

Capital Improvement Plan

Introduction

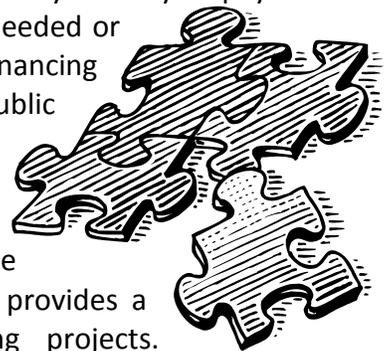
The Capital Improvement Plan (CIP) is a planning tool for development, modernization and/or replacement of County infrastructure, ensuring the County is able to maintain an effective level of services for citizens now and into the future. Each year the CIP is reviewed, priorities are reassessed, and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

- **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:

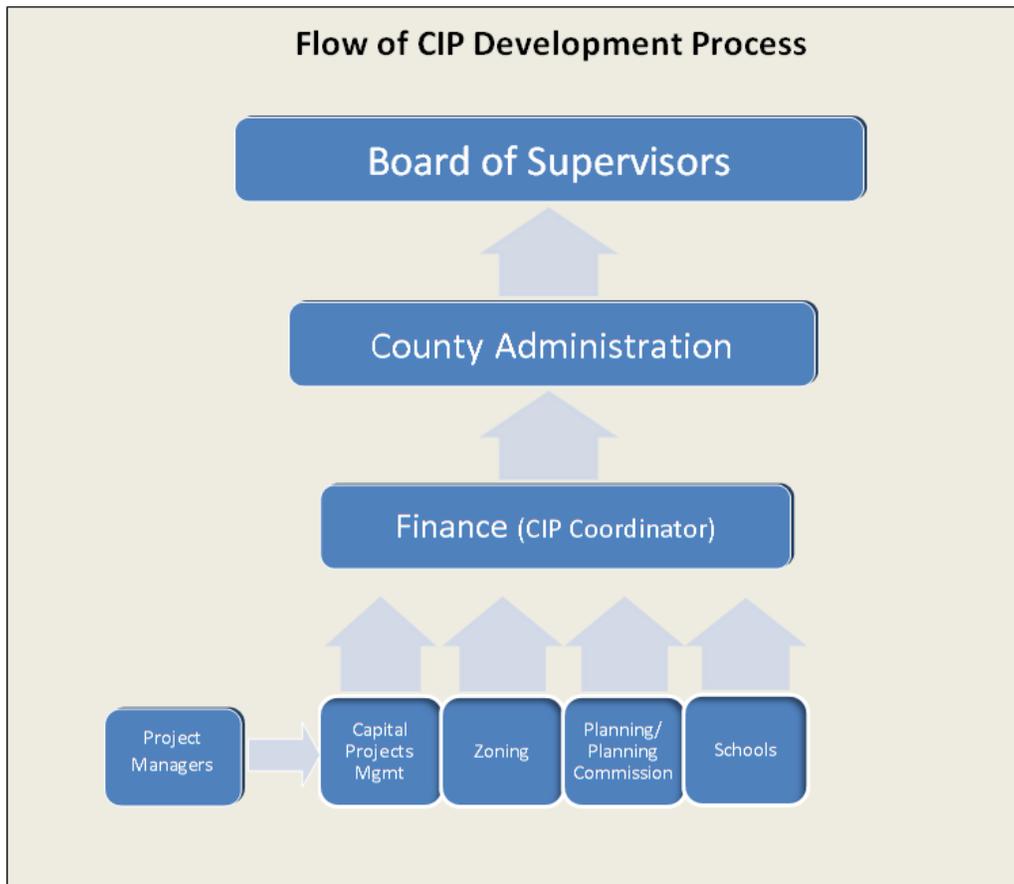
- **Current Revenue Financing** – Current revenue financing is often referred to as “pay as you go” financing. It is a fiscally conservative method of paying for capital improvements out of current taxes, fees, charges or special assessments. The County’s adopted Fiscal Policy Guidelines address this 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 Adopted Budget includes a FY 2016 transfer of 3.00% 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. At the close of FY 2015 and before reserving the use planned in the FY 2016 Budget, the County’s General Fund balance is expected to exceed the 10% Fiscal

Stability Reserve policy guideline by \$6.7 million (1.7 percentage points). The FY 2016 – FY 2020 Capital Improvement Plan assumes a transfer of \$2.5 million from the General Fund balance to the Capital Projects Fund to fund a portion of the CAD system, replacement voting machines, and replacement fire equipment in FY 2016.

- **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 approved Fiscal Policy Guidelines. The CIP is recommended to the Board of Supervisors along with the annual Recommended Budget. Following the presentation of the Recommended Budget and CIP, the Board holds work sessions in March and April to discuss the Recommended CIP. A public hearing is held in March or April and the CIP is typically approved in April.

FY 2016 – FY 2020 CIP Development Calendar

October 17, 2014	CIP development kick-off
November 7, 2014	Project managers submit project requests/revisions to Finance Department
November 25, 2014	Schools submit Schools' CIP to Finance
By December 9, 2014	County Administrator and staff review and prioritize CIP requests
January 2015	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
January 21, 2015	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
February 10, 2015	Presentation of County Administrator's FY 2016 Recommended Budget and CIP to Board of Supervisors
March 10, 2015	Board of Supervisors work session to discuss Recommended Budget and CIP
March 26, 2015	Tax Rate, Budget and CIP Public Hearings
March 31, 2015	Board of Supervisors work session to discuss Recommended Budget and CIP
April 2, 2015	Board of Supervisors to give general approval to FY 2016 – FY 2020 CIP
April 14, 2015	Adopt FY 2016 – FY 2020 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:

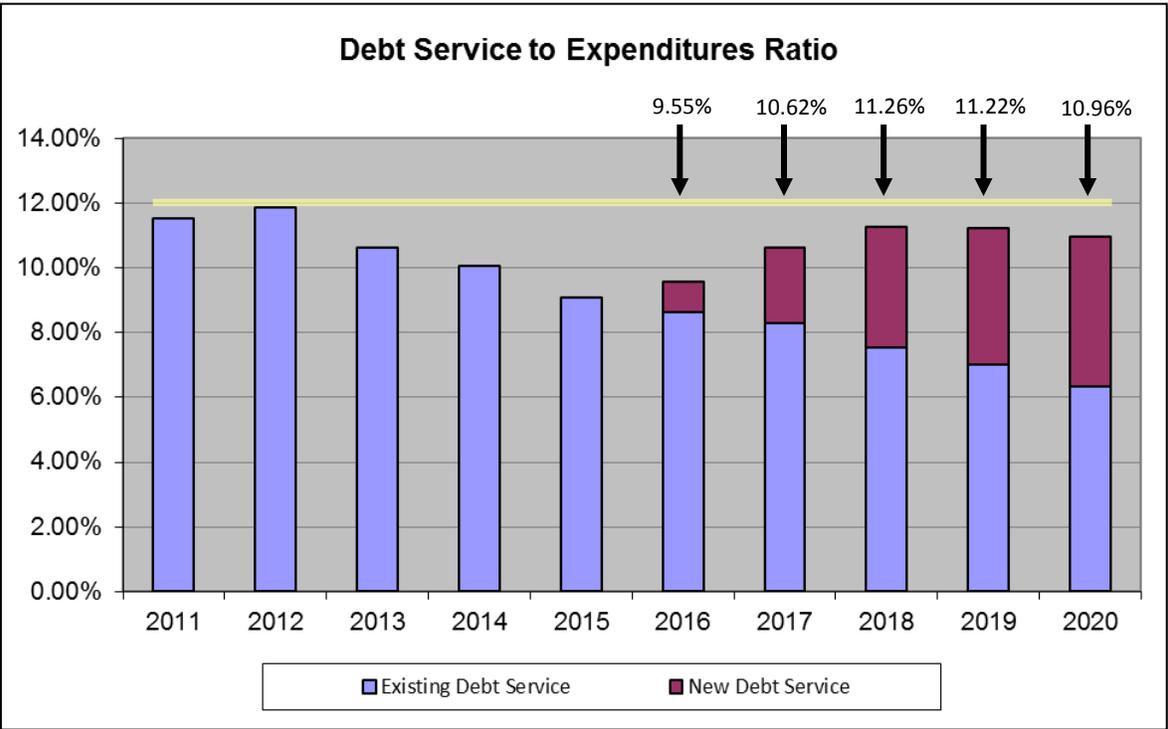
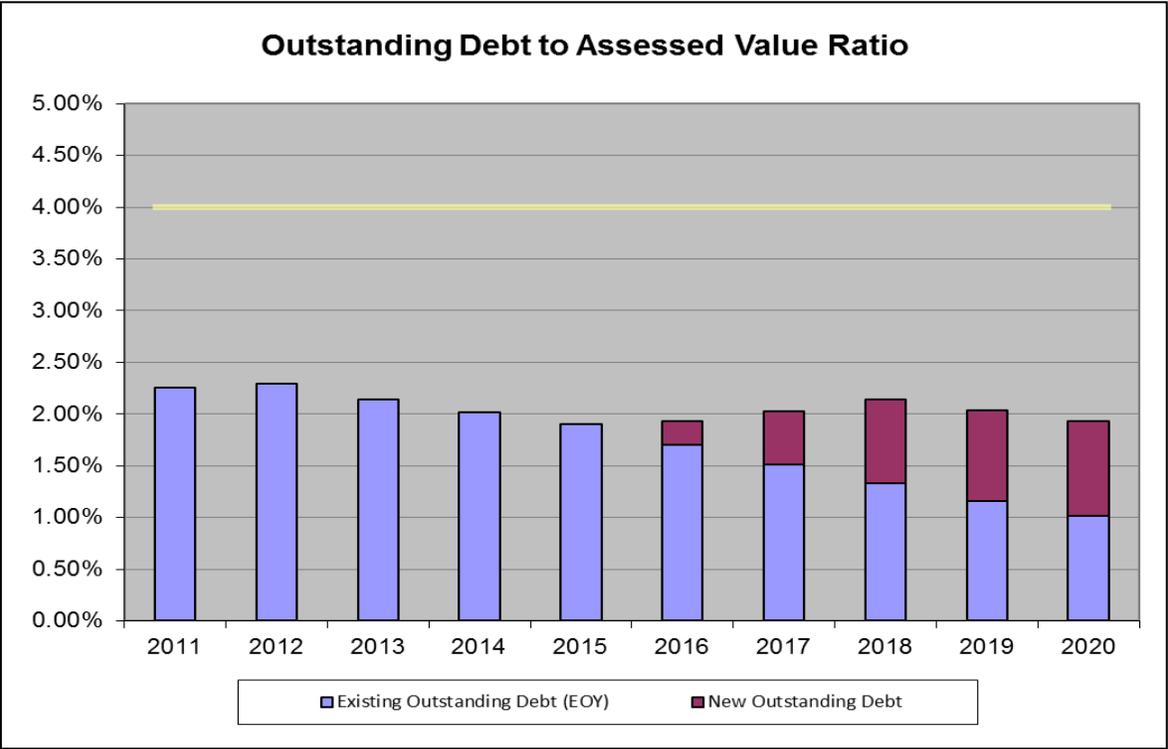
- Net debt as a percentage of estimated market value taxable should not exceed 3% - 4%
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 10% - 12%
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 60% at the end of each adopted CIP. The payout ratio shall be no less than 55% in any one year during that period.

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 2015 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 FY 2016 – FY 2020 Adopted CIP is in compliance with the Board’s adopted fiscal policy guidelines. The yellow horizontal lines represent the upper limit of the fiscal policy guidelines 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 2016, including the financings to be issued in Summer 2015, total general debt outstanding is estimated at \$297.8 million. At the end of FY 2025 – ten fiscal years beyond FY 2016 – the County will have repaid \$216.1 million (72.56%) of the debt outstanding at the beginning of FY 2016.

10-Yr Payout Ratio (must be > 55%)	
FY	Payout Ratio
FY 2016	72.56%
FY 2017	74.77%
FY 2018	75.39%
FY 2019	77.01%
FY 2020	78.41%

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 2016, the transfer from the General Fund to the Capital Projects Fund is budgeted at \$7.1 million, or 3.00% of General Fund revenues. Additionally, \$2.5 million is transferred from the General Fund balance to the Capital Projects Fund to fund a portion of the CAD system, replacement voting machines, and replacement fire equipment in FY 2016.

Operating Impact

The table below shows the anticipated budgetary impacts that implementation of projects in the FY 2016 – FY 2020 CIP may have in the near future.

Projects/Type	FY 2017	FY 2018	FY 2019	FY 2020
General Government Projects				
Debt Service	\$1,496,628	\$1,462,176	\$1,427,723	\$1,393,271
Maintenance	137,500	162,000	165,000	165,000
Solid Waste Projects				
Utilities/Insurance	4,557	4,783	5,019	5,267
Maintenance & Fuel	650	701	758	819
Parks & Recreation Projects				
Utilities/Insurance	0	7,384	10,862	17,959
Maintenance	525	14,812	43,361	134,786
Fire & Rescue Projects				
Debt Service	31,269	30,609	29,949	29,289
Utilities/Insurance	0	0	18,653	19,638
Maintenance	0	0	33,545	34,551
Transportation Projects				
Debt Service	2,795,003	4,325,559	4,879,518	5,597,803
School Projects				
Debt Service	4,867,089	9,026,289	10,808,525	12,205,413
Total				
Debt Service	9,189,989	14,844,633	17,145,715	19,225,776
Maintenance & Fuel	138,675	177,513	242,664	335,156
Utilities/Insurance	<u>4,557</u>	<u>12,167</u>	<u>34,534</u>	<u>42,864</u>
Total	\$9,333,221	\$15,034,313	\$17,422,913	\$19,603,796

The table below shows the potential impact that implementation of the FY 2016 – FY 2020 CIP could have on the tax rate. This table reflects all General Government, Transportation and Schools capital projects within the five-year planning period. The analysis assumes the current real estate tax rate of \$0.86 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 2016, and unlike the debt service shown in the table on the previous page, takes into account the pay down of existing debt. The “Incremental Tax Rate Impact” shows the tax rate increase necessary each year to fund the Adopted CIP.

