

DEPARTMENT: Information Services
PROJECT NAME: Parks & Recreation System Upgrade
PROJECT CONTACT/PHONE #: Jane Reeve, 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 will have exceeded its expected useful life cycle FY 2015 and will be 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$150,000	\$0	\$0	\$0	\$150,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$150,000	\$0	\$0	\$0	\$150,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

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

DEPARTMENT: Information Services
PROJECT NAME: Replacement Computers & Servers
PROJECT CONTACT/PHONE #: Jane Reeve, 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: \$2,707,000

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$657,000	\$550,000	\$500,000	\$500,000	\$500,000	\$2,707,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$657,000	\$550,000	\$500,000	\$500,000	\$500,000	\$2,707,000

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	\$657,000	\$550,000	\$500,000	\$500,000	\$500,000	\$2,707,000
Total Projected Capital Expenditures	\$657,000	\$550,000	\$500,000	\$500,000	\$500,000	\$2,707,000

Estimated Add'l Operational Costs

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

DEPARTMENT: Information Services
PROJECT NAME: Replacement of the Treasurer's Legacy System
PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: The tax billing and collections system currently used by the Treasurer needs to be replaced since it is not meeting the needs of the Treasurer's Office, and current file structures and program enhancements are no longer easily implemented.

PROJECT OBJECTIVE: The purpose of this project is to upgrade the legacy Treasurer's system to a streamlined and automated cash receipts and tax collection system. The legacy was developed in-house in the mid-1990s, has reached the end of its life cycle, and requires replacement. This project is currently underway and additional funding is required for completion.

TOTAL CAPITAL PROJECT COST: \$1,884,364

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

PRIOR YEAR BUDGETS: \$1,484,364

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:

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

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$400,000	\$0	\$0	\$0	\$0	\$400,000

Estimated Add'l Operational Costs

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

DEPARTMENT: Information Services
PROJECT NAME: VoIP Telephony System Enhancements
PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Upgrade voice-over-internet-protocol (VoIP) telephony system features and capabilities

PROJECT OBJECTIVE: Ensure that VoIP telephony system continues to meet staff and citizen needs.

TOTAL CAPITAL PROJECT COST: \$200,000

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$200,000	\$0	\$0	\$0	\$0	\$200,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

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

DEPARTMENT: Information Services
PROJECT NAME: Financial System Upgrade
PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Staff is currently working with OneSolution to upgrade the County's aging, green screen financial management system with a modern, web-based system. A contract was awarded for this work in March 13, 2014. Due to the complexity of this project, consultants with experience in system conversions will need to be hired to serve as the technical liaison for the County. The project includes multiple phases and will take a minimum of 2 years to complete, once the initial phase is implemented.

PROJECT OBJECTIVE: Modernization of the County's financial management system.

TOTAL CAPITAL PROJECT COST: \$968,300

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	FY 2014	N/A	FY 2014 - FY 2019

PRIOR YEAR BUDGETS: \$718,300

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$250,000	\$0	\$0	\$0	\$0	\$250,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$250,000	\$0	\$0	\$0	\$0	\$250,000

Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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, 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$100,000	\$0	\$0	\$100,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$7,500	\$7,500	\$7,500	\$22,500
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$7,500	\$7,500	\$7,500	\$22,500

DEPARTMENT: Utilities/Public Works
PROJECT NAME: Active Gas Collection System in Cells 3 and 4
PROJECT CONTACT/PHONE #: Benjamin Loveday 540-507-7307
PROJECT LOCATION: Livingston Landfill on Massey Road

PROJECT DESCRIPTION: Active Gas Collection System in Cells 3 and 4
PROJECT OBJECTIVE: DOE grant funds were used to install active gas collection in cells 1 and 2 of the Livingston Landfill. This project will expand the collection field into portions of cells 3 and 4 that have reached final grade.

TOTAL CAPITAL PROJECT COST: \$200,000

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total

Financing/Funding Methods:

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

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

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

DEPARTMENT:	Utilities/Public Works					
PROJECT NAME:	Convenience Center Paving					
PROJECT CONTACT/PHONE #:	Benjamin L. 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:	\$45,000 each year for paving repairs at various sites. \$85,000 in FY 2017 to repair lower bay area at Chancellor and bay area access road.					
PROJECT OBJECTIVE:	Maintain level of service for trash collection and disposal to the residents of Spotsylvania County.					
TOTAL CAPITAL PROJECT COST:	\$310,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation			
	N/A	N/A	On-Going			
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$130,000	\$45,000	\$45,000	\$45,000	\$45,000	\$310,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$130,000	\$45,000	\$45,000	\$45,000	\$45,000	\$310,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$130,000	\$45,000	\$45,000	\$45,000	\$45,000	\$310,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$130,000	\$45,000	\$45,000	\$45,000	\$45,000	\$310,000
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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 L. 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:

\$14,263,800

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:

\$79,200

COSTS PROJECTED BEYOND CIP PERIOD:

\$8,978,000

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$2,183,000	\$309,000	\$143,000	\$2,169,000	\$402,600	\$5,206,600
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$2,183,000	\$309,000	\$143,000	\$2,169,000	\$402,600	\$5,206,600

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$15,000	\$309,000	\$75,000	\$36,000	\$402,600	\$837,600
Construction	\$2,168,000	\$0	\$68,000	\$2,133,000	\$0	\$4,369,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$2,183,000	\$309,000	\$143,000	\$2,169,000	\$402,600	\$5,206,600

