

FY 2010 – FY 2014

Capital Improvement Plan



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CAPITAL IMPROVEMENT PLAN

FY 2010 – FY 2014

Introduction

The Capital Improvement Plan (CIP) is a significant tool to assist in long range planning for municipal capital needs. Each year the CIP is reviewed and priorities reassessed.

Funding for Capital projects may come from operating revenues or, as is often the case, from the sale of General Obligation Bonds, which pledges the full faith and credit of the municipality toward the bonds' retirement. In March 2005, the Board of Supervisors (BOS) approved a Debt Referendum Policy to encourage enhanced public participation in the decision making process related to major new construction projects in the County. The policy requires 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. The first year of the CIP becomes the Capital Improvement Budget and is reflected under the Capital Projects Fund, School Capital Projects Fund and Utilities Capital Projects Fund in the Approved Budget 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. Except for the first year of the CIP which becomes the adopted capital budget, the CIP is always subject to change. At a minimum, the plan should be reviewed annually prior to budget preparation. It represents a coordinated effort at meeting the identified needs and priorities of the community.

Initially, the respective Department Director submits a Project Request Form; an Evaluation Criteria Form; and a Cost Detail 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. Finance then reviews, critiques and places each project in the appropriate category in the recommended CIP and works with County Administration and the County's Financial Advisors to ensure that the CIP is within the County's approved Fiscal Policy Guidelines. The BOS holds work sessions in February or March to discuss the draft CIP. A public hearing is held in March or April and the CIP is typically approved in April.

As Spotsylvania County maintains its facilities and other capital resources, we will continue to face additional capital needs along with increasing operational costs. In an effort to ensure that the County remains in a healthy financial position and maintains or improves its credit rating, the Board of Supervisors adopted revised Fiscal Policy Guidelines in April 2007.

The CIP is a planning guide for development, modernization and/or replacement of County facilities. Programming capital facilities over time facilitates better use of the County's financial resources and assists in the coordination of public and private development. In addition, the programming process is valuable as a means of coordinating among various County agencies and departments to avoid duplication of effort on projects and to take advantage of joint planning and

development of facilities where possible. The CIP should enable us to maintain an effective level of service for citizens of our County, now and into the future.

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:

1. **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.

2. **Focus Attention on Community Goals and Needs**

Capital projects can be brought into line with community objectives, anticipated growth and our County's ability to pay. By planning ahead for those projects that are needed or desired the most, we can adopt financing alternatives for the more important projects. The CIP also keeps the public informed about future capital investment plans of our County and provides a process for adopting construction priorities.

3. **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 program can also guide the Board of Supervisors in making sound annual budget decisions consistent with approved Fiscal Policy Guidelines.

4. **Fosters a Sound and Stable Financial Program**

Through the CIP, required bond issues or the need for other revenue production measures can be foreseen and action taken before the need becomes so critical as to require expensive financing measures and/or difficult borrowing/loan situations. In addition, sharp changes in the tax rate will be avoided by scheduling projects and required indebtedness over several years.

Assumptions

Prior to the consideration of capital needs and requests, it is useful to consider the assumptions on which the plan is developed. Assumptions include:

1. **Federal/State/County Influences**

No new laws will impose significant financial requirements for local expenditures. Federal categorical grants will continue in the various areas to localities. State funding for transportation projects included within the FY 2010 – FY 2014 CIP is based on the 2009 update of Virginia’s Secondary Road Six-Year Plan.

2. **Others**

Bonds will be sold on an annual basis based upon cash-flow needs projected for the proposed projects.

Interest rates on bonded indebtedness will be 5.5 percent.

Consistent with the approved Fiscal Policy Guidelines, cash available for General Fund projects is at 1.50 percent of General Fund revenues (less obligated transfers) in FY 2010 and increases by 0.25 percent each year thereafter, until it reaches the 5% goal.

No major catastrophes, i.e., floods, hurricanes, fires, etc., will occur which would have a significant economic impact on the County.

Operating Expenditure versus Capital Expenditures

Cost and frequency of expenditures are the primary criteria used to classify a project as an operating expenditure or a capital expenditure.

1. **Cost**

Generally, a project is considered capital if the cost is greater than \$50,000.

2. **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.