FY 2016 – FY 2020 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
2016	1,245,957	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2017	1,270,877	4,898,319	0.039	0.039	143,232	0.001	0.001	0.040	0.040
2018	1,299,503	7,945,738	0.061	0.023	189,680	0.001	0.000	0.063	0.023
2019	1,331,990	8,589,659	0.064	0.003	277,198	0.002	0.001	0.067	0.004
2020	1,365,290	8,379,912	0.061	-0.003	378,020	0.003	0.001	0.064	-0.002
				\$0.061				\$0.003	\$0.064

Given the projected CIP expenditures for the next five years, revenues will need to increase by the equivalent of 6.6 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 0.2 cents in FY 2020 due to the payoff of existing debt service. Over the five year period, 96% of the added costs are associated with debt service while the remaining 4% 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 133. Additionally, estimated annual operating costs including the debt service associated with each project are displayed in the project summary section beginning on page 154.

FY 2016 Capital Projects

The capital projects budgets for FY 2016 total \$43.3 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 2015 to fund certain County and Schools capital projects in FY 2016. 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 2016 Adopted Budget. Upon finalizing the financing of the FY 2016 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 2016 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 2016:

Project	FY 2016 Project Cost	FY 2016 Budget	To Be Financed
General Government Facilities:			
Judicial Center Renovation	\$8,141,280	\$679,236	\$7,462,044
Renovate Former Sheriff's Office	1,253,918	203,500	1,050,418
Animal Shelter Design	195,901	0	195,901
General Government Facilities Total	\$9,591,099	\$882,736	\$8,708,363
Information Technology:			
Computer Aided Dispatch System Replacement	\$2,850,000	\$2,536,095	\$313,905
E911 Portable Telephone System	132,192	132,192	0
Enterprise Fiber Network	720,000	720,000	0
Replacement Computers & Servers	397,000	397,000	0
Replacement of Treasurer's Legacy System	150,000	150,000	0
Replacement Voting Machines	313,905	313,905	0
Information Technology Total	\$4,563,097	\$4,249,192	\$313,905
Solid Waste:			
Convenience Center Paving	\$105,000	\$105,000	\$0
Marshall Park Convenience Center Improvements	700,000	700,000	0
Livingston Landfill Green Waste Composting	300,000	300,000	0
Livingston Stormwater Improvements	125,000	125,000	0
Refuse Disposal Equipment Replacement	324,500	324,500	0
Refuse Collection Equipment Replacement	390,000	390,000	0
Single Stream Compactor Conversion	200,000	200,000	0
Landfill Utilization Improvement – Compactor	875,000	875,000	0
Solid Waste Total	\$3,019,500	\$3,019,500	\$0
Parks & Recreation:			
Resurfacing of 7 Tennis Courts	\$57,040	\$57,040	\$0
Loriella Park Pool Repairs	126,304	126,304	0
Parks & Recreation Total	\$183,344	\$183,344	\$0
Fire/Rescue:			
Replacement Fire Equipment	\$1,848,388	\$1,560,302	\$288,086
Replacement EMS Equipment	810,340	810,340	0
CPR Delivery Devices	65,500	65,500	0
Emissions Extraction Systems	100,000	100,000	0
Fire/Rescue Total	\$2,824,228	\$2,536,142	\$288,086
Transportation:			
Unpaved Roads	\$100,000	\$22,000	\$78,000
Improvements at Exit 126	5,000,000	0	5,000,000
Harrison Rd Widening	2,450,000	6,036	2,443,964
Thornton Rolling/Rt. 17 Intersection	500,000	0	500,000
Grand Brooks Road Resurfacing	1,000,000	66,413	933,587
Relocation of Ely's Ford/Rt. 3 Intersection	500,000	0	500,000
Corridor Studies – Rt. 1, Rt. 2, Rt. 17 & Rt. 208	780,000	380,000	400,000
Transportation Total	\$10,330,000	\$474,449	\$9,855,551

Project	FY 2016 Project Cost	FY 2016 Budget	To Be Financed
Schools:			
New/Replacement Buses	\$4,382,228	\$0	\$4,382,228
Capital Maintenance	8,708,490	3,749,749	4,958,741
Technology Replacements/Upgrades	5,538,807	0	5,538,807
Schools Total	\$18,629,525	\$3,749,749	\$14,879,776
Utilities:			
Utility Lab/Office Expansion	\$250,000	\$250,000	\$0
Manhole Rehabilitation Program	50,000	50,000	0
System Improvement Opportunities	100,000	100,000	0
Motts Run Water Treatment Plant Expansion	100,000	100,000	0
Rt 1/Rt 606 Waterline Improvements	130,000	130,000	0
Ni River Treatment Plant Improvements	2,400,000	2,400,000	0
Future Water Source	750,000	750,000	0
Water Meter Replacement Program	500,000	500,000	0
Harrison Road/Rt. 1 Waterline Improvements	300,000	300,000	0
Elimination of Pump Stations 3 & 6	70,000	70,000	0
Fawn Lake Pump Stations 27 & 58	500,000	500,000	0
Wastewater Collection Extensions	150,000	150,000	0
Waverly Village Rehabilitation	615,000	615,000	0
FMC Infrastructure Improvements	1,000,000	1,000,000	0
Rt. 1/Harrison Rd 16" FM Realignment	300,000	300,000	0
Poole Drive Replacement	100,000	100,000	0
Replacement Equipment – Field Services	580,000	580,000	0
Replacement Equipment – WWTPs	180,000	180,000	0
Replacement Equipment – Composting	637,500	637,500	0
Utilities Total	\$8,712,500	\$8,712,500	\$0
Other:			
Capital Projects Management (personnel & op.)	\$327,615	\$327,615	\$0
Transfer to General Fund	280,999	280,999	0
Transfer to Utilities Operating Fund	28,615	28,615	0
Transfer to School Capital Projects	3,749,749	3,749,749	0
Transfer to Transportation Fund	176,162	176,162	0
Other Total*	\$4,563,140	\$4,563,140	\$0
Total FY 2016 Capital Projects Funds	\$62,416,433	\$28,370,752	\$34,045,681
FY 2016 Capital Budget Including Schools' Financed Projects		\$43,250,528	

*Items in "Other" category are excluded from the reports on pages 156 – 165.

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 2015 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 is projected to respond to an additional 1,602 calls. A new station – Company 11 – is soon to be constructed to relieve some of the call volume at Company 1 and Company 4. Once the approved development is built-out and Company 11 is operating, capacity will be available at all stations except Company 4 and Company 6 which are projected to be 294 and 661 calls over the 2,500 call capacity, respectively.
- Currently, all but one of the 24 schools that are expected to be impacted as the previously approved residential developments are built-out have student capacity available. Upon build-out of the developments, fourteen of the schools are expected to be over capacity. However, County-wide approximately 500 elementary school seats are expected to be available; middle schools will be short by approximately 280 seats; and high schools will be short by approximately 460 seats.

Approved Development Inputs:

Development	Units Approved but Unbuilt	Future Students/Calls	Impacted Schools & F/R Stations			
			Elem.	Middle	High	F/R Station
Fawn Lake	606	346 / 216	Brock Rd.	Ni River	Riverbend	7
Estates of Chancellorsville	100	57 / 36	Chancellor	Ni River	Riverbend	5
Estates of Elys Ford	231	132 / 82	Chancellor	Ni River	Riverbend	5
Saw Hill	78	44 / 28	Wilderness	Ni River	Riverbend	5
Pelhams East	57	32 / 20	Lee Hill / Cedar Forest	Thornburg	Massaponax	4
Whitehall	86	49 / 31	Brock Rd.	Ni River	Riverbend	7
Tanglewood Estates	24	13 / 9	Riverview	Thornburg	Massaponax	8
Estates at Kingswood	35	20 / 12	Battlefield	Chancellor	Chancellor	6
Pamunkey Point	23	13 / 8	Livingston	Post Oak	Spotsylvania	9
Lee's Parke	681 + 227AR	389 / 282	Parkside	Spotsylvania	Courtland	1/4/8
Sunrise Bay	38	22 / 14	Livingston	Post Oaks	Spotsylvania	9
Regency at Chancellorsville	207AR	0 / 36	n/a	n/a	n/a	5
Glenhaven/River Glen	49	28 / 17	Chancellor	Chancellor	Riverbend	5
Reserve at Chancellorsville	122	69 / 43	Chancellor	Chancellor	Riverbend	5
Lafayette Crossing	38	23 / 11	Spotswood	Battlefield	Massaponax	4
Mallard Landing	144	84 / 41	Cedar Forest	Freedom	Massaponax	4
Spring Arbor	63AR	0 / 11	n/a	n/a	n/a	6
Summerfield	127	74 / 42	Spotswood	Battlefield	Chancellor	4
Cosner East Apt I	340	62 / 59	Riverview	Freedom	Massaponax	4
Keswick	480 + 184AR	182 / 153	R.E. Lee	Spotsylvania	Spotsylvania	1
Ni Village	937	237	Riverview	Spotsylvania	Massaponax	8

AR = age restricted units

Approved Development Inputs:

Development	Units Approved but Unbuilt	Future Students/Calls	Impacted Schools & F/R Stations			
			Elem.	Middle	High	F/R Station
Lakeside	100	59 / 28	Spotswood	Battlefield	Massaponax	4
Brooks	4	3 / 1	Cedar Forest	Freedom	Massaponax	4
Estates at Terry's Run	10	6 / 4	Livingston	Post Oak	Spotsylvania	9
Courthouse Village	1500 + 50AR	510 / 364	R.E. Lee/ Courtland	Spotsylvania	Courtland	1
Crossroads Station	610	112 / 106	Cedar Forest	Freedom	Massaponax	4
New Post	425	245 / 136	Cedar Forest	Freedom	Massaponax	4
Fortune's Landing	49	28 / 17	Wilderness	Ni River	Spotsylvania	1/5
Cosner East Apt II	274	51 / 48	Riverview	Thornburg	Massaponax	4
Villas at Harrison Crossing	130AR	0 / 23	n/a	n/a	n/a	5
Heritage Woods	1,060	537 / 331	Parkside	Spotsylvania	Courtland	1/8
Ni River Community Church	89	51 / 32	Courtland	Spotsylvania	Courtland	1
Southpoint Landing	830	152 / 145	Parkside	Thornburg	Massaponax	4
Benchmark	98	57 / 28	Lee Hill	Thornburg	Massaponax	4
Legends of Chancellorsville	218	124 / 78	Brock Rd,/ Chancellor	Ni River	Riverbend	5/7
Wheatland	98	57 / 28	Lee Hill	Thornburg	Massaponax	4
Thorburn Estates	59	34 / 21	Wilderness	Freedom	Riverbend	10
Total	10,481	3,902 / 2,718				

AR = age restricted units

Approved Development Impacts:

School	Capacity	2014 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Elementary					
Battlefield	833	658	9	667	166
Brock Road	907	720	213	933	-26
Cedar Forest	936	757	230	987	-51
Chancellor	455	401	157	558	-103
Courtland	789	539	148	687	102
Lee Hill	807	691	68	759	48
Livingston	504	421	18	439	65
Parkside	936	755	506	1,261	-325
Riverview	907	717	181	898	9
Robert E. Lee	585	506	214	720	-135
Spotswood	641	556	77	633	8
Wilderness	936	761	48	809	127
Countywide Elementary	13,233	10,862	1,869	12,730	503

Approved Development Impacts:

School	Capacity	2014 Enrollment	Anticipated New Students	Enroll. with New Students	Seats Avail w/New Students
Middle					
Battlefield	807	792	34	826	-19
Chancellor	857	813	27	840	17
Freedom	948	844	119	963	-15
Ni River	774	749	182	931	-157
Post Oak	948	765	9	774	174
Spotsylvania	907	780	426	1,206	-299
Thornburg	790	693	75	768	22
Countywide Middle	6,031	5,436	872	6,309	-278
High					
Chancellor	1,427	1,330	28	1,358	69
Courtland	1,265	1,176	452	1,628	-363
Massaponax	1,830	1,925	318	2,243	-413
Riverbend	1,995	1,942	288	2,230	-235
Spotsylvania	1,611	1,121	75	1,196	415
Countywide High	8,218	7,519	1,161	8,680	-462

Station	Capacity	2014 Call Volume	Anticipated New Calls	Total with New Calls	Capacity Available
1	2,500	1,713	816	2,529	-29
4	2,500	4,479	786	5,265	-2,765
5	2,500	1,293	313	1,606	894
6	2,500	3,138	23	3,161	-661
7	2,500	665	285	950	1,550
8	2,500	1,008	449	1,457	1,043
9	2,500	414	25	439	2,061
10	2,500	953	21	974	1,526

With about 500 seats available countywide, there appears to be adequate elementary school capacity available should these projections become reality. However, measures will need to be taken to alleviate the expected crowding in certain elementary schools such as Parkside, Robert E. Lee, and Chancellor.

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

Available Proffers & Use in FY 2016

State Code §15.2-2303.2 requires localities to include the amount of all proffered cash payments received during the most recent fiscal year for which a proffer report has been submitted to the State and show the amount of such payments projected to be used for expenditures in the ensuing year. Following is a listing of the cash proffers the County received

as of June 30, 2013; the proffers received and spent during FY 2014; and the proffers budgeted in FY 2015 and FY 2016.