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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 Green Waste Composting Program																																																																																																																																				
PROJECT CONTACT/PHONE #:	Benjamin L. Loveday, 540-507-7307																																																																																																																																				
PROJECT LOCATION:	Site to be located at the Livingston Landfill																																																																																																																																				
PROJECT DESCRIPTION:	Development of a 3 to 5 acre portion of the Livingston Landfill property for dedication to a Green Waste Recycle Program (leaves/grass). Project will include site work and equipment.																																																																																																																																				
PROJECT OBJECTIVE:	Currently the County collects around 18,000 cubic yards of leaves/grass which must be managed, with disposal in the landfill being the last option. In order to provide a sustainable and reliable handling of the County green waste, it is recommended the County develop a green waste composting program. The program will produce about 18,000 c.y. of organic compost material that can be sold for \$15 to \$20 per yard. This would result in a projected revenue stream of \$250,000 to \$350,000 per year. Additionally, it will allow commercial vendors to increase landfill diversion rates by bringing any leaf/green waste to the recycle facility instead of mixing this in with their regular waste streams.																																																																																																																																				
TOTAL CAPITAL PROJECT COST:	\$630,495																																																																																																																																				
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	<table border="1"> <thead> <tr> <th>Planning & Design</th> <th>Property Acquisition</th> <th>Construction/Implementation</th> </tr> </thead> <tbody> <tr> <td align="center">FY 2015</td> <td align="center">N/A</td> <td align="center">FY 2016 - FY 2017</td> </tr> </tbody> </table>	Planning & Design	Property Acquisition	Construction/Implementation	FY 2015	N/A	FY 2016 - FY 2017																																																																																																																														
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PRIOR YEAR BUDGETS:	\$330,495																																																																																																																																				
COSTS PROJECTED BEYOND CIP PERIOD:	\$0																																																																																																																																				
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Total Projected/Requested Funding	\$300,000	\$0	\$0	\$0	\$300,000																																																																																																																																
Projected Capital Expenditures:																																																																																																																																					
Land	\$0	\$0	\$0	\$0	\$0																																																																																																																																
Professional Services	\$0	\$0	\$0	\$0	\$0																																																																																																																																
Construction	\$0	\$0	\$0	\$0	\$0																																																																																																																																
Vehicles & Equipment	\$300,000	\$0	\$0	\$0	\$300,000																																																																																																																																
Total Projected Capital Expenditures	\$300,000	\$0	\$0	\$0	\$300,000																																																																																																																																
Estimated Add'l Operational Costs																																																																																																																																					
- Debt service	\$0	\$0	\$0	\$0	\$0																																																																																																																																
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0																																																																																																																																
- Personnel	\$0	\$0	\$0	\$0	\$0																																																																																																																																
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$0																																																																																																																																

DEPARTMENT: Utilities/Public Works
PROJECT NAME: 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: \$1,760,000

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

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

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$290,000	\$210,000	\$280,000	\$480,000	\$500,000	\$1,760,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (interest earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$290,000	\$210,000	\$280,000	\$480,000	\$500,000	\$1,760,000

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	\$290,000	\$210,000	\$280,000	\$480,000	\$500,000	\$1,760,000
Total Projected Capital Expenditures	\$290,000	\$210,000	\$280,000	\$480,000	\$500,000	\$1,760,000

Estimated Add'l Operational Costs

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

DEPARTMENT: Utilities/Public Works
PROJECT NAME: 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:

\$2,443,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$603,000	\$405,000	\$365,000	\$670,000	\$400,000	\$2,443,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$603,000	\$405,000	\$365,000	\$670,000	\$400,000	\$2,443,000

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	\$603,000	\$405,000	\$365,000	\$670,000	\$400,000	\$2,443,000
Total Projected Capital Expenditures	\$603,000	\$405,000	\$365,000	\$670,000	\$400,000	\$2,443,000

Estimated Add'l Operational Costs

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

DEPARTMENT: Utilities/Public Works
PROJECT NAME: Single Stream Compactor Conversion
PROJECT CONTACT/PHONE #: Benjamin Loveday 540-507-7307
PROJECT LOCATION: Various convenience sites throughout the County.

PROJECT DESCRIPTION: The single stream recycle program started with compactors at the Chancellor Convenience Center and then transitioned out to the other sites through use of existing cans. Because the recyclables can be bulky, containers can fill up quickly, requiring truck service at a higher rate than desirable. These services could be greatly reduced by installation of additional single stream compactor containers at various sites throughout the County. Sites to be phased in for conversion include: Wilderness, Livingston, Post Oak, The Barn, Chewning Park, Cole Hill Creek and Berkeley. By converting these sites, the recycling materials may only have to be collected once or twice a month as opposed to weekly.

PROJECT OBJECTIVE: Reduce the number of services required to maintain the current level of service. Reduce demand on County front load service trucks which are more expensive to operate.

TOTAL CAPITAL PROJECT COST:

\$59,050

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$59,050	\$0	\$0	\$0	\$0	\$59,050
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$59,050	\$0	\$0	\$0	\$0	\$59,050

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	\$59,050	\$0	\$0	\$0	\$0	\$59,050
Total Projected Capital Expenditures	\$59,050	\$0	\$0	\$0	\$0	\$59,050

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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 / 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; engine rental use will be improved with paved driveway to pick up and drop off the engines from the attendant station; portable units provide sanitary waste disposal; and there is no public drinking water at the Phase I 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$797,572	\$0	\$0	\$0	\$797,572
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$797,572	\$0	\$0	\$0	\$797,572

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$17,306	\$18,172	\$19,080	\$54,558
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$17,306	\$18,172	\$19,080	\$54,558

DEPARTMENT:

Parks & Recreation

PROJECT NAME:

Belmont Passive Park

PROJECT CONTACT/PHONE #:

Kevin Brooks / 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 would provide a passive park for walking and picnics.