Alternative Financing Methods

A range of alternative financing methods exists. Some of those that are commonly used are:

1. **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 (less obligated transfers) to the Capital Projects Fund. The revised guidelines establish a goal of 5% annually (with a minimum level of 3%). In an effort to achieve this goal the County’s FY 2010 transfer is 1.50% of General Fund Revenues (less obligated transfers). Future annual transfers will increase by an additional one-quarter percent annually until the goal is met.

2. **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 2009, the County’s Undesignated Fund Balance is not expected to exceed the 10% of General Fund revenues guideline. As such, the FY 2010 – FY 2014 Capital Improvement Plan does not assume a transfer from the reserve to the Capital Projects Fund.
3. **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 budget 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.
4. **Revenue Bonds**
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 rather than from regular taxation.
5. **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. Street, drainage and utility projects, for example, which benefit a particular area.
6. **State and Federal Aid**
In this CIP, State and Federal funds apply primarily to transportation capital projects.
7. **Other**
Other financing methods used include the joint financing between the County and the Federal and State governments, such as assumed for the Human Services portion of the Community Development Building project.

Basis for Project Cost Estimates

The cost estimation model below was used to develop estimates for the projects in the FY 2010 – FY 2014 CIP. The example shown on the following page assumes a 15,000 sq ft building that would not require land acquisition.

	2009	2010	2011	2012	2013	2014
Building Size sq. ft.	15,000					
Site Size acres	2					
Land Acquisition (3%/yr)						
Project Design (14%/yr inflation)	\$629,123	\$673,161	\$720,282	\$770,702	\$824,651	\$882,377
Site Development (7%/yr inflation)	\$801,430	\$857,530	\$917,557	\$981,786	\$1,050,511	\$1,124,047
Building Construction (7%/yr inflation)	\$3,692,303	\$3,950,764	\$4,227,317	\$4,523,229	\$4,839,855	\$5,178,645
Construction Admin & Testing (3% of Site Development & Construction)	\$134,812	\$144,249	\$154,346	\$165,150	\$176,711	\$189,081
Utilities water elec. (7%/yr inflation)	\$85,868	\$91,878	\$98,310	\$105,191	\$112,555	\$120,434
Data	\$257,603	\$275,635	\$294,929	\$315,574	\$337,664	\$361,301
Furniture Fixtures and Equipment (6% of Site Development & Construction)	\$269,624	\$288,498	\$308,692	\$330,301	\$353,422	\$378,162
Subtotal	\$5,870,761	\$6,281,714	\$6,721,434	\$7,191,935	\$7,695,370	\$8,234,046
Contingency (15% of Subtotal Costs)	\$880,614	\$942,257	\$1,008,215	\$1,078,790	\$1,154,306	\$1,235,107
Total Cost	\$6,751,375	\$7,223,971	\$7,729,649	\$8,270,725	\$8,849,676	\$9,469,153

Assessed value of land was queried, averaged and inflated for land purchases for projects where market real estate prices are not currently known.

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:

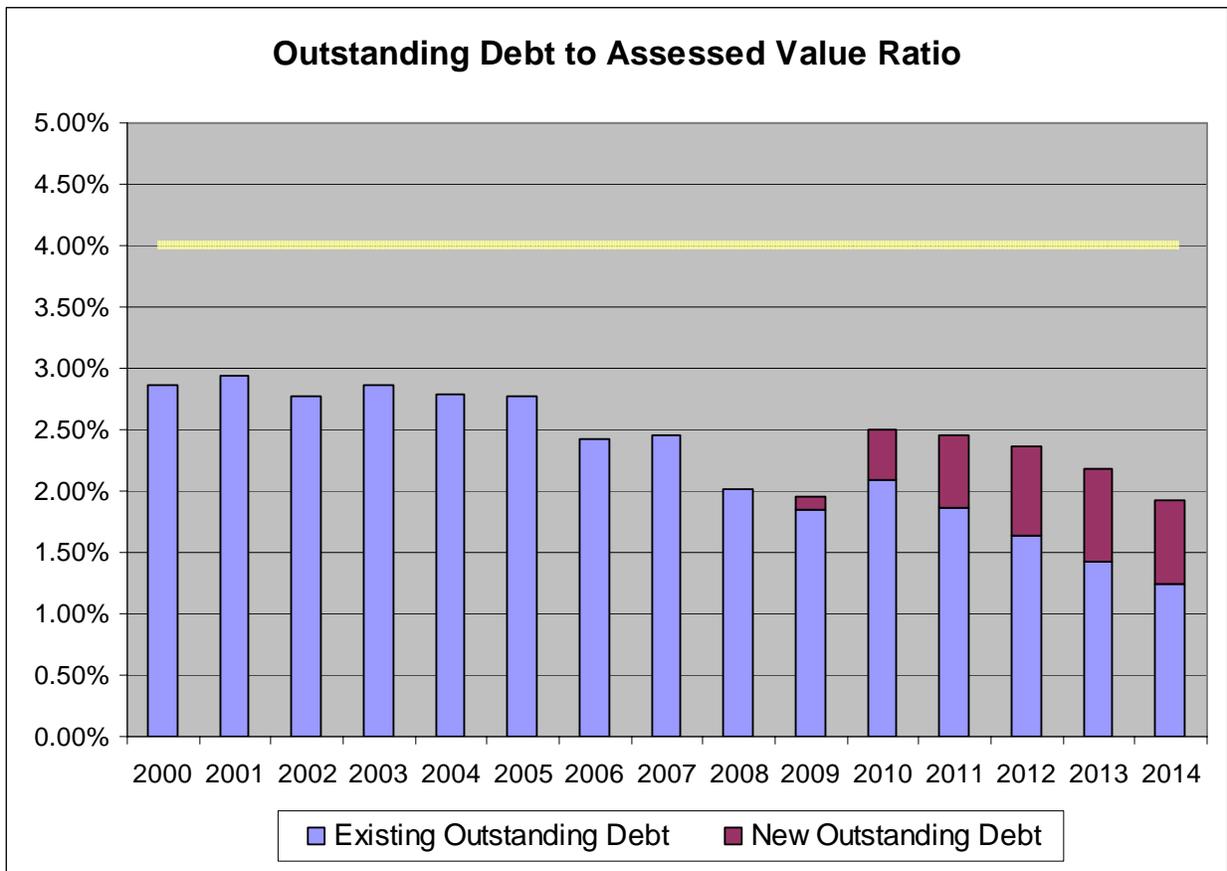
- Net debt as a percentage of estimated market value taxable should not exceed 3% - 4%
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 10% - 12%
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above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

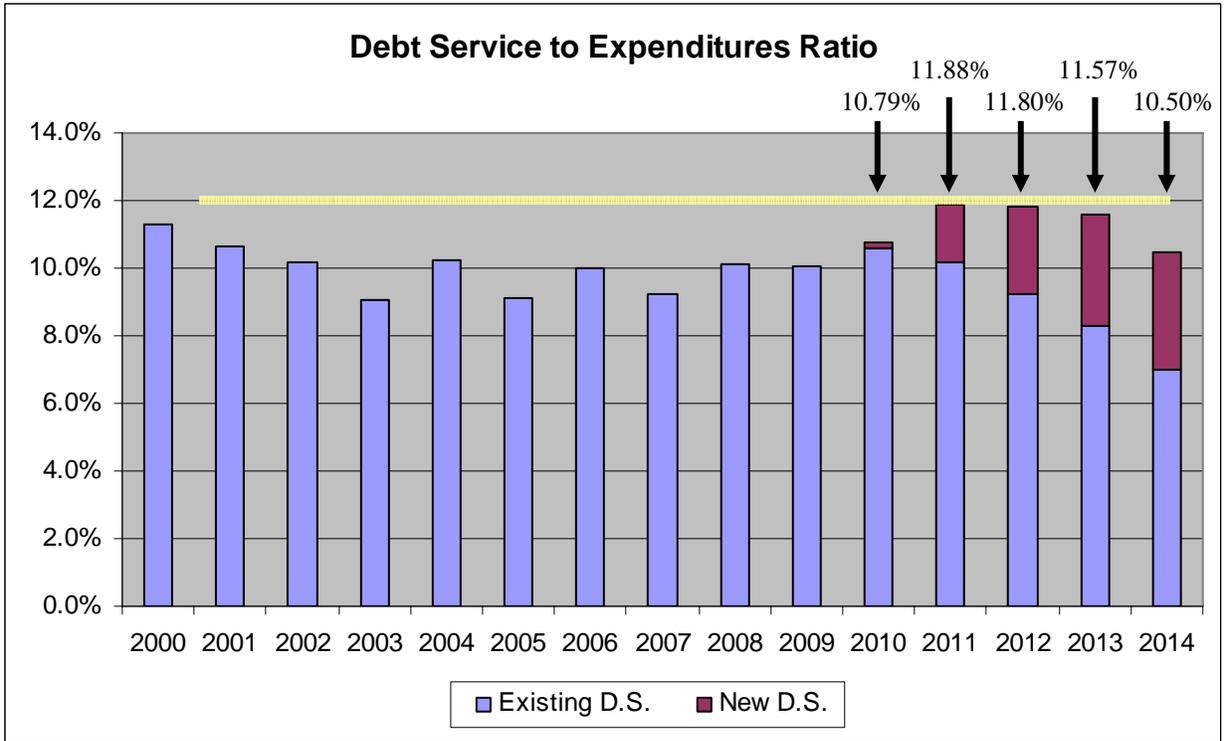
As staff prepared the CIP financial analysis to assess the ratios noted above, the following *assumptions* were in place:

- Bonds are sold on an annual basis.
- The structure of the 2009 bond sale is level principal for the issuance of a software lease, one-year capitalized interest for the campus master plan issuance, and level principal for the transportation issuance. Level principal is assumed for all subsequent sales.
- 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.
- Growth rates for real property is assumed at 1.1% for 2009. 2010 is a reassessment year, and, given the declining housing market, this model assumes a 20% decrease in existing home values for 2010. Out-year growth is then assumed at between 2.5% and 4.0%.
- Estimated expenditures growth is based on the Budget Plus Five model assuming an equalized tax rate.
- The interest rate paid on borrowed funds is fixed at 5.5%.

The following displays indicate that the FY 2010 – FY 2014 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 2010, including the bonds to be issued in Spring 2009, total general debt outstanding is estimated at \$324.1 million. At the end of FY 2019, ten fiscal years beyond FY 2010 (including FY 2010), the County will have repaid \$202.2 million, or 62.39% of the debt outstanding at the beginning of FY 2010.

10-Yr Payout Ratio (must be > 55%)	
FY	Payout Ratio
FY 2010	62.39%
FY 2011	62.80%
FY 2012	64.60%
FY 2013	67.01%
FY 2014	69.28%

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 2010, the transfer from the General Fund to the Capital Projects Fund is budgeted at 1.50% of General Fund revenues.

While the majority of the \$3.18 million transfer from the General Fund in FY 2010 funds capital equipment and software typically funded with the cash transfer, \$397,568 is budgeted as a reserve within the Capital Projects Fund to provide some flexibility given the uncertain economy. If the economy stabilizes and this reserve is not needed to balance the General Fund in FY 2010, a recommendation may be made to the Board to allocate all or a portion of this reserve to additional capital projects.

Operating Impact

The following table shows the potential impact that implementation of the FY 2010 – FY 2014 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 \$0.62 per \$100 of assessed value in FY 2010 and an equalized rate in the out-years. The “Additional D.S. Budget Needed” column represents the debt service that is over and above the debt service budgeted in FY 2010. The Incremental Tax Rate Impact” shows the tax rate increase necessary each year to fund the approved CIP.

FY	Value of \$0.01	Debt Service Impact			Operational Impact			Total	
		Additional 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
2010	1,517,589	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2011	1,544,964	3,858,928	0.025	0.025	202,850	\$0.001	0.001	\$0.026	\$0.026
2012	1,591,408	5,425,801	0.034	0.009	1,607,486	\$0.010	0.009	\$0.044	\$0.018
2013	1,647,108	6,540,875	0.040	0.006	1,898,411	\$0.012	0.001	\$0.051	\$0.007
2014	1,708,945	4,064,707	0.024	0.000	2,146,974	\$0.013	0.001	\$0.036	\$0.001

Given the projected CIP expenditures for the next five years and assuming no available use of fund balances to pay the added debt service, the tax rate would need to increase by a total of 5.2 cents by FY 2014. Of this amount, 4.0 cents is associated with debt service while the remaining 1.2 cents is associated with on-going operating costs related to the projects.