Proffer Category	6/30/2013 Balance	Received FY 2014	Spent FY 2014	Budgeted Use FY 2015	Budgeted Use FY 2016
Fire/Rescue	\$4,321	\$50,204	-	-	174,622
Library	98,674	-	94,448	-	-
Recreation	83,792	(10,000)	-	-	-
Schools	520,519	-	377,608	74,316	-
Transportation	687,244	345,403	427,069	-	72,449
Gov't Facilities	45,500	2,092	-	-	24,824
Law Enforcement	7,581	741	8,322	-	-
Solid Waste	-	193	193	-	-
Planning Studies	16,600	-	(3,918)	-	-
PDR Program	423,867	160,000	-	-	-
Magnolia Harbor	5,007	-	-	-	-
Mill Creek	-	-	-	-	-
Pamunkey Point	52,416	-	-	-	-
Fawn Lake Tower	-	26,000	26,000	-	-
Lafayette Crossing	104,392	111,421	159,365	56,447	109,381
Lakeside	-	39,332	-	-	196,660
Mallard Landing	-	42,345	-	-	165,371
Total	\$2,049,913	\$767,731	\$1,089,087	\$130,763	\$743,307

Capital Projects Staffing

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

Department/Position	FY 2014	FY 2015	FY 2016
Capital Projects Management			
Administrative Assistant	0	1	2
Capital Projects Engineer	1	1	0
Facilities Project Manager	1	1	1
Office Assistant	1	0	0
TOTAL FTEs	3	3	3
TOTAL FTEs Capital Projects			
	3	3	3

FY 2016 – FY 2020 CIP Summary

The spreadsheets on the following pages summarize the projects included in the FY 2016 – FY 2020 CIP. The spreadsheets on pages 155 – 166 show the anticipated funding by fiscal year for each project. Funding sources are identified on pages 155 – 166 by the following codes:

Code	Description
B	Revenue Bonds - Utilities
B-GG	2005 Referendum – General Government
B-PS	2014 Referendum – Public Safety
B-S	2006/2014 Referenda – Schools
B-T	2005/2014 Referenda - Transportation
C	Cash
CR	Concession revenues
D	Donations
FRED	Fredericksburg share of certain Utilities projects
G	Grant
IE	Interest earnings
L	Lease-purchase financing
P	Proffer
S	State/Federal government
T	Transfer from Transportation Fund
T – CPF	Transfer from County Capital Projects Fund
U	Transfer from Utilities Fund

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2016 - FY 2020 CIP may be found beginning on page 167.

Spotsylvania County, Virginia
FY 2016 - FY 2020 Capital Improvement Plan
Project Summary By Fund

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2016 - FY 2020 Total
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General Government Projects:

General Government and Judicial Facilities	14,154,196	7,992,372	1,795,302	2,539,186	2,364,702	28,845,758
Solid Waste	3,019,500	3,090,050	720,000	679,000	963,000	8,471,550
Parks and Recreation	183,344	993,000	934,592	1,021,000	3,545,000	6,676,936
Fire and Rescue Services	2,824,228	2,960,818	4,702,546	2,863,788	2,341,662	15,693,042
General Government Total	20,181,268	15,036,240	8,152,440	7,102,974	9,214,364	59,687,286

Transportation Total	10,330,000	20,031,500	16,395,000	9,777,500	9,527,500	66,061,500
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Schools Total	18,629,525	22,996,199	39,342,381	16,684,599	14,217,841	111,870,545
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Utility Projects:

General Utility Projects	400,000	4,550,000	0	0	0	4,950,000
Water Projects	4,180,000	9,775,000	19,290,000	23,340,000	0	56,585,000
Sewer Projects	4,132,500	5,210,000	4,050,000	800,000	0	14,192,500
Utilities Total	8,712,500	19,535,000	23,340,000	24,140,000	0	75,727,500

CIP Total, All Funds	57,853,293	77,598,939	87,229,821	57,705,073	32,959,705	313,346,831
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
General Government and Judicial Facilities - Gov't Campus									
Judicial Center Renovation	1,464,726	B-GG, C, P	\$8,141,280	\$0	\$0	\$0	\$0	\$8,141,280	\$1,300,000
Renovate Former Sheriff's Office	125,392	B-GG, IE	\$1,253,918	\$0	\$0	\$0	\$0	\$1,253,918	\$0
Upgrades to Marshall Center	-	L	\$0	\$0	\$0	\$0	\$0	\$0	\$9,732,440
Subtotal - Campus Master Plan	1,590,118		\$9,395,198	\$0	\$0	\$0	\$0	\$9,395,198	\$11,032,440
Other General Government Facilities									
Facility Asset Management Program	on-going	C, U	\$0	\$1,078,273	\$1,245,302	\$2,039,186	\$1,864,702	\$6,227,463	\$0
Animal Shelter	130,000	B-PS	\$195,901	\$3,464,099	\$0	\$0	\$0	\$3,660,000	\$0
Subtotal - Other General Gov't Facilities	-		\$195,901	\$4,542,372	\$1,245,302	\$2,039,186	\$1,864,702	\$9,887,463	\$0
Information Technology									
Public Safety System Improvements:									
Computer Aided Dispatch System Replacement	250,000	B-PS, C	\$2,850,000	\$2,100,000	\$0	\$0	\$0	\$4,950,000	\$0
Citizen Alert/Notification System Replacement	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Next Generation 911 (NG911)	-	C	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$0
E-911 Portable Telephone System	-	C, G	\$132,192	\$0	\$0	\$0	\$0	\$132,192	\$0
Other System Improvements:									
Installation of an Enterprise-wide Fiber Network	1,526,206	C	\$720,000	\$0	\$0	\$0	\$0	\$720,000	\$0
UPS Replacements	150,000	C	\$0	\$50,000	\$50,000	\$0	\$0	\$100,000	\$0
Parks and Recreation System Upgrade	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Replacement Computers and Servers	on-going	C	\$397,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,397,000	\$0
Replacement of Treasurer's Legacy System	1,234,364	C	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
VoIP Telephony System Enhancements	-	C	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$0
State Income Tax Program Replacement	-	C	\$0	\$100,000	\$0	\$0	\$0	\$100,000	\$0
Replacement Voting Machines	-	C	\$313,905	\$0	\$0	\$0	\$0	\$313,905	\$0
Subtotal - Information Technology	3,160,570		\$4,563,097	\$3,450,000	\$550,000	\$500,000	\$500,000	\$9,563,097	\$0
TOTAL GENERAL GOV'T EXPENDITURES	4,750,688		\$14,154,196	\$7,992,372	\$1,795,302	\$2,539,186	\$2,364,702	\$28,845,758	\$11,032,440

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

GENERAL GOV'T REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$4,326,438	\$2,229,184	\$1,388,137	\$2,076,149	\$2,364,702	\$12,384,610	\$0
Grant		G	\$105,754	\$0	\$0	\$0	\$0	\$105,754	
Interest Earnings		IE	\$203,500	\$0	\$0	\$0	\$0	\$203,500	\$0
Proffers		P	\$496,236	\$0	\$0	\$0	\$0	\$496,236	\$0
Nov 2005 Bond Referendum - Gen. Gov't		B-GG	\$8,512,462	\$0	\$0	\$0	\$0	\$8,512,462	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$509,806	\$5,564,099	\$0	\$0	\$0	\$6,073,905	\$0
Lease - Purchase		L	\$0	\$0	\$0	\$0	\$0	\$0	\$11,032,440
Transfer from Utilities Fund		U	\$0	\$199,089	\$407,165	\$463,037	\$0	\$1,069,291	\$0
TOTAL GENERAL GOV'T REVENUES			\$14,154,196	\$7,992,372	\$1,795,302	\$2,539,186	\$2,364,702	\$28,845,758	\$11,032,440

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

SOLID WASTE EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
<i>SOLID WASTE - Construction/Closing of Landfill Cells & Facilities</i>									
Active Gas Collection System - Cells 3 & 4	-	C	\$0	\$0	\$200,000	\$0	\$0	\$200,000	\$0
Convenience Center Paving	on-going	C	\$105,000	\$30,000	\$30,000	\$30,000	\$30,000	\$225,000	\$0
Marshall Park Convenience Center Improvements	50,000	C	\$700,000	\$0	\$0	\$0	\$0	\$700,000	\$0
Livingston Landfill Development	79,200	C, L	\$0	\$2,011,000	\$90,000	\$229,000	\$143,000	\$2,473,000	\$11,549,600
Livingston Landfill Green Waste Composting	30,000	C	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000	\$0
Livingston Landfill Stormwater Improvements	-	C	\$125,000	\$0	\$0	\$0	\$0	\$125,000	\$0
Subtotal - Construction/Closing Cells & Facilities	159,200		\$1,230,000	\$2,341,000	\$320,000	\$259,000	\$173,000	\$4,323,000	\$11,549,600

SOLID WASTE - Equipment Replacement

Refuse Disposal Equip Replacement	on-going	C	\$324,500	\$290,000	\$100,000	\$80,000	\$30,000	\$824,500	on-going
Refuse Collection Equip Replacement	on-going	C	\$390,000	\$400,000	\$300,000	\$340,000	\$760,000	\$2,190,000	on-going
Single Stream Compactor Conversion	-	C	\$200,000	\$59,050	\$0	\$0	\$0	\$259,050	\$0
Landfill Utilization Improvement - Compactor	-	C	\$875,000	\$0	\$0	\$0	\$0	\$875,000	\$0
Subtotal - Solid Waste Equipment Replacement	-		\$1,789,500	\$749,050	\$400,000	\$420,000	\$790,000	\$4,148,550	\$0
TOTAL SOLID WASTE EXPENDITURES	159,200		\$3,019,500	\$3,090,050	\$720,000	\$679,000	\$963,000	\$8,471,550	\$11,549,600

SOLID WASTE REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$3,019,500	\$3,090,050	\$720,000	\$679,000	\$963,000	\$8,471,550	on-going
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	on-going
Lease-Purchase		L	\$0	\$0	\$0	\$0	\$0	\$0	\$11,549,600
TOTAL SOLID WASTE REVENUES			\$3,019,500	\$3,090,050	\$720,000	\$679,000	\$963,000	\$8,471,550	\$11,549,600

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2016 - FY 2020

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
<i>PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities</i>									
Hunting Run Park, Phase II	75,408	C	\$0	\$0	\$759,592	\$0	\$0	\$759,592	\$0
Belmont Passive Park	52,987	C	\$0	\$0	\$0	\$367,000	\$0	\$367,000	\$0
Livingston Community Center	-	C	\$0	\$0	\$0	\$0	\$525,000	\$525,000	\$0
Marshall Center Auditorium Upgrades	567,248	C, D	\$0	\$0	\$0	\$304,000	\$0	\$304,000	\$0
Marshall Park Upgrades	1,531	C	\$0	\$533,000	\$0	\$0	\$0	\$533,000	\$0
Ni River Park	3,061	C, CR, P	\$0	\$0	\$0	\$350,000	\$3,020,000	\$3,370,000	\$0
Patriot Park Field Lighting	487,236	C, CR, IE	\$0	\$460,000	\$0	\$0	\$0	\$460,000	\$0
Patriot Park Playground	-	C	\$0	\$0	\$175,000	\$0	\$0	\$175,000	\$0
Resurfacing of 7 Tennis Courts	-	C	\$57,040	\$0	\$0	\$0	\$0	\$57,040	\$0
Loniella Park Pool Repairs	-	C	\$126,304	\$0	\$0	\$0	\$0	\$126,304	\$0
TOTAL PARKS & REC EXPENDITURES	1,187,471		\$183,344	\$993,000	\$934,592	\$1,021,000	\$3,545,000	\$6,676,936	\$0

PARKS & RECREATION REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$183,344	\$783,700	\$934,592	\$1,000,700	\$3,245,000	\$6,147,336	\$0
Interest Earnings		IE	\$0	\$9,300	\$0	\$0	\$0	\$9,300	\$0
Concession Receipts		CR	\$0	\$200,000	\$0	\$0	\$300,000	\$500,000	\$0
Donations		D	\$0	\$0	\$0	\$5,300	\$0	\$5,300	\$0
Proffers		P	\$0	\$0	\$0	\$15,000	\$0	\$15,000	\$0
TOTAL PARKS & REC REVENUES			\$183,344	\$993,000	\$934,592	\$1,021,000	\$3,545,000	\$6,676,936	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

FIRE & RESCUE SERVICES EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
<i>FIRE/RESCUE SERVICES - Construction Projects</i>									
Fire Training Center - Classrooms and Concrete Apron	-	C, P	\$0	\$250,000	\$1,000,000	\$0	\$0	\$1,250,000	\$0
Subtotal Fire/Rescue construction	-		\$0	\$250,000	\$1,000,000	\$0	\$0	\$1,250,000	\$0
<i>FIRE/RESCUE SERVICES - Equipment</i>									
Replacement Fire Equipment	\$1,000,000/on-going	B-PS, C, IE, P	\$1,848,388	\$2,007,176	\$3,190,346	\$2,316,154	\$1,849,176	\$11,211,240	\$0
Replacement EMS Equipment	on-going	C	\$810,340	\$638,142	\$446,700	\$469,034	\$492,486	\$2,856,702	\$0
CPR Delivery Devices	13,508	C	\$65,500	\$65,500	\$65,500	\$78,600	\$0	\$275,100	\$0
Emissions Extraction Systems	-	C	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Subtotal Fire/Rescue equipment	1,013,508		\$2,824,228	\$2,710,818	\$3,702,546	\$2,863,788	\$2,341,662	\$14,443,042	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	1,013,508		\$2,824,228	\$2,960,818	\$4,702,546	\$2,863,788	\$2,341,662	\$15,693,042	\$0

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$2,345,840	\$2,886,029	\$4,702,546	\$2,863,788	\$2,341,662	\$15,139,865	\$0
Interest Earnings		IE	\$15,680	\$0	\$0	\$0	\$0	\$15,680	\$0
Proffers		P	\$174,622	\$74,789	\$0	\$0	\$0	\$249,411	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$288,086	\$0	\$0	\$0	\$0	\$288,086	\$0
TOTAL FIRE/RESCUE SVCS REVENUES			\$2,824,228	\$2,960,818	\$4,702,546	\$2,863,788	\$2,341,662	\$15,693,042	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2016 - FY 2020