TOTAL CAPITAL PROJECT COST:

\$456,687

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$52,987

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$403,700	\$0	\$0	\$403,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$403,700	\$0	\$0	\$403,700

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$36,700	\$0	\$0	\$36,700
Construction	\$0	\$0	\$367,000	\$0	\$0	\$367,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$403,700	\$0	\$0	\$403,700

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$11,015	\$11,565	\$22,580
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$11,015	\$11,565	\$22,580

DEPARTMENT: Parks & Recreation
PROJECT NAME: Livingston Community Center
PROJECT CONTACT/PHONE #: Kevin Brooks / 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:

\$577,500

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$577,500	\$0	\$577,500
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$577,500	\$0	\$577,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$52,500	\$0	\$52,500
Construction	\$0	\$0	\$0	\$525,000	\$0	\$525,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$577,500	\$0	\$577,500

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$18,269	\$18,269
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$18,269	\$18,269

DEPARTMENT:

Parks and Recreation

PROJECT NAME:

Marshall Center Auditorium Upgrades

PROJECT CONTACT/PHONE #:

Kevin Brooks / 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 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$298,700	\$0	\$0	\$298,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Donations)	\$0	\$0	\$5,300	\$0	\$0	\$5,300
Total Projected/Requested Funding	\$0	\$0	\$304,000	\$0	\$0	\$304,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$6,869	\$7,212	\$14,081
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$6,869	\$7,212	\$14,081

DEPARTMENT:

Parks and Recreation

PROJECT NAME:

Marshall Park Upgrades

PROJECT CONTACT/PHONE #:

Kevin Brooks / 507-7525

PROJECT LOCATION:

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



PROJECT DESCRIPTION:

Upgrades to the existing Marshall Park include: Relocation of existing soccer field and construction of additional parking with lights on each, meeting today's site plan/code requirements for parking, drive aisle, ADA parking and accessibility, and storm water management/Chesapeake Bay/wetland permitting. As per Conceptual Plans completed by an engineering firm for the Capital Projects Department in FY 2013.

PROJECT OBJECTIVE:

The existing Marshall Park has inadequate parking. The existing park's parcel size and terrain necessitates expanding parking into an existing field location and construction of a replacement field.

TOTAL CAPITAL PROJECT COST:

\$571,531

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2013/FY 2017	County owns land	FY 2017

PRIOR YEAR BUDGETS:

\$1,531

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$570,000	\$0	\$0	\$0	\$0	\$570,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$570,000	\$0	\$0	\$0	\$0	\$570,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$90,000	\$0	\$0	\$0	\$0	\$90,000
Construction	\$480,000	\$0	\$0	\$0	\$0	\$480,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$570,000	\$0	\$0	\$0	\$0	\$570,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$16,150	\$16,958	\$17,805	\$18,696	\$69,609
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$16,150	\$16,958	\$17,805	\$18,696	\$69,609

DEPARTMENT:

Parks & Recreation

PROJECT NAME:

Ni River Park

PROJECT CONTACT/PHONE #:

Kevin Brooks / 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 by an engineering firm for the Capital Projects Department 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	County owns land	FY 2020

PRIOR YEAR BUDGETS:

\$3,061

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$15,000	\$0	\$0	\$15,000
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$335,000	\$3,020,000	\$0	\$3,355,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Concession Receipts)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$350,000	\$3,020,000	\$0	\$3,370,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$350,000	\$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	\$0	\$350,000	\$3,020,000	\$0	\$3,370,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$74,840	\$74,840
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$74,840	\$74,840

DEPARTMENT:	Parks & Recreation					
PROJECT NAME:	Minor Regrading/Fence Replacement					
PROJECT CONTACT/PHONE #:	Kevin Brooks / 507-7525					
PROJECT LOCATION:	Chewing Park, Cosner Park, Lee Hill Park, Legion Complex, Marshall Park and Mary L. Carter Park					
PROJECT DESCRIPTION:	<p><u>Chewing Park</u> - Replace two (2) Existing Baseball Field Fences. <u>Cosner Park</u> - Replace two (2) Existing Baseball Field Fences / Tennis Court Fence / Fence Along River on North Side of Facility and Fencing Around Community Center. <u>Lee Hill Park</u> - Minor Regrading prior to Replacement of Existing Fence on two (2) Baseball Fields and Fence along North West Property Line between Neighboring Trailer Court and Park. <u>Legion Complex</u> - Replace one (1) Baseball Fence / Replace one (1) Softball Fence / Replace Fence on South Side of Property Line and Fence at the Track Area. <u>Marshall Park</u> - Replace Fence on South Side of Property Line and Along Road Front.</p>					
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 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$367,100	\$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	\$0	\$367,100	\$367,100
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$367,100	\$367,100
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$0	\$367,100	\$367,100
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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 Field Lighting

PROJECT CONTACT/PHONE #: Kevin Brooks / 507-7525

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



PROJECT DESCRIPTION: Install lights for two regulation baseball fields at Patriot Park.

PROJECT OBJECTIVE: To extend the use of the competition fields, increasing the hours of public use after dark.

TOTAL CAPITAL PROJECT COST:

\$947,236

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2017	County Owns Land	FY 2017

PRIOR YEAR BUDGETS:

\$487,236

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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 (Concessions)	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Total Projected/Requested Funding	\$460,000	\$0	\$0	\$0	\$0	\$460,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$460,000	\$0	\$0	\$0	\$0	\$460,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$460,000	\$0	\$0	\$0	\$0	\$460,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$7,384	\$7,753	\$8,140	\$8,548	\$31,825
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$7,384	\$7,753	\$8,140	\$8,548	\$31,825

DEPARTMENT: Parks and Recreation
PROJECT NAME: Playground Installation
PROJECT CONTACT/PHONE #: Kevin Brooks / 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 that is 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:

\$183,750

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 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$183,750	\$0	\$0	\$0	\$183,750
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$183,750	\$0	\$0	\$0	\$183,750

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$183,750	\$0	\$0	\$0	\$183,750
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$183,750	\$0	\$0	\$0	\$183,750

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$3,087	\$3,241	\$3,403	\$9,731
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$3,087	\$3,241	\$3,403	\$9,731

DEPARTMENT:

Department of Fire, Rescue, and Emergency Management

PROJECT NAME:

Fire Training Center

PROJECT CONTACT/PHONE #:

Monty Willaford, 507-7900

PROJECT LOCATION:



PROJECT DESCRIPTION:

This project is the construction of a Fire Training Center. Phase I will provide a concrete apron around the burn building; Phase II will provide permanent classrooms, restrooms, showers and burn pit.