Additionally, estimated annual operating costs including the debt service associated with each project are displayed beginning on page 285.

Spotsylvania County
FY 2010 - FY 2014
Capital Improvements Plan Calendar

September 17, 2008	CIP instructions/forms to departments for request of construction and non-construction projects
October 8, 2008	Departments submit construction project requests/revisions to Capital Projects Management Department; non-construction project requests/revisions to Finance Department
November 3, 2008	Capital Construction Department submits construction project summary sheets, detail project forms, and anticipated project schedules to Finance
November 3, 2008	Zoning forwards updated proffers listing to Finance for review of available proffer funding
November 5, 2008	Schools submits CIP to Finance & Capital Projects Management Departments
December/January	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
January 2, 2009	Planning Commission reviews CIP
March 24, 2009	Board of Supervisors work session to discuss draft CIP
April 9, 2009	Tax Rate, Budget and CIP Public Hearings
April 28, 2009	CIP Work Session/Adopt FY 2010 – FY 2014 CIP

CIP Summary

Following is a summary of the projects included in the FY 2010 – FY 2014 CIP. The summary shows the anticipated funding by fiscal year for each project. Funding sources are identified by the following codes within the summary sheets.

C = Cash

L = Lease bonds

F = Fire bonds

P = Proffer

IE = Interest earnings

B = Approved bonds

T = Transportation Fund

FB = Future bonds

S = State

TB = Transportation bonds

DSS = Social Services State funds

PPP = Public-Private Partnership

OJ = Other jurisdictions

SD = Special service district

Class of need is identified as:

1 – mandated or required

2 – addresses current space needs, maintenance of existing buildings and software, public safety needs

3 – addresses upgrades to existing computer systems, Comprehensive Plan requirements, cost effectiveness, and/or efficiency of current operations.

Additionally, estimated annual operating costs including the debt service associated with each project are displayed beginning on page 285.

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2010 - FY 2014 CIP may be found beginning on page 289.

Spotsylvania County, Virginia
FY 2010 - FY 2014 Capital Improvement Plan
Project Summary By Fund

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2010 - FY 2014 Total
General Government Projects:						
General Government and Judicial Facilities	14,817,548	23,388,846	3,493,602	12,421,919	10,005,452	64,127,367
Solid Waste	462,661	207,031	2,634,260	3,219,717	2,217,157	8,740,826
Parks and Recreation	86,940	1,294,296	300,000	565,872	361,405	2,608,513
Fire and Rescue Services	0	1,877,655	9,863,270	1,781,095	2,659,899	16,181,919
General Government Total	15,367,149	26,767,828	16,291,132	17,988,603	15,243,913	91,658,625

Transportation Total	5,647,384	9,176,246	10,846,708	11,739,422	7,840,659	45,250,419
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School Total *	243,279	7,551,048	8,219,893	9,113,402	8,144,356	33,271,978
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* School projects are from the version of the School Board's CIP approved by consensus April 20, 2009.

Utility Projects:						
General Utility Projects	0	300,000	300,000	300,000	911,111	1,811,111
Water Projects	0	5,400,000	14,350,000	17,900,000	7,850,000	45,500,000
Sewer Projects	0	13,200,000	8,850,000	3,000,000	0	25,050,000
Utilities Total	0	18,900,000	23,500,000	21,200,000	8,761,111	72,361,111