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
TRANSPORTATION									
Unpaved Roads (identified "Fair")	2,503,927	B-T, IE	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Hickory Ridge/Rt 1 Intersection	800,000	B-T	\$0	\$1,145,000	\$0	\$0	\$0	\$1,145,000	\$0
Improvements at Exit 118	3,400,000	B-T	\$0	\$2,275,000	\$5,500,000	\$0	\$0	\$7,775,000	\$0
Improvements at Exit 126	200,000	B-T	\$5,000,000	\$12,500,000	\$10,875,000	\$4,000,000	\$3,750,000	\$36,125,000	\$0
Harrison Road Widening - Old Plank to Gordon	-	B-T, P	\$2,450,000	\$0	\$0	\$0	\$0	\$2,450,000	\$0
Thornton Rolling Intersection Improvements	-	B-T	\$500,000	\$587,500	\$0	\$0	\$0	\$1,087,500	\$0
Grand Brooks Road Resurfacing	-	B-T, P	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$0
Relocation of Elys Ford & Rt 3 Intersection	-	B-T	\$500,000	\$3,504,000	\$0	\$0	\$0	\$4,004,000	\$0
Corridor Study - Rt 1 & Rt 208	-	B-T, S	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500	\$0
Corridor Study - Rt 2 & Rt 17	-	B-T, S	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500	\$0
General Engineering Consultant	on-going	T	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000	\$0
TOTAL TRANSPORTATION EXPENDITURES	6,903,927		\$10,330,000	\$20,031,500	\$16,395,000	\$9,777,500	\$9,527,500	\$66,061,500	\$0

TRANSPORTATION REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$0	\$0	\$0	\$3,000,000	\$900,000	\$3,900,000	\$0
Proffers		P	\$72,449	\$0	\$0	\$0	\$0	\$72,449	\$0
Interest Earnings		IE	\$22,000	\$0	\$0	\$0	\$0	\$22,000	\$0
Nov 2005/2014 Bond Referendum		B-T	\$9,855,551	\$20,011,500	\$16,375,000	\$6,757,500	\$8,607,500	\$61,607,051	\$0
Reimbursement/aide from State/Federal gov't		S	\$380,000	\$0	\$0	\$0	\$0	\$380,000	\$0
Transfer from Transportation Fund		T	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000	\$0
TOTAL TRANSPORTATION REVENUES			\$10,330,000	\$20,031,500	\$16,395,000	\$9,777,500	\$9,527,500	\$66,061,500	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2016 - FY 2020

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
SCHOOL - MAJOR CONSTRUCTION CAPITAL PROJECTS									
Renovate & Expand Courtland High School	-		\$0	\$0	\$20,975,000	\$0	\$0	\$20,975,000	\$0
Subtotal - School Construction	-		\$0	\$0	\$20,975,000	\$0	\$0	\$20,975,000	\$0
SCHOOL MINOR CONSTRUCTION or NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B-S	\$4,382,228	\$4,304,190	\$4,147,180	\$4,225,545	\$3,721,306	\$20,780,449	\$0
Capital Maintenance	on-going	B-S, B-S	\$8,708,490	\$8,897,675	\$9,731,261	\$8,826,470	\$7,969,855	\$44,133,751	\$0
Technology Replacements/Upgrades	on-going	B-S, B-S	\$5,538,807	\$9,794,334	\$4,488,940	\$3,632,584	\$2,526,680	\$25,981,345	\$0
Subtotal - School Non-Construction	-		\$18,629,525	\$22,996,199	\$18,367,381	\$16,684,599	\$14,217,841	\$90,895,545	\$0
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	-		\$18,629,525	\$22,996,199	\$39,342,381	\$16,684,599	\$14,217,841	\$111,870,545	\$0

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Proffers		P	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transfer from County Capital Projects		T - CPF	\$3,749,749	\$0	\$0	\$0	\$0	\$3,749,749	\$0
Nov 2006/2014 School Bond Referenda		B-S	\$14,879,776	\$22,996,199	\$39,342,381	\$16,684,599	\$14,217,841	\$108,120,796	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			\$18,629,525	\$22,996,199	\$39,342,381	\$16,684,599	\$14,217,841	\$111,870,545	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
General Utilities Projects									
Utility Lab/Office Expansion	1,000,000		\$250,000	\$4,250,000	\$0	\$0	\$0	\$0	\$0
Security Improvements	881,599		\$0	\$100,000	\$0	\$0	\$0	\$0	\$0
Manhole Rehabilitation Program	100,000		\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
System Improvement Opportunities with Developers	2,143,962		\$100,000	\$200,000	\$0	\$0	\$0	\$0	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	4,125,561		\$400,000	\$4,550,000	\$0	\$0	\$0	\$4,950,000	\$0

Water Projects

Motts Run Water Treatment Plant Expansion	400,000		\$100,000	\$900,000	\$0	\$0	\$0	\$0	\$0
Rt. 1/ Rt. 606 Waterline Improvements	840,000		\$130,000	\$0	\$0	\$0	\$0	\$0	\$0
Ni River Water Treatment Plant Improvements	12,200,037		\$2,400,000	\$4,000,000	\$5,740,000	\$12,740,000	\$0	\$24,880,000	\$0
Thornburg Water Transmission Facilities Improvements	2,860,491		\$0	\$1,000,000	\$2,600,000	\$600,000	\$0	\$4,200,000	\$0
New Post Water Transmission Facilities	1,286,000		\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0
Tank Maintenance	on-going		\$0	\$375,000	\$0	\$0	\$0	\$375,000	\$0
Loren Drive/Harrison Rd (formerly known as Falcon Drive Extension)	-		\$0	\$0	\$400,000	\$0	\$0	\$400,000	\$0
Connect Hunting Run & Ni River for Future Water Source	427,842		\$750,000	\$750,000	\$7,500,000	\$7,500,000	\$0	\$16,500,000	\$0
16" Waterline - Andora Dr. to Sawhill	75,000		\$0	\$0	\$500,000	\$2,500,000	\$0	\$3,000,000	\$0
Water Meter Replacement Program	665,000		\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0
Brock Road 16" Waterline	185,000		\$0	\$350,000	\$350,000	\$0	\$0	\$700,000	\$0
Rappahannock Raw Water PS Improvements	-		\$0	\$1,250,000	\$0	\$0	\$0	\$1,250,000	\$0
Salem Church to Leavells 16" Waterline	50,000		\$0	\$0	\$500,000	\$0	\$0	\$500,000	\$0
Old Greenwich 2" Line Upgrade	-		\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
Rt 606 East of I-95 Improvements	-		\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0
Harrison Road/Rt 1 Waterline Improvements	-		\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$0
Spotswood 2" Line Upgrade	-		\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
12" Line Replacements	-		\$0	\$0	\$700,000	\$0	\$0	\$700,000	\$0
Waverly Village 2" Line Upgrade	-		\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
SUBTOTAL WATER PROJECTS	18,989,370		4,180,000	9,775,000	19,290,000	23,340,000	-	\$56,585,000	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Sewer Projects									
Phase II - I-95 to Woodland Drive	203,603		\$0	\$400,000	\$400,000	\$0	\$0	\$800,000	\$0
Elimination of Pump Stations 3 & 6	-		\$70,000	\$350,000	\$0	\$0	\$0	\$420,000	\$0
Old Greenwich Sewer Replacement	1,385,957		\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
Fawn Lake Pump Stations 27 & 58	-		\$500,000	\$500,000	\$0	\$0	\$0	\$1,000,000	\$0
Maple Grove Rehab	730,000		\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0
Wastewater Collection Extensions to Existing Developments	2,132,747		\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Waverly Village Rehab	-		\$615,000	\$0	\$0	\$0	\$0	\$615,000	\$0
Thornburg Wastewater Transmission Improvements	1,599,586		\$0	\$1,900,000	\$1,900,000	\$0	\$0	\$3,800,000	\$0
FMC Infrastructure Improvements	4,663,994		\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$0
Piedmont Drive - PS 43 & 16 Abandonment	50,000		\$0	\$0	\$250,000	\$0	\$0	\$250,000	\$0
PS 24	450,000		\$0	\$750,000	\$950,000	\$800,000	\$0	\$2,500,000	\$0
Lafayette Crossing PS Abandonment	-		\$0	\$300,000	\$100,000	\$0	\$0	\$400,000	\$0
Poole Drive Replacement	-		\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Rt 1/Harrison Rd 16" FM Realignment	-		\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$0
Replacement Equipment - Field Services	on-going		\$580,000	\$110,000	\$450,000	\$0	\$0	\$1,140,000	\$0
Replacement Equipment - WWTPs	on-going		\$180,000	\$0	\$0	\$0	\$0	\$180,000	\$0
Replacement Equipment - Composting	on-going		\$637,500	\$150,000	\$0	\$0	\$0	\$787,500	\$0
SUBTOTAL SEWER PROJECTS	11,215,887		\$4,132,500	\$5,210,000	\$4,050,000	\$800,000	\$0	\$14,192,500	\$0
TOTAL UTILITIES EXPENDITURES	34,330,818		8,712,500	19,535,000	23,340,000	24,140,000	0	\$75,727,500	0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

UTILITIES REVENUES

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$8,142,828	\$2,000,000	\$1,000,000	\$1,000,000	\$0	\$12,142,828	
Fredericksburg Share of Certain Projects		FRED	\$569,672	\$16,394	\$0	\$0	\$0	\$586,066	\$0
Revenue Bonds		B	\$0	\$17,518,607	\$22,340,000	\$23,140,000	\$0	\$62,998,607	
TOTAL UTILITIES REVENUES			\$8,712,500	\$19,535,000	\$23,340,000	\$24,140,000	\$0	\$75,727,500	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2016 - FY 2020**

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
TOTAL FY 2016 - FY 2020 CIP			\$57,853,293	\$77,598,939	\$87,229,821	\$57,705,073	\$32,959,705	\$313,346,831	\$22,582,040

CIP REVENUE SUMMARY

	Total Budget through FY 2015	Funding Source	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total FY 16 - FY 20	Costs beyond FY 2020
Cash		C	\$18,017,950	\$10,988,963	\$8,745,275	\$10,619,637	\$9,814,364	\$58,186,199	\$0
Grant		G	\$105,754	\$0	\$0	\$0	\$0	\$105,754	\$0
Interest Earnings		IE	\$241,180	\$9,300	\$0	\$0	\$0	\$250,480	\$0
Fredericksburg Share of Certain Projects		FRED	\$569,672	\$16,394	\$0	\$0	\$0	\$586,066	\$0
Concession Receipts		CR	\$0	\$200,000	\$0	\$0	\$300,000	\$500,000	\$0
Donations		D	\$0	\$0	\$0	\$5,300	\$0	\$5,300	\$0
Proffers		P	\$743,307	\$74,769	\$0	\$15,000	\$0	\$833,096	\$0
Nov 2005 Bond Referendum - Gen. Gov't		B-GG	\$8,512,462	\$0	\$0	\$0	\$0	\$8,512,462	\$0
Nov 2014 Bond Referendum - Public Safety		B-PS	\$797,892	\$5,564,099	\$0	\$0	\$0	\$6,361,991	\$0
Nov 2006/2014 Bond Referenda - Schools		B-S	\$14,879,776	\$22,996,199	\$39,342,381	\$16,684,599	\$14,217,841	\$108,120,796	\$0
Nov 2005/2014 Bond Referenda - Transport.		B-T	\$9,855,551	\$20,011,500	\$16,375,000	\$6,757,500	\$8,607,500	\$61,607,051	\$0
Revenue Bonds - Utilities		B	\$0	\$17,518,607	\$22,340,000	\$23,140,000	\$0	\$62,998,607	\$0
Lease - Purchase		L	\$0	\$0	\$0	\$0	\$0	\$0	\$22,582,040
Transfer from Transportation Fund		T	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000	\$0
Transfer from County Capital Projects		T - CPF	\$3,749,749	\$0	\$0	\$0	\$0	\$3,749,749	\$0
Transfer from Utilities Fund		U	\$0	\$199,089	\$407,165	\$463,037	\$0	\$1,069,291	\$0
Reimbursement/aid from State/Federal gov't		S	\$380,000	\$0	\$0	\$0	\$0	\$380,000	\$0
TOTAL FY 2016 - FY 2020 CIP			\$57,853,293	\$77,598,939	\$87,229,821	\$57,705,073	\$32,959,705	\$313,346,831	\$22,582,040

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

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:

\$9,606,006

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$1,464,726

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$496,236	\$0	\$0	\$0	\$0	\$496,236
General Obligation Bonds	\$7,462,044	\$0	\$0	\$0	\$0	\$7,462,044
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	\$183,000	\$0	\$0	\$0	\$0	\$183,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$8,141,280	\$0	\$0	\$0	\$0	\$8,141,280

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$8,141,280	\$0	\$0	\$0	\$0	\$8,141,280
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$8,141,280	\$0	\$0	\$0	\$0	\$8,141,280

Estimated Add'l Operational Costs

- Debt service	\$652,929	\$638,938	\$624,946	\$610,955	\$596,964	\$3,124,732
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$652,929	\$638,938	\$624,946	\$610,955	\$596,964	\$3,124,732

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Renovate Sheriff's Office former location

PROJECT CONTACT/PHONE #:

Ed Petrovitch, 540-507-7300

PROJECT LOCATION:

Renovate Sheriff's Office former location at Spotsylvania Courthouse.
(Photo credit: Google Earth)



PROJECT DESCRIPTION:

After move of Sheriff's Office to new Public Safety Building, renovate Sheriff's Office former office space. The space needs study finalized in FY 2013 recommended that this facility house the County museum and museum collections, and the Visitors Center. The basement was recommended for use as the E911 Training Center and for storage space to be used by Fire/Rescue and the Sheriff's Office.

PROJECT OBJECTIVE:

As a result of this renovation and a move to the renovated space, certain currently crowded departments will be relieved of overcrowding. Additionally, over the next 20 years, the County's population and County staffing is expected to continue to grow. A space needs study was recently completed to determine the recommended use of this space. The space needs study is focused on space needs in the courthouse area through the year 2032. A refined scope of work and an updated cost estimate will be developed once the occupant and space uses have been identified.