PROJECT OBJECTIVE:

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

TOTAL CAPITAL PROJECT COST:

\$1,250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$24,442	\$0	\$0	\$0	\$0	\$24,442
General Obligation Bond	\$225,558	\$1,000,000	\$0	\$0	\$0	\$1,225,558
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$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	\$250,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$250,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$250,000	\$1,000,000	\$0	\$0	\$0	\$1,250,000

Estimated Add'l Operational Costs

- Debt service	\$19,736	\$116,813	\$114,015	\$111,218	\$108,420	\$470,202
- Utilities, insurance, maintenance	\$0	\$0	\$50,288	\$52,198	\$54,189	\$156,675
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$19,736	\$116,813	\$164,303	\$163,416	\$162,609	\$626,877

DEPARTMENT:	Department of Fire, Rescue, and Emergency Management					
PROJECT NAME:	Site Acquisition & Design of Fire/Rescue Station 12					
PROJECT CONTACT/PHONE #:	Monty Willaford, 507-7900					
PROJECT LOCATION:	Route 1 Corridor - Massaponax Church Road area.					
PROJECT DESCRIPTION:	New Fire/Rescue Station (approx. 15,000 sq. ft.)					
PROJECT OBJECTIVE:	To construct a new fire/rescue station in the Route 1 Corridor.					
TOTAL CAPITAL PROJECT COST:	\$1,000,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2021		FY 2021		FY 2023 - FY 2024	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$0	\$0	\$0	\$0
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$500,000	\$500,000
Professional Services	\$0	\$0	\$0	\$0	\$500,000	\$500,000
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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: Replacement Fire/Rescue Apparatus

PROJECT CONTACT/PHONE #: Monty Willaford, 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 provide critical fire and rescue vehicles.

TOTAL CAPITAL PROJECT COST:

\$15,528,166

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$52,889	\$0	\$0	\$0	\$0	\$52,889
General Obligation Bond	\$3,414,596	\$3,759,752	\$0	\$2,596,968	\$0	\$9,771,316
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$0	\$0	\$2,922,372	\$0	\$2,768,901	\$5,691,273
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$12,688	\$0	\$0	\$0	\$0	\$12,688
Total Projected/Requested Funding	\$3,480,173	\$3,759,752	\$2,922,372	\$2,596,968	\$2,768,901	\$15,528,166
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	\$3,480,173	\$3,759,752	\$2,922,372	\$2,596,968	\$2,768,901	\$15,528,166
Total Projected Capital Expenditures	\$3,480,173	\$3,759,752	\$2,922,372	\$2,596,968	\$2,768,901	\$15,528,166

Estimated Add'l Operational Costs

- Debt service	\$418,233	\$892,128	\$871,500	\$1,195,374	\$1,165,946	\$4,543,181
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$418,233	\$892,128	\$871,500	\$1,195,374	\$1,165,946	\$4,543,181

DEPARTMENT: Department of Fire, Rescue, and Emergency Management

PROJECT NAME: CPR Delivery Devices

PROJECT CONTACT/PHONE #: Monty Willaford, 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: \$65,500

COSTS PROJECTED BEYOND CIP PERIOD:

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aide	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$65,500	\$65,500	\$78,600	\$0	\$0	\$209,600
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$65,500	\$65,500	\$78,600	\$0	\$0	\$209,600

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	\$65,500	\$78,600	\$0	\$0	\$209,600
Total Projected Capital Expenditures	\$65,500	\$65,500	\$78,600	\$0	\$0	\$209,600

Estimated Add'l Operational Costs

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



Transportation Projects



DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Hickory Ridge/Rt 1 Intersection Improvements

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:

Intersection of Hickory Ridge Road and Rt. 1



PROJECT DESCRIPTION:

Design, acquire right of way, relocate utilities and construction to install a new Rt. 1 northbound left turning lane for westbound Hickory Ridge Road; install an eastbound right turning lane on Hickory Ridge Rd. for southbound Rt. 1; stripe the existing eastbound lane on Hickory Ridge Road for left turning traffic to northbound Rt. 1; install a new southbound right turn lane for westbound Hickory Ridge Road. Install a new traffic signal if the VDOT traffic signal warrants are met. This is anticipated as a VDOT-managed project.

PROJECT OBJECTIVE:

Eliminate traffic accidents caused by the lack of a left turn storage lane for northbound Rt 1 traffic turning westbound onto Hickory Ridge Road. The installation of a new traffic signal, if VDOT warrants are met, will eliminate side angle collisions with left turning traffic from westbound Hickory Ridge Road conflicting with uncontrolled southbound Rt 1 through traffic. **(The figures below represent County-only funding for this project. A 100% match of funds has been awarded by the State through the Revenue Sharing program.)**

TOTAL CAPITAL PROJECT COST:

\$1,445,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
FY 2015	FY 2016	FY 2017

PRIOR YEAR BUDGETS:

\$800,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$645,000	\$0	\$0	\$0	\$0	\$645,000
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$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	\$645,000	\$0	\$0	\$0	\$0	\$645,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$645,000	\$0	\$0	\$0	\$0	\$645,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$645,000	\$0	\$0	\$0	\$0	\$645,000

Estimated Add'l Operational Costs

- Debt service	\$56,438	\$55,228	\$54,019	\$52,809	\$51,600	\$270,094
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$56,438	\$55,228	\$54,019	\$52,809	\$51,600	\$270,094

DEPARTMENT:

Capital Projects Management

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 intends to apply for additional 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 figures below represent County-only funding for this project. A match of funds has been awarded by the State through the Revenue Sharing program.)**

TOTAL CAPITAL PROJECT COST:

\$12,800,050

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

	Planning & Design	Property Acquisition	Construction/Implementation
FY 2015		TBD	TBD

PRIOR YEAR BUDGETS:

\$5,700,050

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,875,000	\$5,225,000	\$0	\$0	\$0	\$7,100,000
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$0	\$0	\$0	\$0	\$0	\$0
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$1,875,000	\$5,225,000	\$0	\$0	\$0	\$7,100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$1,875,000	\$5,225,000	\$0	\$0	\$0	\$7,100,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,875,000	\$5,225,000	\$0	\$0	\$0	\$7,100,000

Estimated Add'l Operational Costs

- Debt service	\$164,063	\$669,984	\$654,059	\$638,134	\$622,209	\$2,748,449
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$164,063	\$669,984	\$654,059	\$638,134	\$622,209	\$2,748,449

DEPARTMENT:	Capital Projects Management					
PROJECT NAME:	Improvements at Exit 126 - J Ramp					
PROJECT CONTACT/PHONE #:						
PROJECT LOCATION:						
PROJECT DESCRIPTION:	Installation of a southbound I-95 off ramp connecting to Southpoint Parkway.					
PROJECT OBJECTIVE:	This project will provide an alternative to the southbound I-95 ramp onto Rt. 1. Once constructed, the j-ramp is expected to alleviate traffic backups during evening rush hours along the interstate and Rt. 1 by allowing traffic to safely move from the interstate to Southpoint Parkway and Rt. 208 without having to use Rt. 1.					
TOTAL CAPITAL PROJECT COST:	\$15,000,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
PRIOR YEAR BUDGETS:	FY 2017 - FY 2018					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$6,000,000	\$7,500,000	\$0	\$0	\$0	\$13,500,000
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$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	\$6,000,000	\$7,500,000	\$0	\$0	\$0	\$13,500,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$6,000,000	\$7,500,000	\$0	\$0	\$0	\$13,500,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$6,000,000	\$7,500,000	\$0	\$0	\$0	\$13,500,000
Estimated Add'l Operational Costs						
- Debt service	\$525,000	\$1,245,000	\$1,215,938	\$1,186,875	\$1,157,813	\$5,330,626
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$525,000	\$1,245,000	\$1,215,938	\$1,186,875	\$1,157,813	\$5,330,626

DEPARTMENT:	Capital Projects Management					
PROJECT NAME:	Corridor Study & Implementation of Findings - Rt. 1 & Rt. 208					
PROJECT CONTACT/PHONE #:	Doug Morgan, 540-507-7437					
PROJECT LOCATION:	Rt. 1 and Rt. 208 in Spotsylvania County					
PROJECT DESCRIPTION:	Study of the Rt. 1 and Rt. 208 corridors to identify necessary safety and operational improvements.					
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 2016		N/A		FY 2018	
PRIOR YEAR BUDGETS:						
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
	Projected Project Revenues & Expenditures					
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$5,757,500	\$0	\$0	\$0	\$5,757,500
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$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	\$5,757,500	\$0	\$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	\$5,757,500	\$0	\$0	\$0	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$5,757,500	\$0	\$0	\$0	\$5,757,500
Estimated Add'l Operational Costs						
- Debt service	\$0	\$561,356	\$547,682	\$534,008	\$520,334	\$2,163,380
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$561,356	\$547,682	\$534,008	\$520,334	\$2,163,380

DEPARTMENT:	Capital Projects Management					
PROJECT NAME:	Corridor Study & Implementation of Findings - Rt. 2 & Rt. 17					
PROJECT CONTACT/PHONE #:	Doug Morgan, 540-507-7437					
PROJECT LOCATION:	Rt. 2 and Rt. 17 in Spotsylvania County					
PROJECT DESCRIPTION:	Study of the Rt. 2 and Rt. 17 corridors to identify necessary safety and operational improvements.					
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 2016		N/A		FY 2019/FY 2020	
PRIOR YEAR BUDGETS:						
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
	Projected Project Revenues & Expenditures					
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$0	\$2,878,750	\$1,878,750	\$0	\$4,757,500
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$2,878,750	\$2,878,750	\$0	\$5,757,500
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$2,878,750	\$2,878,750	\$0	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$2,878,750	\$2,878,750	\$0	\$5,757,500
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$280,678	\$457,019	\$445,720	\$1,183,417
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$280,678	\$457,019	\$445,720	\$1,183,417

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Transportation - General Engineering Consultant

PROJECT CONTACT/PHONE #:

Ed Petrovitch, 540-507-7300

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 Rail and Public Transportation (VDRPT) funding allocations / grants using credible cost estimates and analyses performed by qualified professionals.

TOTAL CAPITAL PROJECT COST:

\$100,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	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
State Aid	\$0	\$0	\$0	\$0	\$0	\$0
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue - Transportation Fund	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
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	\$20,000	\$100,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$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 17 – FY 21 costs = \$19,244,136)

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 17 – FY 21 costs = \$19,983,880)

Purchase of replacement school buses. These vehicles include 119 77-passenger buses, 33 buses for special needs students, 3 Type A buses, and 8 Head Start buses. Also included is purchase of six bus engines and camera equipment for buses.

Capital Maintenance (FY 17 – FY 21 costs = \$40,655,500)

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, running tracks, refurbishing bleachers, telephone/intercom systems, flooring/carpeting, painting, replacement of window/door hardware, field unit vehicle replacements, etc.

Technology Replacements/Upgrades (FY 17 – FY 21 costs = \$23,199,845)

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.



Utilities Capital Projects



Utilities Capital Projects

General Projects

Utility Lab/Office Expansion (FY 17 – FY 21 costs = \$4,225,000)

The growth of the Utility 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 17 – FY 21 costs = \$600,000)

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

Manhole Rehabilitation Program (FY 17 – FY 21 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.

CMMS & Asset Management Upgrade (FY 17 – FY 21 costs = \$50,000)

This project will upgrade the Utilities work order and inventory control software.