TOTAL CAPITAL PROJECT COST:

\$1,379,310

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$125,392

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$1,050,418	\$0	\$0	\$0	\$0	\$1,050,418
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)	\$203,500	\$0	\$0	\$0	\$0	\$203,500
Total Projected/Requested Funding	\$1,253,918	\$0	\$0	\$0	\$0	\$1,253,918

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$1,253,918	\$0	\$0	\$0	\$0	\$1,253,918
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$1,253,918	\$0	\$0	\$0	\$0	\$1,253,918

Estimated Add'l Operational Costs

- Debt service	\$91,912	\$89,942	\$87,973	\$86,003	\$84,033	\$439,863
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$91,912	\$89,942	\$87,973	\$86,003	\$84,033	\$439,863

DEPARTMENT: **General Services**
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: \$6,227,463

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$879,184	\$838,137	\$1,576,149	\$1,864,702	\$5,158,172
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Transfer from Utilities)	\$0	\$199,089	\$407,165	\$463,037	\$0	\$1,069,291
Total Projected/Requested Funding	\$0	\$1,078,273	\$1,245,302	\$2,039,186	\$1,864,702	\$6,227,463

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$1,078,273	\$1,245,302	\$2,039,186	\$1,864,702	\$6,227,463
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$1,078,273	\$1,245,302	\$2,039,186	\$1,864,702	\$6,227,463

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					
PROJECT NAME:	Construction of a New or Renovated Animal Shelter					
PROJECT CONTACT/PHONE #:	Ed Petrovitch, 540-507-7300					
PROJECT LOCATION:	If renovation of the existing shelter occurs, the location is 450 TV Drive. If a new shelter is constructed, the location is to be determined.					
PROJECT DESCRIPTION:	Construction of a new or remodeled, larger animal shelter to house for adoption more animals and reduce the number of animals being euthanized.					
PROJECT OBJECTIVE:	Because of the shelter's "no kill" status, animals are being housed for longer terms than was previously the case. Even prior to the "no kill" status, the existing shelter was not large enough to sufficiently accommodate the volume of animals coming to the shelter and is not located in a visible area. A new/remodeled shelter is expected to provide space for 115 dogs and 125 cats to meet 20-year anticipated growth projections, a fenced area to allow dogs to run at full stride, and will be constructed in a visible location in an effort to gain a higher rate of adoptions.					
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:	\$130,000					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
Financing/Funding Methods:						
Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$195,901	\$3,464,099	\$0	\$0	\$0	\$3,660,000
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	\$195,901	\$3,464,099	\$0	\$0	\$0	\$3,660,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$195,901	\$0	\$0	\$0	\$0	\$195,901
Construction	\$0	\$3,464,099	\$0	\$0	\$0	\$3,464,099
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$195,901	\$3,464,099	\$0	\$0	\$0	\$3,660,000
Estimated Add'l Operational Costs						
- Debt service	\$17,141	\$354,524	\$345,929	\$337,335	\$328,740	\$1,383,669
- Utilities, insurance, maintenance	Assume same as existing shelter - no net new costs					
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$17,141	\$354,524	\$345,929	\$337,335	\$328,740	\$1,383,669

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: \$250,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$313,905	\$2,100,000	\$0	\$0	\$0	\$2,413,905
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	\$2,536,095	\$0	\$0	\$0	\$0	\$2,536,095
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$2,850,000	\$2,100,000	\$0	\$0	\$0	\$4,950,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services		\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$2,850,000	\$2,100,000	\$0	\$0	\$0	\$4,950,000
Total Projected Capital Expenditures	\$2,850,000	\$2,100,000	\$0	\$0	\$0	\$4,950,000

Estimated Add'l Operational Costs

- Debt service	\$51,122	\$413,225	\$403,328	\$393,431	\$383,534	\$1,644,640
- Utilities, insurance, maintenance	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$51,122	\$513,225	\$503,328	\$493,431	\$483,534	\$2,044,640

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 fo 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 2017 - FY 2018	
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$150,000	\$0	\$0	\$0	\$150,000
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	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000

DEPARTMENT: Information Services
PROJECT NAME: Next Generation 911 (NG911)
PROJECT CONTACT/PHONE #: Brian Robinson, 507-7563
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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$200,000	\$0	\$0	\$0	\$200,000
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	\$5,000	\$7,000	\$7,500	\$7,500	\$27,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$5,000	\$7,000	\$7,500	\$7,500	\$27,000

DEPARTMENT: Sheriff's Office
PROJECT NAME: E911 Portable Telephone System
PROJECT CONTACT/PHONE #: Becky Skebo, 507-7178
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: This project will purchase four Command Posts providing a portable telephone system that duplicates the current 911 telephone system which includes 911 wireless calls, 911 landline calls, and non-emergency administrative lines. It is a laptop computer system that needs to be plugged into power and network lines in order to provide emergency response services from literally any location.

PROJECT OBJECTIVE: This type of system supports a quick and easy set-up of a remote answering system in the event of a call center evacuation, special event emergency, and/or disaster recovery management.

TOTAL CAPITAL PROJECT COST:

\$0

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$105,754	\$0	\$0	\$0	\$0	\$105,754
Lease Purchase	\$0	\$0	\$0	\$0	\$0	\$0
Federal Aid	\$0	\$0	\$0	\$0	\$0	\$0
General Revenue	\$26,438	\$0	\$0	\$0	\$0	\$26,438
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$132,192	\$0	\$0	\$0	\$0	\$132,192

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: **Information Services**
 PROJECT NAME: **Enterprise-Wide Fiber Network**
 PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
 PROJECT LOCATION: N/A

PROJECT DESCRIPTION: Installation of an enterprise-wide fiber network.

 PROJECT OBJECTIVE: Run fiber connectivity strategically throughout County, collaborating with the Schools' fiber network which is expected to reduce monthly recurring costs for network connectivity, reduce network infrastructure duplication by collaboration with schools network infrastructure, and create redundancy for connectivity.

TOTAL CAPITAL PROJECT COST: \$2,246,206

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	N/A	N/A	FY 2012 - FY 2016

PRIOR YEAR BUDGETS: \$1,526,206
 COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$720,000	\$0	\$0	\$0	\$0	\$720,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$720,000	\$0	\$0	\$0	\$0	\$720,000
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	\$720,000	\$0	\$0	\$0	\$0	\$720,000
Total Projected Capital Expenditures	\$720,000	\$0	\$0	\$0	\$0	\$720,000

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: UPS Upgrades
PROJECT CONTACT/PHONE #: Jane Reeve, 507-7552
PROJECT LOCATION: Multiple sites - Marshall Center and radio tower sites

PROJECT DESCRIPTION: A replacement cycle for the County's Uninterruptible Power Supplies (UPS) in the primary network operations center, the E911 network operations center, the old Sheriff's Office, Fire/Rescue stations, the Judicial Center, and the Marshall Center.

PROJECT OBJECTIVE: The existing UPS' throughout each of these locations support a wide variety of core County functions, such as public safety communications, E911 dispatch, financial applications, and core network infrastructure systems, such as email, internet, telephones, etc. The purpose of this request is to budget replacement funding each fiscal year to initiate a 5-6 year replacement cycle on a rotating basis.

TOTAL CAPITAL PROJECT COST: \$250,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation
	N/A	N/A	FY 2014 - FY 2018

PRIOR YEAR BUDGETS: \$150,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$50,000	\$50,000	\$0	\$0	\$100,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$50,000	\$50,000	\$0	\$0	\$100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$50,000	\$50,000	\$0	\$0	\$100,000
Total Projected Capital Expenditures	\$0	\$50,000	\$50,000	\$0	\$0	\$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

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 2017

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$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	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$150,000	\$0	\$0	\$0	\$150,000
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	\$15,000	\$15,000	\$15,000	\$45,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$15,000	\$15,000	\$15,000	\$45,000

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: \$2,397,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$397,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,397,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$397,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,397,000

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	\$397,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,397,000
Total Projected Capital Expenditures	\$397,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,397,000

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: \$1,384,364

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

PRIOR YEAR BUDGETS: \$1,234,364

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures					
FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$150,000	\$0	\$0	\$0	\$0	\$150,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$20,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$200,000	\$0	\$0	\$0	\$200,000
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	\$7,500	\$7,500	\$10,000	\$10,000	\$35,000
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$7,500	\$7,500	\$10,000	\$10,000	\$35,000

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 2017

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

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$100,000	\$0	\$0	\$0	\$100,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$100,000	\$0	\$0	\$0	\$100,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$0	\$100,000	\$0	\$0	\$0	\$100,000
Total Projected Capital Expenditures	\$0	\$100,000	\$0	\$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: Registrar
PROJECT NAME: Replacement Voting Machines
PROJECT CONTACT/PHONE #: Kellie Acors, 507-7382
PROJECT LOCATION: N/A

PROJECT DESCRIPTION: State law requires all localities to replace direct-recording electronic voting machines and any other non-qualifying voting equipment with equipment approved by the State Board of Elections.

PROJECT OBJECTIVE: This project will purchase 31 new digital scan voting machines to replace existing machines to comply with State law.

TOTAL CAPITAL PROJECT COST: \$313,905

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$310,905	\$0	\$0	\$0	\$0	\$310,905
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$310,905	\$0	\$0	\$0	\$0	\$310,905

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	\$313,905	\$0	\$0	\$0	\$0	\$313,905
Total Projected Capital Expenditures	\$313,905	\$0	\$0	\$0	\$0	\$313,905

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: 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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$200,000	\$0	\$0	\$200,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$200,000	\$0	\$0	\$200,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$200,000	\$0	\$0	\$200,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$200,000	\$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: \$30,000 each year for paving repairs at various sites. \$75,000 in FY 2016 to provide repair overall at Chancellor and finish paving expansion of the mulch area to help allow better traffic flow.

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

TOTAL CAPITAL PROJECT COST: \$225,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$105,000	\$30,000	\$30,000	\$30,000	\$30,000	\$225,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$105,000	\$30,000	\$30,000	\$30,000	\$30,000	\$225,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$105,000	\$30,000	\$30,000	\$30,000	\$30,000	\$225,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$105,000	\$30,000	\$30,000	\$30,000	\$30,000	\$225,000

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: **Marshall Park Convenience Center Improvements**

PROJECT CONTACT/PHONE #: Benjamin L. Loveday, 540-507-7307

PROJECT LOCATION: Existing Marshall Park Convenience Center located on Massaponax Church Road.



PROJECT DESCRIPTION: Expansion of the existing Marshall Park Convenience Center from a six yard front load site to a below grade compactor site.

PROJECT OBJECTIVE: Development in the Courthouse Area of Spotsylvania County has created the need to begin planning expansions to the Marshall Park Convenience Center. In order to accommodate future growth in the area it is being recommended to convert the site to a below grade compactor site to ensure long term efficient refuse collection at the site. Site would accept all residential waste, tires, oil, antifreeze, latex paint, metal, etc. This would be a level of service increase for this area.

TOTAL CAPITAL PROJECT COST: \$750,000

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

PRIOR YEAR BUDGETS: \$50,000

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$700,000	\$0	\$0	\$0	\$0	\$700,000

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	\$700,000	\$0	\$0	\$0	\$0	\$700,000
Total Projected Capital Expenditures	\$700,000	\$0	\$0	\$0	\$0	\$700,000

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:

\$2,552,200

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

	Planning & Design	Property Acquisition	Construction/Implementation
FY 2015 - FY 2016		N/A	FY 2017 - FY 2025

PRIOR YEAR BUDGETS:

\$79,200

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$2,011,000	\$90,000	\$229,000	\$143,000	\$2,473,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$2,011,000	\$90,000	\$229,000	\$143,000	\$2,473,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$90,000	\$229,000	\$75,000	\$394,000
Construction	\$0	\$2,011,000	\$0	\$0	\$68,000	\$2,079,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,011,000	\$90,000	\$229,000	\$143,000	\$2,473,000

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 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:	\$630,000						
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
Planning & Design	Property Acquisition	Construction/Implementation					
FY 2015	N/A	FY 2016 - FY 2017					
PRIOR YEAR BUDGETS:	\$30,000						
COSTS PROJECTED BEYOND CIP PERIOD:	\$0						
Projected Project Revenues & Expenditures							
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000	
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0	
Other ()	\$0	\$0	\$0	\$0	\$0	\$0	
Total Projected/Requested Funding	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000	
Projected Capital Expenditures:							
Land	\$0	\$0	\$0	\$0	\$0	\$0	
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0	
Construction	\$250,000	\$0	\$0	\$0	\$0	\$250,000	
Vehicles & Equipment	\$50,000	\$300,000	\$0	\$0	\$0	\$350,000	
Total Projected Capital Expenditures	\$300,000	\$300,000	\$0	\$0	\$0	\$600,000	
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:	Livingston Landfill Stormwater Improvements					
PROJECT CONTACT/PHONE #:	Benjamin Loveday 540-507-7307					
PROJECT LOCATION:	All improvements are to be located at the Livingston Landfill at 6241 Massey Road, Spotsylvania, VA 22553					
PROJECT DESCRIPTION:	1. New latex paint/alternative daily cover storage building: \$60,000 2. New oil/fluids storage building: \$20,000 3. Oil waste seperator for Livingston shop: \$20,000 4. Additional stormwater pond installation: \$25,000					
PROJECT OBJECTIVE:	This project is designed to meet stormwater concerns at the Livingston Landfill in order to maintain compliance with the facility 2015 Stormwater permit.					
TOTAL CAPITAL PROJECT COST:	\$125,000					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design	Property Acquisition	Construction/Implementation			
	FY 2016	N/A	FY 2016			
PRIOR YEAR BUDGETS:	\$0					
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
Projected Project Revenues & Expenditures						
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$125,000	\$0	\$0	\$0	\$0	\$125,000
Estimated Add'l Operational Costs						
- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$5,207	\$5,484	\$5,777	\$6,086	\$22,554
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$5,207	\$5,484	\$5,777	\$6,086	\$22,554

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 begin accepted at the facility.

TOTAL CAPITAL PROJECT COST: \$824,500

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$324,500	\$290,000	\$100,000	\$80,000	\$30,000	\$824,500
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (interest earnings)	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$324,500	\$290,000	\$100,000	\$80,000	\$30,000	\$824,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$324,500	\$290,000	\$100,000	\$80,000	\$30,000	\$824,500
Total Projected Capital Expenditures	\$324,500	\$290,000	\$100,000	\$80,000	\$30,000	\$824,500

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:

\$2,190,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$390,000	\$400,000	\$300,000	\$340,000	\$760,000	\$2,190,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$390,000	\$400,000	\$300,000	\$340,000	\$760,000	\$2,190,000

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	\$390,000	\$400,000	\$300,000	\$340,000	\$760,000	\$2,190,000
Total Projected Capital Expenditures	\$390,000	\$400,000	\$300,000	\$340,000	\$760,000	\$2,190,000

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, Chewing Park, Cole Hill Creek and Berkley. 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:

\$350,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$59,050	\$0	\$0	\$0	\$259,050
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$200,000	\$59,050	\$0	\$0	\$0	\$259,050

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	\$200,000	\$59,050	\$0	\$0	\$0	\$259,050
Total Projected Capital Expenditures	\$200,000	\$59,050	\$0	\$0	\$0	\$259,050

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: Utilities/Public Works
PROJECT NAME: Livingston Utilitization Improvement - Compactor
PROJECT CONTACT/PHONE #: Benjamin Loveday 540-507-7307
PROJECT LOCATION: All improvements are to be located at the Livingston Landfill at 6241 Massey Road, Spotsylvania, VA 22553

PROJECT DESCRIPTION: The basic concept of a landfill is to fill a facility's permitted airspace with as much waste as possible and avoid placement of excess dirt and areas of unsuitable compaction. The more compaction achieved, the more life a facility will have and the more revenue can be derived from the original capital investment. This is referred to as a landfill's utilization factor.

PROJECT OBJECTIVE: Increase landfill utilization factor by implementation of a GPS-enabled, larger refuse compactor. Estimated return on investment is over 500% - allowing over \$4.8 million to be derived from the original capital investment over the current utilization rate.

TOTAL CAPITAL PROJECT COST:

\$875,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$0

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$875,000	\$0	\$0	\$0	\$0	\$875,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$875,000	\$0	\$0	\$0	\$0	\$875,000

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	\$875,000	\$0	\$0	\$0	\$0	\$875,000
Total Projected Capital Expenditures	\$875,000	\$0	\$0	\$0	\$0	\$875,000

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:

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:

\$835,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$759,592	\$0	\$0	\$759,592
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$759,592	\$0	\$0	\$759,592

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$759,592	\$0	\$0	\$759,592
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$759,592	\$0	\$0	\$759,592

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$17,625	\$18,403	\$36,028
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$17,625	\$18,403	\$36,028

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:

\$419,987

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$52,987

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$367,000	\$0	\$367,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$367,000	\$0	\$367,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$10,490	\$11,015	\$21,505
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$10,490	\$11,015	\$21,505

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:

\$525,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$0	\$525,000	\$525,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$0	\$0	\$525,000	\$525,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$18,063	\$18,063
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$18,063	\$18,063

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$298,700	\$0	\$298,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Donations)	\$0	\$0	\$0	\$5,300	\$0	\$5,300
Total Projected/Requested Funding	\$0	\$0	\$0	\$304,000	\$0	\$304,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

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

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: \$534,531

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$533,000	\$0	\$0	\$0	\$533,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$533,000	\$0	\$0	\$0	\$533,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$90,000	\$0	\$0	\$0	\$90,000
Construction	\$0	\$443,000	\$0	\$0	\$0	\$443,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$533,000	\$0	\$0	\$0	\$533,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$14,261	\$14,689	\$15,130	\$44,080
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$14,261	\$14,689	\$15,130	\$44,080

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 2018	County owns land	FY 2019

PRIOR YEAR BUDGETS:

\$3,061

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$15,000	\$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	\$0	\$335,000	\$2,720,000	\$3,055,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Concession Receipts)	\$0	\$0	\$0	\$0	\$300,000	\$300,000
Total Projected/Requested Funding	\$0	\$0	\$0	\$350,000	\$3,020,000	\$3,370,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$71,276	\$71,276
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$0	\$71,276	\$71,276

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$250,700	\$0	\$0	\$0	\$250,700
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Concession Receipts & Interest Earnings)	\$0	\$209,300	\$0	\$0	\$0	\$209,300
Total Projected/Requested Funding	\$0	\$460,000	\$0	\$0	\$0	\$460,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$7,384	\$7,753	\$8,140	\$23,277
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$7,384	\$7,753	\$8,140	\$23,277

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: \$175,000

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$175,000	\$0	\$0	\$175,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$0	\$175,000	\$0	\$0	\$175,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$175,000	\$0	\$0	\$175,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$0	\$175,000	\$0	\$0	\$175,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$3,087	\$3,241	\$6,328
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$3,087	\$3,241	\$6,328

DEPARTMENT: Parks and Recreation
PROJECT NAME: Tennis Courts - Resurfacing
PROJECT CONTACT/PHONE #: Kevin Brooks / 507-7525

PROJECT LOCATION: Tennis Courts located within three (3) of the County's existing parks:
 Loriella Park - four (4) courts at 10910 Leavells Road, Fredericksburg, VA 22407;
 Cosner Park - two (2) courts at 1 H.C.C. Drive, Fredericksburg, VA 22408; and
 Chancellor Community Center - one (1) court at 7300 Old Plank Road, Fredericksburg, VA 22407.

PROJECT DESCRIPTION: Resurfacing of seven (7) total tennis courts located within three (3) existing Parks and Recreation facilities to meet proper maintenance guidelines.

PROJECT OBJECTIVE: This project request is to maintain the proper resurfacing guidelines for these tennis courts. These courts were last resurfaced in FY 2008. Proper maintenance guidelines and tennis court professionals recommend resurfacing every 6-10 years.

TOTAL CAPITAL PROJECT COST: \$57,040

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

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$57,040	\$0	\$0	\$0	\$0	\$57,040
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$57,040	\$0	\$0	\$0	\$0	\$57,040

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$57,040	\$0	\$0	\$0	\$0	\$57,040
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$57,040	\$0	\$0	\$0	\$0	\$57,040

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$525	\$551	\$579	\$608	\$2,263
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$525	\$551	\$579	\$608	\$2,263

DEPARTMENT: Parks and Recreation
PROJECT NAME: Loriella Pool Repairs
PROJECT CONTACT/PHONE #: Kevin Brooks / 507-7525
PROJECT LOCATION: Loriella Park - 10910 Leavells Road

PROJECT DESCRIPTION: Repairs and maintenance to the Loriella Park main pool and wading pool to include complete white coat removal and replacement, skimmer assemblies replacement, all water line and below surface tile replacement, all coping stone replacement, caulking of pool deck and pump room floor repairs.

PROJECT OBJECTIVE: To repair pool surfacing and equipment functions to meet all required standards of operation of a public pool facility.

TOTAL CAPITAL PROJECT COST: \$126,304

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

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

Projected Project Revenues & Expenditures					
FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$126,304	\$0	\$0	\$0	\$0	\$126,304
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$126,304	\$0	\$0	\$0	\$0	\$126,304

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$126,304	\$0	\$0	\$0	\$0	\$126,304
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$126,304	\$0	\$0	\$0	\$0	\$126,304

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:

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$24,789	\$0	\$0	\$0	\$24,789
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	\$225,211	\$1,000,000	\$0	\$0	\$1,225,211
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$250,000	\$1,000,000	\$0	\$0	\$1,250,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$0	\$0	\$0	\$0	\$0	\$0
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$52,198	\$54,189	\$106,387
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$0	\$0	\$52,198	\$54,189	\$106,387

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:

\$15,067,942

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$1,000,000

COSTS PROJECTED BEYOND CIP PERIOD:

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
Financing/Funding Methods:						
Proffers	\$174,622	\$50,000	\$0	\$0	\$0	\$224,622
General Obligation Bond	\$288,086	\$0	\$0	\$0	\$0	\$288,086
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	\$2,180,340	\$2,595,318	\$3,637,046	\$2,785,188	\$2,341,662	\$13,539,554
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other (Interest Earnings)	\$15,680	\$0	\$0	\$0	\$0	\$15,680
Total Projected/Requested Funding	\$2,658,728	\$2,645,318	\$3,637,046	\$2,785,188	\$2,341,662	\$14,067,942
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	\$2,658,728	\$2,645,318	\$3,637,046	\$2,785,188	\$2,341,662	\$14,067,942
Total Projected Capital Expenditures	\$2,658,728	\$2,645,318	\$3,637,046	\$2,785,188	\$2,341,662	\$14,067,942
Estimated Add'l Operational Costs						
- Debt service	\$31,930	\$31,269	\$30,609	\$29,949	\$29,289	\$153,046
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$31,930	\$31,269	\$30,609	\$29,949	\$29,289	\$153,046

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: \$288,608

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: \$13,508

COSTS PROJECTED BEYOND CIP PERIOD:

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$65,500	\$78,600	\$0	\$275,100
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	\$65,500	\$78,600	\$0	\$275,100

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$0	\$0	\$0	\$0	\$0
Vehicles & Equipment	\$65,500	\$65,500	\$65,500	\$78,600	\$0	\$275,100
Total Projected Capital Expenditures	\$65,500	\$65,500	\$65,500	\$78,600	\$0	\$275,100

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: Department of Fire, Rescue, and Emergency Management
PROJECT NAME: Emission Extraction Systems
PROJECT CONTACT/PHONE #: Monty Willaford, 507-7900
PROJECT LOCATION: Identified County fire stations.

PROJECT DESCRIPTION: Design and installation of vehicle exhaust source-capture and removal systems in fire stations.

PROJECT OBJECTIVE: To purchase and install a system to reduce, to the fullest extent possible, the hazardous exhaust emissions from emergency response vehicles housed in stations. These emissions have been proven to contain benzene, polynuclear aromatic hydrocarbon, benzene "alpha" pyrene, formaldehyde, bezofuran, carbon monoxide, and nitric oxides, many of which are considered carcinogens. The project will provide a mechanism to remove these chemicals through an exhaust removal system which connects directly to the exhaust pipe of vehicles in County fire stations.

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 2016

PRIOR YEAR BUDGETS: \$0

COSTS PROJECTED BEYOND CIP PERIOD: \$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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	\$100,000	\$0	\$0	\$0	\$0	\$100,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$100,000	\$0	\$0	\$0	\$0	\$100,000

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

Transportation Projects



DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Transportation - "Fair" Unpaved Roads

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:

Hard surface the unpaved roads ranked as "Fair" on the Unpaved Road inventory endorsed by the Board 7/8/08.



PROJECT DESCRIPTION:

Paving of roads to include Woolfolk, Twilight Lane/Blaydes Corner, Sullivan Road, Mastin Lane, Parker Lane, Mallard Point Lane, Ryland Payne Road, Wigglesworth Road and White Shop Lane. These will be VDOT-managed projects.

PROJECT OBJECTIVE:

Hard surface the unpaved roads ranked as "Fair" using the traffic volumes as the second screening criterion.

TOTAL CAPITAL PROJECT COST:

\$2,603,927

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

Planning & Design	Property Acquisition	Construction/Implementation
N/A	N/A	FY 2015 - FY 2018

PRIOR YEAR BUDGETS:

\$2,503,927

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$78,000	\$0	\$0	\$0	\$0	\$78,000
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 (Interest Earnings)	\$22,000	\$0	\$0	\$0	\$0	\$22,000
Total Projected/Requested Funding	\$100,000	\$0	\$0	\$0	\$0	\$100,000

Projected Capital Expenditures:

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

Estimated Add'l Operational Costs

- Debt service	\$6,825	\$6,679	\$6,533	\$6,386	\$6,240	\$32,663
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$6,825	\$6,679	\$6,533	\$6,386	\$6,240	\$32,663

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 requested from the State through the Revenue Sharing program.)**

TOTAL CAPITAL PROJECT COST:

\$1,945,000

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$1,145,000	\$0	\$0	\$0	\$1,145,000
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	\$0	\$1,145,000	\$0	\$0	\$0	\$1,145,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$1,145,000	\$0	\$0	\$0	\$1,145,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$1,145,000	\$0	\$0	\$0	\$1,145,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$111,638	\$108,918	\$106,199	\$103,479	\$430,234
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$111,638	\$108,918	\$106,199	\$103,479	\$430,234

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 projects.

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 requested from the State through the Revenue Sharing program.)**

TOTAL CAPITAL PROJECT COST:

\$11,175,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$3,400,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$0	\$2,275,000	\$5,500,000	\$0	\$0	\$7,775,000
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	\$0	\$2,275,000	\$5,500,000	\$0	\$0	\$7,775,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$0	\$2,275,000	\$5,500,000	\$0	\$0	\$7,775,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$0	\$2,275,000	\$5,500,000	\$0	\$0	\$7,775,000

Estimated Add'l Operational Costs

- Debt service	\$0	\$221,813	\$752,659	\$734,194	\$715,728	\$2,424,394
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$0	\$221,813	\$752,659	\$734,194	\$715,728	\$2,424,394

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Improvements to Interchange Exit 126

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:



PROJECT DESCRIPTION:

Phasing and options of improvements to the I-95 interchange at Massaponax (exit 126) are currently being studied and discussed by VDOT and County representatives. The County has applied and intends to apply for additional matching project funds through the State's Revenue Sharing Program. This is anticipated as a VDOT-managed project.