System Improvement Opportunities with Developers (FY 17 – FY 21 costs = \$450,000)

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

Water Projects

Motts Solids Dewatering System (FY 17 – FY 21 costs = \$3,000,000)

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

Southpoint 12" Waterline Replacement (FY 17 – FY 21 costs = \$275,000)

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

Ni River Water Treatment Plant Improvements/Expansion (FY 17 – FY 21 costs = \$20,740,000)

This project consists of replacement of three different proprietary coagulation and flocculation systems with a single system, improvements to the filtration system, modernization of the

control system, replacement of the undersized residuals force main, and other improvements. The project is necessary to assure that the plant can treat and deliver its permitted 6 MGD of production. The project will also improve plant reliability and redundancy.

Thornburg Water Transmission Improvements (FY 17 – FY 21 costs = \$4,575,000)

This project includes funding for water transmission improvement projects between Four Mile Fork and Thornburg. Projects include a 24" main from Lee's Park to Rt. 1, and a 16" line betterment with the Rt. 1/Rt. 606 intersection improvement project at Thornburg. Funding also includes a water storage tank for the Thornburg area.

Loren Dr./Harrison Rd. Waterline (formerly Falcon Dr. Ext.) (FY 17 – FY 21 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 17 – FY 21 costs = \$20,750,000)

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.

Country Club Estates System Improvements (FY 17 – FY 21 costs = \$500,000)

Improvements and upgrades to current water system serving County Club Estates.

16" Waterline – Andora Drive to Sawhill (FY 17 – FY 21 costs = \$3,000,000)

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 17 – FY 21 costs = \$800,000)

This is a preventative maintenance program to replace meters 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.

Brock Road 16" Waterline (FY 17 – FY 21 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 17 – FY 21 costs = \$1,200,000)

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 17 – FY 21 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 17 – FY 21 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 17 – FY 21 costs = \$500,000)

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

Harrison Rd/Route 1 Waterline Improvements (FY 17 – FY 21 costs = \$950,000)

Improvements for water lines affected by the VDOT Rt. 1/Harrison Road intersection project.

Spotswood 2" Line Upgrade (FY 17 – FY 21 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 17 – FY 21 costs = \$700,000)

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

GPS Mapping (FY 17 – FY 21 costs = \$750,000)

GPS coordinates for locating collection and distribution system assets per Global Positioning System.

Waverly Village 2" Line Upgrade (FY 17 – FY 21 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.

Sewer Projects

I-95 to Woodland Drive – Phase II (FY 17 – FY 21 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 17 – FY 21 costs = \$350,000)

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 17 – FY 21 costs = \$350,000)

This project is planned to eliminate two pump stations by construction a gravity line to a new down-gradient pump station.

Old Greenwich Townhouses Sewer Replacement (FY 17 – FY 21 costs = \$1,800,000)

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

Fawn Lake Pump Stations 27 & 58 (FY 17 – FY 21 costs = \$1,500,000)

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

Maple Grove Rehab (FY 17 – FY 21 costs = \$215,000)

The Maple Grove Sewer Rehabilitation project will rehabilitate the sewer system components throughout the neighborhood that have reached the end of their useful lives. The service life of the pipe can be extended by many years through use of cured-in-place (CIPP) lining, which has a minimum life of 50 years. The lining seals joints and is a very effective deterrent to root intrusion. Rehabilitation by CIPP lining, before the pipe deteriorates to a failed condition, is more cost effective and can be completed with minimal service disruption resulting in less future maintenance.

Wastewater Collection Extensions to Existing Developments (FY 17 – FY 21 costs = \$250,000)

The project will extend the sanitary sewers into existing developments without public sewer and/or into areas with failing septic systems.

Thornburg Wastewater Transmission Improvements (FY 17 – FY 21 costs = \$3,800,000)

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 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 17 – FY 21 costs = \$250,000)

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 17 – FY 21 costs = \$2,500,000)

This project will replace an existing, aging, underground pump station, moving it across Ni River off National Park Service property and replacing two other pump stations with gravity sewer.

Lafayette Crossing Pump Station Abandonment (*FY 17 – FY 21 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.

Replacement Equipment – Field Services (*FY 17 – FY 21 costs = \$1,200,000*)

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

Replacement Equipment – Composting (*FY 17 – FY 21 costs = \$1,700,000*)

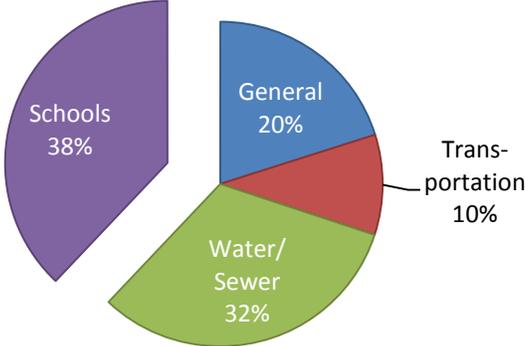
This project includes funding to replacement signification equipment used in the compositing operation.



Debt Service

Spotsylvania County is responsible for outstanding debt remaining on various financings undertaken for the purpose of funding general County projects, School projects, transportation projects, and water and sewer projects. Total existing debt that will be outstanding in all funds as of June 30, 2016 is \$392.2 million and is broken down as follows:

Debt Type	Balance – June 30, 2016
General projects	\$78.8 M
Transportation projects*	\$39.2 M
Water and sewer projects	\$125.4 M
School projects	\$148.8 M
Total	\$392.2 M



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

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

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

An assessment of these ratios relative to existing debt and debt anticipated based on the Recommended CIP begins on page 143.

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

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

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

The 2001, 2005 and 2006 voter-approved referenda authorized the County to borrow a total of \$372.0 million for purposes of fire/rescue station construction and equipment purchases, transportation projects, library and parks projects, public safety and general government purposes, and school construction and technology purchases. At the end of FY 2017, \$259.9 million will have been borrowed against this referenda authority. The balance - \$112.2 million – will remain unissued because the time will have expired for legal issuance.

In 2014, a voter-approved referendum authorized the County to borrow a total of \$241.4 million to fund public safety, transportation and school capital projects. At the end of FY 2017, it is estimated that \$50.3 million will have been borrowed against this referendum authority.

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

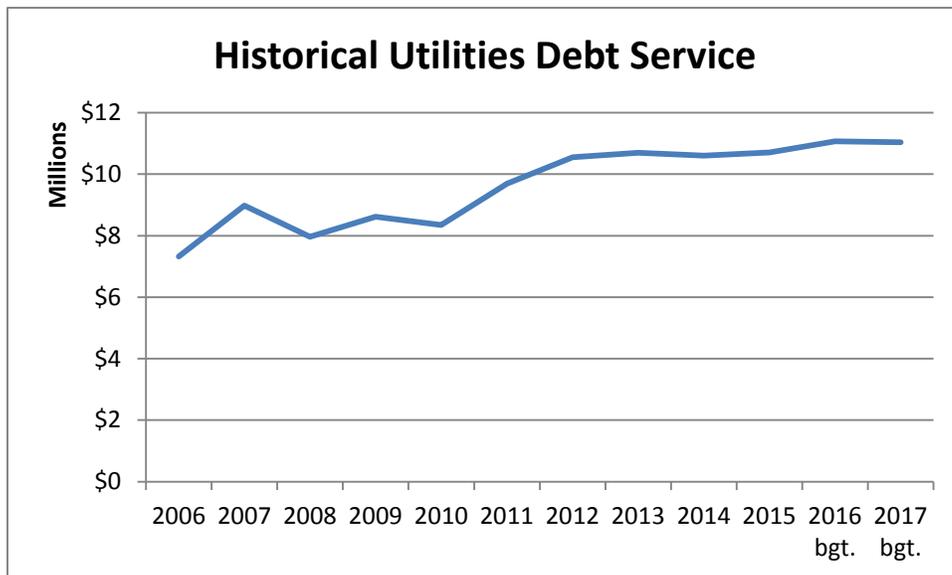
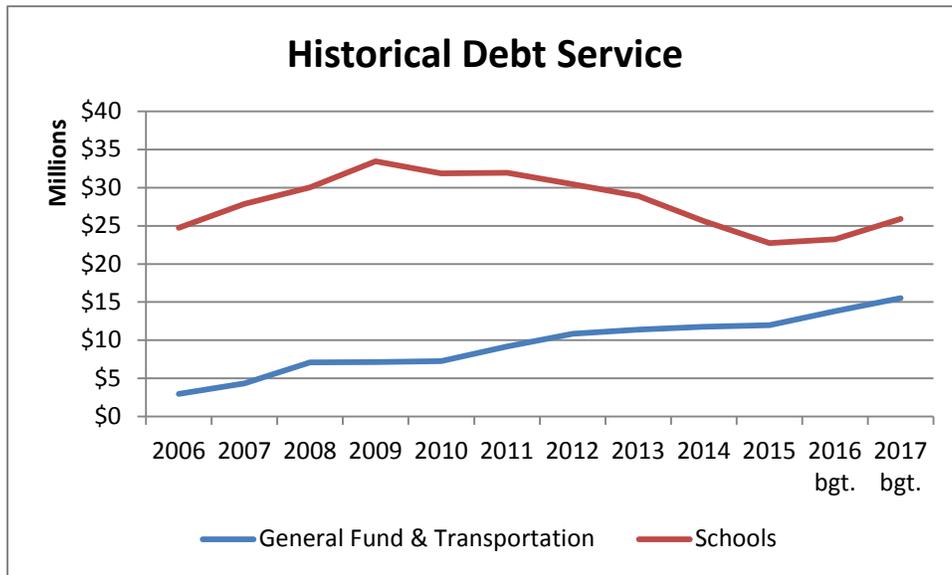
Referendum	Purpose	Potential Tax Rate Impact*
2001	Fire/Rescue	\$0.05 per \$100
2005	Transportation	\$0.10 per \$100
2005	Library & Parks	\$0.01 per \$100
2005	Public Safety	\$0.06 per \$100
2005	Schools	\$0.05 per \$100
2006	Schools	\$0.04 per \$100
2014	Public Safety	\$0.03 per \$100
2014	Transportation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

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

There have been two previous tax rate increases specifically tied to repayment of the debt service associated with these borrowings, and a \$0.03 increase is recommended as part of the FY 2017 Recommended Budget:

- A \$0.02 tax rate increase in calendar year 2005 for the purpose of funding fire/rescue debt service; and
- A \$0.01 tax rate increase in calendar year 2010 was approved for general County debt service.
- A \$0.03 tax rate increase is recommended in calendar year 2016 with \$0.02 being dedicated to Schools' debt service and \$0.01 being dedicated to the County's public safety debt service.

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



Following are the amortization schedules for general, transportation, schools, and utilities debt. Each schedule shows existing debt service. The schedules include the debt service associated with a combined \$55.1 million planned for issuance in Summer 2016 for the animal shelter improvements; multiple public safety technology projects; fire and EMS equipment replacements; transportation projects; various school capital maintenance, technology and bus replacements; and utilities projects.