PROJECT OBJECTIVE:

Improve the movement of traffic at the Exit 126 interchange and the roads in those areas. **(The figures below represent County-only funding for this project. A match of funds has been requested from the State through the Revenue Sharing program.)**

TOTAL CAPITAL PROJECT COST:

\$36,325,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

\$200,000

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$3,000,000	\$900,000	\$3,900,000
General Obligation Bond	\$5,000,000	\$12,500,000	\$10,875,000	\$1,000,000	\$2,850,000	\$32,225,000
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	\$5,000,000	\$12,500,000	\$10,875,000	\$4,000,000	\$3,750,000	\$36,125,000

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
Construction	\$5,000,000	\$12,500,000	\$10,875,000	\$4,000,000	\$3,750,000	\$36,125,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$5,000,000	\$12,500,000	\$10,875,000	\$4,000,000	\$3,750,000	\$36,125,000

Estimated Add'l Operational Costs

- Debt service	\$437,500	\$1,646,875	\$2,668,125	\$2,700,734	\$2,911,344	\$10,364,578
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$437,500	\$1,646,875	\$2,668,125	\$2,700,734	\$2,911,344	\$10,364,578

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

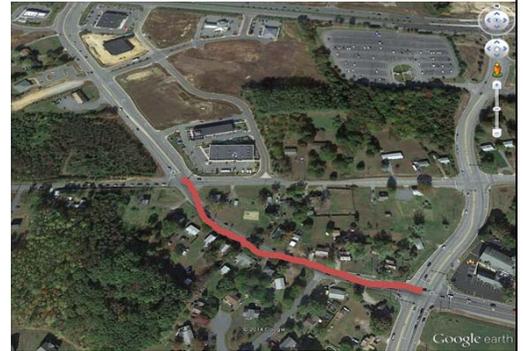
Widening of Harrison Road - Old Plank to Gordon

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:

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



PROJECT DESCRIPTION:

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

PROJECT OBJECTIVE:

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

TOTAL CAPITAL PROJECT COST:

The total cost is estimated at \$3.6 million. \$1.1 million is anticipated to come from the State's Revenue Sharing program. Only the County's share of costs shows below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$6,036	\$0	\$0	\$0	\$0	\$6,036
General Obligation Bond	\$2,443,964	\$0	\$0	\$0	\$0	\$2,443,964
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	\$2,450,000	\$0	\$0	\$0	\$0	\$2,450,000

Projected Capital Expenditures:

Land	\$425,000	\$0	\$0	\$0	\$0	\$425,000
Professional Services	\$150,000	\$0	\$0	\$0	\$0	\$150,000
Construction	\$1,875,000	\$0	\$0	\$0	\$0	\$1,875,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$2,450,000	\$0	\$0	\$0	\$0	\$2,450,000

Estimated Add'l Operational Costs

- Debt service	\$213,847	\$209,264	\$204,682	\$200,100	\$195,517	\$1,023,410
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$213,847	\$209,264	\$204,682	\$200,100	\$195,517	\$1,023,410

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Thornton Rolling/Rt 17 Intersection Improvements

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:

Intersection of Thornton Rolling Road and Rt. 17



PROJECT DESCRIPTION:

Installation of turn lanes and signal at intersection of Thornton Rolling Road and Rt. 17.

PROJECT OBJECTIVE:

Intersection improvements.

TOTAL CAPITAL PROJECT COST:

The total cost is estimated at \$3.0 million. \$0.8 million is expected to be paid through Congestion Mitigation & Air Quality (CMAQ) funding while \$1.1 million is anticipated to come from the State's Revenue Sharing program. Only the County's share of costs shows below.

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$500,000	\$587,500	\$0	\$0	\$0	\$1,087,500
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	\$500,000	\$587,500	\$0	\$0	\$0	\$1,087,500

Projected Capital Expenditures:

Land	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Professional Services	\$337,500	\$0	\$0	\$0	\$0	\$337,500
Construction	\$112,500	\$587,500	\$0	\$0	\$0	\$700,000
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$500,000	\$587,500	\$0	\$0	\$0	\$1,087,500

Estimated Add'l Operational Costs

- Debt service	\$43,750	\$100,094	\$97,761	\$95,428	\$93,095	\$430,128
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$43,750	\$100,094	\$97,761	\$95,428	\$93,095	\$430,128

DEPARTMENT:	Capital Projects Management					
PROJECT NAME:	Grand Brooks Road Resurfacing					
PROJECT CONTACT/PHONE #:	Doug Morgan, 540-507-7437					
PROJECT LOCATION:	This road is located between Stubbs Bridge Road and Lawyers Road.					
PROJECT DESCRIPTION:	Paving of a currently unpaved road.					
PROJECT OBJECTIVE:	Due to its connection between Stubbs Bridge Road and Lawyers Road, Grand Brooks Road carries a reasonable amount of traffic and serves multiple properties resulting in heavy dust in dry conditions. Road lacks adequate ditches. This project will improve current deficiencies.					
TOTAL CAPITAL PROJECT COST:	The total cost is estimated at \$2.0 million. \$1.0 million is anticipated to come from the State's Revenue Sharing program. Only the County's share of costs shows below.					
FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:	Planning & Design		Property Acquisition		Construction/Implementation	
	FY 2016		N/A		FY 2017	
PRIOR YEAR BUDGETS:						
COSTS PROJECTED BEYOND CIP PERIOD:	\$0					
	Projected Project Revenues & Expenditures					
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
Financing/Funding Methods:						
Proffers	\$66,413	\$0	\$0	\$0	\$0	\$66,413
General Obligation Bond	\$933,587	\$0	\$0	\$0	\$0	\$933,587
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	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000
Projected Capital Expenditures:						
Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$200,000	\$0	\$0	\$0	\$0	\$200,000
Construction	\$800,000	\$0	\$0	\$0	\$0	\$800,000
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	\$81,689	\$79,938	\$78,188	\$76,437	\$74,687	\$390,939
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$81,689	\$79,938	\$78,188	\$76,437	\$74,687	\$390,939

DEPARTMENT:

Capital Projects Management

PROJECT NAME:

Relocation of Ely's Ford & Rt. 3 Intersection

PROJECT CONTACT/PHONE #:

Doug Morgan, 540-507-7437

PROJECT LOCATION:

Intersection of Ely's Ford Road and Rt. 3



PROJECT DESCRIPTION:

Relocation of the intersection of Ely's Ford Road and Rt. 3 in coordination with the National Park Service. A study is currently underway to better define the project.

PROJECT OBJECTIVE:

Safety improvements are necessary to the intersection to reduce the number of accidents that occur. There currently is no turn lane from Rt. 3 onto Ely's Ford. Further, the National Park Service is interested in shifting the intersection to the west to align with an existing park road and to allow better use of the significant park land upon which the road/intersection currently lies.

TOTAL CAPITAL PROJECT COST:

The total cost is estimated at \$5.6 million. Is it anticipated that the State Revenue Sharing program will fund \$1.6 million of the total project costs. Only the County's share of costs shows below.

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total
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Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$500,000	\$3,504,000	\$0	\$0	\$0	\$4,004,000
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	\$500,000	\$3,504,000	\$0	\$0	\$0	\$4,004,000

Projected Capital Expenditures:

Land	\$0	\$536,250	\$0	\$0	\$0	\$536,250
Professional Services	\$500,000	\$36,250	\$0	\$0	\$0	\$536,250
Construction	\$0	\$2,931,500	\$0	\$0	\$0	\$2,931,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$500,000	\$3,504,000	\$0	\$0	\$0	\$4,004,000

Estimated Add'l Operational Costs

- Debt service	\$43,750	\$384,453	\$375,193	\$365,934	\$356,674	\$1,526,004
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$43,750	\$384,453	\$375,193	\$365,934	\$356,674	\$1,526,004

DEPARTMENT: Capital Projects Management
PROJECT NAME: Corridor Study - Rt. 1 & Rt. 208
PROJECT CONTACT/PHONE #: Doug Morgan, 540-507-7437
PROJECT LOCATION: Rt. 1 and Rt. 208 in Spotsylvania County

PROJECT DESCRIPTION: 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: \$6,147,500

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$200,000	\$0	\$0	\$2,878,750	\$2,878,750	\$5,957,500
State Aid	\$190,000	\$0	\$0	\$0	\$0	\$190,000
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	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$390,000	\$0	\$0	\$0	\$0	\$390,000
Construction	\$0	\$0	\$0	\$2,878,750	\$2,878,750	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500

Estimated Add'l Operational Costs

- Debt service	\$17,500	\$17,125	\$16,750	\$297,053	\$570,519	\$918,947
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$17,500	\$17,125	\$16,750	\$297,053	\$570,519	\$918,947

DEPARTMENT: Capital Projects Management
PROJECT NAME: Corridor Study - Rt. 2 & Rt. 178
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: \$6,147,500

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	5-Year Total

Financing/Funding Methods:

Proffers	\$0	\$0	\$0	\$0	\$0	\$0
General Obligation Bond	\$200,000	\$0	\$0	\$2,878,750	\$2,878,750	\$5,957,500
State Aid	\$190,000	\$0	\$0	\$0	\$0	\$190,000
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	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500

Projected Capital Expenditures:

Land	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services	\$390,000	\$0	\$0	\$0	\$0	\$390,000
Construction	\$0	\$0	\$0	\$2,878,750	\$2,878,750	\$5,757,500
Vehicles & Equipment	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected Capital Expenditures	\$390,000	\$0	\$0	\$2,878,750	\$2,878,750	\$6,147,500

Estimated Add'l Operational Costs

- Debt service	\$17,500	\$17,125	\$16,750	\$297,053	\$570,519	\$918,947
- Utilities, insurance, maintenance	\$0	\$0	\$0	\$0	\$0	\$0
- Personnel	\$0	\$0	\$0	\$0	\$0	\$0
Total Est Add'l Operational Costs	\$17,500	\$17,125	\$16,750	\$297,053	\$570,519	\$918,947

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:

\$80,000

FISCAL YEAR IN WHICH EXPENDITURES BEGIN BY PHASE:

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

PRIOR YEAR BUDGETS:

COSTS PROJECTED BEYOND CIP PERIOD:

\$0

Projected Project Revenues & Expenditures

FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	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	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000
Service Charge	\$0	\$0	\$0	\$0	\$0	\$0
Other ()	\$0	\$0	\$0	\$0	\$0	\$0
Total Projected/Requested Funding	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000

Projected Capital Expenditures:

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

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 16 – FY 20 costs = \$20,975,000)

Renovation of Courtland High School will provide additional capacity for future growth in student enrollment, expansion of labs, and development of specialty/magnet programming.

Transportation (FY 16 – FY 20 costs = \$20,780,449)

Purchase of replacement school buses. These vehicles include 98 77-passenger buses, 28 buses for special needs students, 5 Type A buses, and 8 Head Start buses. Also included is purchase of a replacement GPS system.

Capital Maintenance (FY 16 – FY 20 costs = \$44,133,751)

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 16 – FY 20 costs = \$25,981,345)

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 16 – FY 20 costs = \$4,500,000)

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.

Security Improvements (FY 16 – FY 20 costs = \$100,000)

This project consists of the vulnerability assessments and mitigation work required to protect the County's water and sewage systems from destructive activities by vandals, disgruntled employees, and domestic and international terrorists. It will include cameras, system monitors and recorders, and an automated gate with entry card system. Federal agencies have indicated on many occasions that water and sewer works are potential targets for terrorist activities and the County has a responsibility to protect our citizens' health and safety. The Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (PL 107-188) amended the Safe Drinking Water Act (§4133(a)(1)) to require vulnerability assessment for waterworks within the United States.

Manhole Rehabilitation Program (FY 16 – FY 20 costs = \$50,000)

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

System Improvement Opportunities with Developers (FY 16 – FY 20 costs = \$300,000)

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

Water Projects

Motts Run Water Treatment Plant Expansion (FY 16 – FY 20 costs = \$1,000,000)

This project includes funding for the project management and construction of Motts Run Water Treatment Plant (WTP) expansion, and Rappahannock River Raw Water Intake. Demand projections show expansion of Motts Run WTP will be required in the next few years. Planning began in FY 2008. The plant will be expanded from 15 to 24 million gallons per day (MGD).

Rt. 1 / Rt. 606 Waterline Improvements (FY 16 – FY 20 costs = \$130,000)

The project includes upgrade and extension of existing waterlines within the project limits of the proposed VDOT roadway improvements project at Rt. 1 and Route 606/Morris Road.

Ni River Water Treatment Plant Improvements (FY 16 – FY 20 costs = \$24,880,000)

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 16 – FY 20 costs = \$4,200,000)

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.

New Post Water Transmission Facilities (FY 16 – FY 20 costs = \$1,000,000)

This project will consist of the replacement of 12" water line from Benchmark Road to New Post.

Tank Maintenance (FY 16 – FY 20 costs = \$375,000)

Funding is needed for the painting and rehabilitation of three water storage tanks – the Battlefield tank, the Courtland tank, and the Onduline tank.

Loren Drive/Harrison Road Waterline (formerly Falcon Drive Extension) (FY 16 – FY 20 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.

Future Water Source (FY 16 – FY 20 costs = \$16,500,000)

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

16" Waterline – Andora Drive to Sawhill (FY 16 – FY 20 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 16 – FY 20 costs = \$500,000)

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 16 – FY 20 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 then cross along a power line to connect in at Jackson Trail West.

Rappahannock Raw Water Pump Station Improvements (FY 16 – FY 20 costs = \$1,250,000)

This project will consist of the installation of a 12 MGD per 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 all 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 16 – FY 20 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 16 – FY 20 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 16 – FY 20 costs = \$500,000)

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

Spotswood 2" Line Upgrade (FY 16 – FY 20 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" Line Replacements (FY 16 – FY 20 costs = \$700,000)

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

Waverly Village 2" Line Upgrade (FY 16 – FY 20 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 16 – FY 20 costs = \$800,000)

A sewer line will be installed from I-95 to Woodland Drive to remove two pump stations and finish the Long Branch Interceptor.