General and Transportation Debt

TOTAL GENERAL & TRANSPORTATION DEBT - SPOTSYLVANIA COUNTY						
	<u>Existing Debt¹</u>		<u>New Debt</u>		<u>Total Debt</u>	
	Principal	Interest	Principal	Interest	Principal	Interest
2017	\$8,364,898	\$4,872,784	\$1,632,455	\$642,895	\$9,997,353	\$5,515,679
2018	8,487,275	4,572,438	1,632,455	597,906	10,119,730	5,170,344
2019	8,415,331	4,257,918	1,632,455	552,917	10,047,786	4,810,836
2020	8,378,679	3,919,113	1,632,455	507,929	10,011,134	4,427,042
2021	8,468,588	3,573,553	1,632,455	462,940	10,101,042	4,036,492
2022	8,581,894	3,189,465	1,632,455	417,951	10,214,349	3,607,416
2023	8,715,871	2,794,343	1,632,455	372,962	10,348,326	3,167,305
2024	8,680,437	2,391,717	831,307	327,974	9,511,744	2,719,691
2025	8,377,240	1,982,662	831,307	299,008	9,208,547	2,281,670
2026	8,395,760	1,663,732	831,307	270,042	9,227,067	1,933,774
2027	8,420,089	1,349,253	831,307	241,076	9,251,397	1,590,330
2028	4,746,275	1,013,330	831,307	212,111	5,577,583	1,225,440
2029	4,756,275	801,927	610,483	183,145	5,366,758	985,072
2030	4,771,275	588,063	610,483	160,252	5,381,758	748,315
2031	2,911,275	402,286	610,483	137,359	3,521,758	539,645
2032	2,606,698	290,695	610,483	114,466	3,217,181	405,161
2033	2,016,698	191,567	610,483	91,572	2,627,181	283,140
2034	1,729,814	112,948	610,483	68,679	2,340,297	181,627
2035	1,229,456	40,630	610,483	45,786	1,839,939	86,416
2036	0	0	610,483	22,893	610,483	22,893
2037	0	0	0	0	0	0
	\$118,053,829	\$38,008,424	\$20,467,584	\$5,729,864	\$138,521,413	\$43,738,288

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

School Debt

TOTAL SCHOOLS DEBT - SPOTSYLVANIA COUNTY						
	<u>Existing Debt</u>		<u>New Debt</u>		<u>Total Debt</u>	
	Principal	Interest	Principal	Interest	Principal	Interest
2017	\$16,768,944	\$5,867,516	\$2,433,498	\$820,971	\$19,202,442	\$6,688,487
2018	14,833,799	5,168,656	2,433,498	757,787	17,267,297	5,926,443
2019	14,088,263	4,540,018	2,433,498	694,604	16,521,761	5,234,621
2020	12,637,780	3,967,425	2,433,498	631,420	15,071,278	4,598,845
2021	12,335,386	3,429,036	2,433,498	568,237	14,768,884	3,997,273
2022	11,969,106	2,891,846	2,433,498	505,053	14,402,604	3,396,899
2023	10,621,128	2,374,757	2,433,498	441,870	13,054,626	2,816,627
2024	8,752,563	1,938,235	1,034,308	378,686	9,786,871	2,316,921
2025	8,978,760	1,588,625	1,034,308	343,486	10,013,068	1,932,111
2026	8,844,240	1,289,595	1,034,308	308,287	9,878,548	1,597,881
2027	8,890,911	1,031,942	1,034,308	273,087	9,925,219	1,305,029
2028	6,204,724	620,633	1,034,308	237,887	7,239,032	858,520
2029	5,142,724	429,915	675,625	202,688	5,818,349	632,602
2030	3,709,724	273,714	675,625	177,352	4,385,349	451,065
2031	2,893,724	161,621	675,625	152,016	3,569,349	313,637
2032	728,302	68,389	675,625	126,680	1,403,927	195,069
2033	728,302	46,054	675,625	101,344	1,403,927	147,397
2034	455,186	23,720	675,625	76,008	1,130,811	99,728
2035	230,544	8,069	675,625	50,672	906,169	58,741
2036	0	0	675,625	25,336	675,625	25,336
2037	0	0	0	0	0	0
	\$148,814,109	\$35,719,765	\$27,611,024	\$6,873,468	\$176,425,133	\$42,593,233

Utilities Debt

TOTAL UTILITIES DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2017	\$5,242,000	\$5,336,905	\$106,022	\$352,198	\$5,348,022	\$5,689,103
2018	5,471,000	5,130,574	111,323	346,897	5,582,323	5,477,471
2019	5,680,000	4,895,872	116,889	341,331	5,796,889	5,237,202
2020	5,903,000	4,665,387	122,733	335,486	6,025,733	5,000,874
2021	6,111,000	4,423,302	128,870	329,350	6,239,870	4,752,652
2022	6,383,000	4,149,217	135,314	322,906	6,518,314	4,472,123
2023	6,650,000	3,859,794	142,079	316,141	6,792,079	4,175,934
2024	6,937,000	3,556,279	149,183	309,037	7,086,183	3,865,315
2025	7,233,000	3,249,648	156,642	301,577	7,389,642	3,551,225
2026	7,522,000	2,928,379	164,474	293,745	7,686,474	3,222,125
2027	5,270,000	2,572,192	172,698	285,522	5,442,698	2,857,714
2028	5,457,000	2,362,094	181,333	276,887	5,638,333	2,638,981
2029	5,657,000	2,144,132	190,400	267,820	5,847,400	2,411,952
2030	5,845,000	1,922,808	199,920	258,300	6,044,920	2,181,108
2031	6,052,000	1,694,288	209,916	248,304	6,261,916	1,942,592
2032	6,272,000	1,452,213	220,412	237,808	6,492,412	1,690,021
2033	4,670,000	1,205,880	231,432	226,788	4,901,432	1,432,668
2034	4,819,000	1,027,587	243,004	215,216	5,062,004	1,242,803
2035	4,977,000	843,344	255,154	203,066	5,232,154	1,046,409
2036	3,815,000	647,642	267,912	190,308	4,082,912	837,950
2037	3,955,000	479,691	281,307	176,913	4,236,307	656,604
2038	1,750,000	305,573	295,373	162,847	2,045,373	468,421
2039	1,815,000	207,363	310,141	148,079	2,125,141	355,442
2040	1,880,000	105,506	325,648	132,572	2,205,648	238,077
2041	0	0	341,931	116,289	341,931	116,289
2042	0	0	359,027	99,193	359,027	99,193
2043	0	0	376,979	81,241	376,979	81,241
2044	0	0	395,827	62,392	395,827	62,392
2045	0	0	415,619	42,601	415,619	42,601
2046	0	0	436,400	21,820	436,400	21,820
2047	0	0	0	0	0	0
	\$125,366,000	\$59,165,671	\$7,043,961	\$6,702,632	\$132,409,961	\$65,868,303