Elimination of Pump Stations 3 & 6 (FY 16 – FY 20 costs = \$420,000)

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 16 – FY 20 costs = \$250,000)

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

Fawn Lake Pump Stations 27 & 58 (FY 16 – FY 20 costs = \$1,000,000)

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

Maple Grove Rehab (FY 16 – FY 20 costs = \$500,000)

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 16 – FY 20 costs = \$150,000)

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

Waverly Village Rehabilitation (FY 16 – FY 20 costs = \$615,000)

This project will re-line existing sewer lines in Waverly Village to extend the service life of the sewer infrastructure.

Thornburg Wastewater Transmission Improvements (FY 16 – FY 20 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.

FMC Infrastructure Improvements (FY 16 – FY 20 costs = \$1,000,000)

This project includes hydraulic improvements to the system to carry flow being delivered to FMC over to the Massaponax WWTP for treatment. This project will allow for the future abandonment of the FMC and the City of Fredericksburg WWTPs.

Piedmont Drive – Pump Station 43 and 16 Abandonment (FY 16 – FY 20 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 16 – FY 20 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 16 – FY 20 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.

Poole Drive Replacement (FY 16 – FY 20 costs = \$100,000)

Replacement of section of sewer line from Pool Drive to Brock Rd. The line is not up to County Utility standards and has been temporarily repaired but replacement is the long term solution.

Rt. 1/Harrison Road 16" Force Main Realignment (FY 16 – FY 20 costs = \$300,000)

Relocation of the existing 16" force main that is affected by the Rt. 1/Harrison Road widening project to be constructed in 2016.

Replacement Equipment – Field Services (FY 16 – FY 20 costs = \$1,140,000)

This project includes funding to replace significant equipment used in operations of the water and sewer system. Equipment includes replacement vac truck, dump truck, and point repair trailer.

Replacement Equipment – WWTPs (FY 16 – FY 20 costs = \$180,000)

This project includes funding to replace significant equipment used in operations of the wastewater treatment plants. Equipment includes replacement of two tractors – one for Massaponax and one for FMC – used for snow removal, unloading freight trailers and chemical trailers, grounds keeping, and equipment removal/installation.

Replacement Equipment – Composting (FY 16 – FY 20 costs = \$787,500)

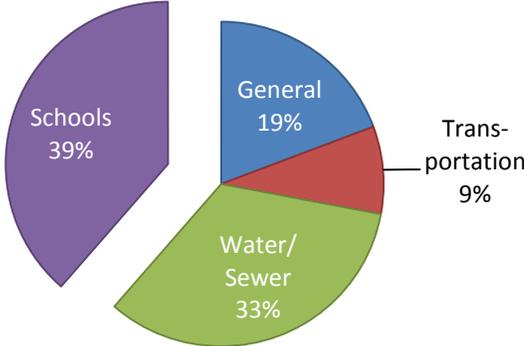
This project includes funding to replacement significant equipment used in the composting operation. Equipment includes Utilities' share of an articulated dump truck to be shared with the Solid Waste operations, and a loader.



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, 2015 is \$396.3 million and is broken down as follows:

Debt Type	Balance – June 30, 2015
General projects	\$76.3 M
Transportation projects*	\$34.6 M
Water and sewer projects	\$132.5 M
School projects	\$152.9 M
Total	\$396.3 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% – 4%;
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 10% – 12%; and
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 60% at the end of each adopted CIP. The payout ratio shall be no less than 55% in any one year during that period.

An assessment of these ratios relative to existing debt and debt anticipated based on the Adopted CIP begins on page 139.

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 2016, it is estimated that \$261.8 million will have been borrowed against this referenda authority. 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 2016, it is estimated that \$5.2 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:

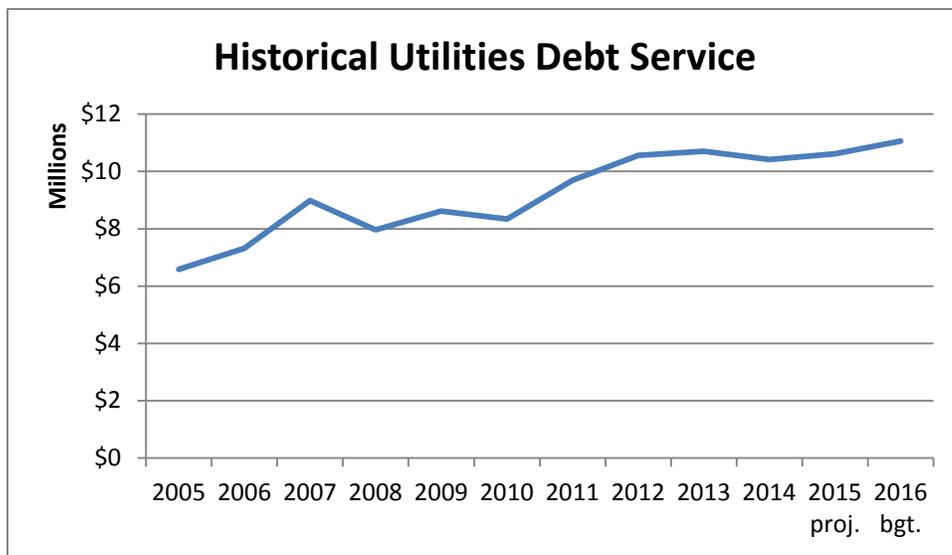
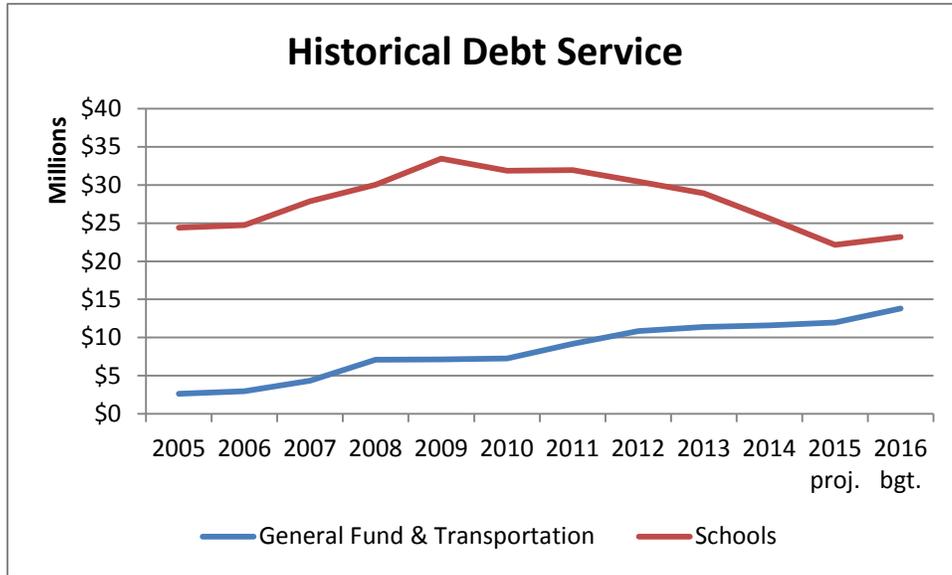
Referendum	Purpose	Potential Tax Rate Impact*
2001	Fire/Rescue	\$0.05 per \$100
2005	Transportation	\$0.10 per \$100
2005	Library & Parks	\$0.01 per \$100
2005	Public Safety	\$0.06 per \$100
2005	Schools	\$0.05 per \$100
2006	Schools	\$0.04 per \$100
2014	Public Safety	\$0.03 per \$100
2014	Transportation	\$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 tax rate increases specifically tied to repayment of the debt service associated with these borrowings:

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

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



Following are the amortization schedules for general, transportation, schools, and utilities debt. Each schedule shows existing debt service. The schedules include the debt service associated with \$34.0 million planned for issuance in Summer 2015 for the Judicial Center and former Sheriff’s Office renovations; preliminary funding for a new animal shelter; CAD system replacement; fire equipment replacements; transportation projects; and various school capital maintenance, technology and bus replacements.

General and Transportation Debt

TOTAL GENERAL & TRANSPORTATION DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt¹		New Debt		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2016	\$7,555,460	\$4,534,766	\$997,046	\$710,347	\$8,552,506	\$5,245,113
2017	7,549,266	4,261,833	997,046	673,983	8,546,313	4,935,816
2018	7,671,644	4,002,268	997,046	637,618	8,668,690	4,639,887
2019	7,599,700	3,728,531	997,046	601,254	8,596,746	4,329,785
2020	7,563,048	3,430,507	997,046	564,890	8,560,095	3,995,397
2021	7,653,224	3,125,728	997,046	528,525	8,650,271	3,654,253
2022	7,766,531	2,782,409	997,046	492,161	8,763,577	3,274,570
2023	7,941,002	2,428,055	952,203	455,796	8,893,205	2,883,851
2024	7,909,700	2,064,172	952,203	420,329	8,861,902	2,484,501
2025	7,606,503	1,693,654	952,203	384,861	8,558,706	2,078,515
2026	7,625,023	1,413,261	952,203	349,394	8,577,226	1,762,655
2027	7,649,352	1,121,904	952,203	313,926	8,601,555	1,435,830
2028	3,996,820	809,103	928,196	278,459	4,925,015	1,087,562
2029	4,006,820	622,058	928,196	243,651	4,935,015	865,710
2030	4,021,820	432,551	928,196	208,844	4,950,015	641,395
2031	2,161,820	271,133	928,196	174,037	3,090,015	445,169
2032	1,857,242	185,771	928,196	139,229	2,785,437	325,001
2033	1,267,242	112,874	928,196	104,422	2,195,437	217,296
2034	980,358	60,487	928,196	69,615	1,908,553	130,102
2035	480,000	14,400	928,196	34,807	1,408,196	49,207
2036	0	0	0	0	0	0
2037	0	0	0	0	0	0
	\$110,862,572	\$37,095,466	\$19,165,905	\$7,386,149	\$130,028,477	\$44,481,615

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
2016	\$15,331,642	\$6,030,939	\$1,404,381	\$417,343	\$16,736,023	\$6,448,282
2017	15,489,575	5,389,579	1,404,381	382,075	16,893,956	5,771,654
2018	13,654,430	4,754,688	1,404,381	346,909	15,058,811	5,101,597
2019	12,903,894	4,193,743	1,404,381	311,744	14,308,275	4,505,487
2020	11,453,411	3,689,093	1,404,381	276,579	12,857,792	3,965,672
2021	11,155,749	3,215,511	1,404,381	241,413	12,560,130	3,456,924
2022	10,789,469	2,737,302	1,404,381	206,248	12,193,850	2,943,550
2023	10,160,998	2,279,196	613,123	171,082	10,774,120	2,450,278
2024	8,308,300	1,865,680	613,123	151,742	8,921,423	2,017,422
2025	8,539,497	1,538,282	613,123	132,402	9,152,620	1,670,684
2026	8,409,977	1,261,216	613,123	113,062	9,023,100	1,374,277
2027	8,486,648	986,791	613,123	93,721	9,099,771	1,080,512
2028	5,974,180	557,810	247,937	74,381	6,222,117	632,191
2029	4,912,180	374,584	247,937	65,083	5,160,117	439,667
2030	3,479,180	225,876	247,937	55,786	3,727,117	281,662
2031	2,663,180	121,276	247,937	46,488	2,911,117	167,764
2032	497,758	36,113	247,937	37,191	745,695	73,303
2033	497,758	21,846	247,937	27,893	745,695	49,739
2034	224,642	7,582	247,937	18,595	472,579	26,177
2035	0	0	247,937	9,298	247,937	9,298
2036	0	0	0	0	0	0
2037	0	0	0	0	0	0
	\$152,932,467	\$39,287,107	\$14,879,776	\$3,179,035	\$167,812,243	\$42,466,142

Utilities Debt

TOTAL UTILITIES DEBT - SPOTSYLVANIA COUNTY						
	Existing Debt		New Debt¹		Total Debt	
	Principal	Interest	Principal	Interest	Principal	Interest
2016	\$5,197,000	\$5,867,176	\$0	\$0	\$5,197,000	\$5,865,532
2017	5,397,000	5,670,538	0	0	5,397,000	5,670,538
2018	5,636,000	5,456,457	0	0	5,636,000	5,456,457
2019	5,855,000	5,213,505	0	0	5,855,000	5,213,505
2020	6,088,000	4,974,270	0	0	6,088,000	4,974,270
2021	6,301,000	4,722,935	0	0	6,301,000	4,722,935
2022	6,583,000	4,439,350	0	0	6,583,000	4,439,350
2023	6,860,000	4,139,927	0	0	6,860,000	4,139,927
2024	7,157,000	3,825,912	0	0	7,157,000	3,825,912
2025	7,468,000	3,508,281	0	0	7,468,000	3,508,281
2026	7,767,000	3,175,263	0	0	7,767,000	3,175,263
2027	5,145,000	2,806,825	0	0	5,145,000	2,806,825
2028	5,357,000	2,569,978	0	0	5,357,000	2,569,978
2029	5,577,000	2,331,016	0	0	5,577,000	2,331,016
2030	5,790,000	2,086,966	0	0	5,790,000	2,086,966
2031	6,017,000	1,836,102	0	0	6,017,000	1,836,102
2032	6,257,000	1,572,352	0	0	6,257,000	1,572,352
2033	4,685,000	1,301,370	0	0	4,685,000	1,301,370
2034	4,864,000	1,092,664	0	0	4,864,000	1,092,664
2035	5,057,000	951,713	0	0	5,057,000	951,713
2036	3,925,000	725,836	0	0	3,925,000	725,836
2037	4,100,000	519,611	0	0	4,100,000	519,611
2038	1,750,000	314,581	0	0	1,750,000	314,581
2039	1,815,000	216,371	0	0	1,815,000	216,371
2040	1,880,000	114,525	0	0	1,880,000	114,525
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
	\$132,528,000	\$69,433,526	\$0	\$0	\$132,528,000	\$69,431,882

¹ No issuance is planned for Summer 2015 for Utilities capital projects.