CIP Total, All Funds	21,257,812	62,395,122	58,857,733	60,041,427	39,990,039	242,542,133
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
General Government and Judicial Facilities - Campus Master Plan										
New Circuit Court Bldg.	1,902,100	B, IE	1	\$6,160,553	\$10,580,180	\$0	\$0	\$0	\$16,740,733	\$0
Judicial Center Renovation	373,750	B	1	\$0	\$0	\$0	\$0	\$0	\$0	\$3,859,745
Judicial Center Addition	782,000	B	1	\$0	\$0	\$0	\$0	\$0	\$0	\$10,847,927
Renovate Current Sheriff's Office	41,860	B	1	\$0	\$0	\$0	\$1,425,150	\$0	\$1,425,150	\$0
Public Safety Building	1,674,400	B, IE	2	\$5,656,995	\$9,883,467	\$0	\$0	\$0	\$15,540,462	\$0
Community Dev. Portion of Shared Bldg	-	PPP	2	\$0	\$0	\$0	\$1,478,380	\$4,292,193	\$5,770,573	\$6,741,583
Human Services Bldg Portion of Shared Bldg	-	PPP, DSS	2	\$0	\$0	\$0	\$1,478,380	\$4,292,193	\$5,770,573	\$6,741,583
Capital Project Design Funding	63,442	C, P	2	\$0	\$170,000	\$0	\$0	\$0	\$170,000	\$0
Subtotal - Campus Master Plan	4,837,552			\$11,817,548	\$20,633,647	\$0	\$4,381,910	\$8,584,386	\$45,417,491	\$28,190,838

Other General Government Facilities

Facility Asset Management Program	1,816,077	C, P	2	\$1,500,000	\$820,199	\$564,645	\$872,796	\$896,066	\$4,653,706	\$0
Spotsylvania/Fredericksburg Magistrate Facility	-	C, OJ	2	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Spotsylvania Courthouse Museum Floor Replacement	-	C	2	\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$0
Livingston Animal Shelter	-	FB	2	\$0	\$0	\$508,957	\$4,967,213	\$0	\$5,476,170	\$0
Subtotal - Other General Gov't Facilities	1,816,077			\$1,500,000	\$970,199	\$1,073,602	\$5,840,009	\$1,246,066	\$10,629,876	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

GENERAL GOV'T EXPENDITURES (continued)

Approved FY 2010 Budget
Spotsylvania, Virginia

Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
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Information Technology non-IS Steering Committee projects

Replace Public Safety Server	50,000	L	2	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$0
Installation of an Enterprise-wide Fiber Network	26,305	L	3	\$0	\$0	\$350,000	\$375,000	\$0	\$725,000	\$0
AS400 Refresh Upgrade	-	L	3	\$0	\$0	\$250,000	\$0	\$0	\$250,000	\$0
Network Operations Center A/C Replacement	-	C	2	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Disk Space Expansion	-	C	3	\$0	\$0	\$200,000	\$0	\$0	\$200,000	\$0
County Website Upgrade	108,488	C	3	\$0	\$350,000	\$0	\$0	\$0	\$350,000	\$0
Network Conversion to Microsoft	-	L	3	\$0	\$0	\$250,000	\$150,000	\$100,000	\$500,000	\$0
UPS Upgrades	-	C	3	\$0	\$150,000	\$75,000	\$75,000	\$0	\$375,000	\$0
Public Safety Radio System Enhancements	-	C	2	\$0	\$250,000	\$250,000	\$0	\$0	\$500,000	\$0
Thornburg multi-site Radio System	-	C	2	\$0	\$475,000	\$0	\$0	\$0	\$475,000	\$0
Belmont Tower	-	L	2	\$0	\$0	\$0	\$1,100,000	\$0	\$1,100,000	\$0
Subtotal - IS Non- ISSC projects	184,793			\$0	\$1,375,000	\$1,450,000	\$1,700,000	\$175,000	\$4,700,000	\$0

Information Technology IS Steering Comm. projects

Personal Property System Upgrade	-	C	3	\$450,000	\$0	\$0	\$0	\$0	\$450,000	\$0
Replace CAMA (Computer Aided Mass Appraisal) & Real Estate	222,490	L	2	\$750,000	\$0	\$0	\$0	\$0	\$750,000	\$0
Financial System Upgrade - H.T.E.	-	L	3	\$0	\$0	\$400,000	\$250,000	\$0	\$650,000	\$0
Replace Treasurer's Legacy System	574,364	C	3	\$300,000	\$150,000	\$0	\$0	\$0	\$450,000	\$0
Land Info System Upgrade - Clerk of Court	-	L	3	\$0	\$0	\$500,000	\$250,000	\$0	\$750,000	\$0
MSAG Eagle Upgrade	-	L	2	\$0	\$55,000	\$0	\$0	\$0	\$55,000	\$0
Parks and Recreation System Upgrade	-	C	3	\$0	\$115,000	\$0	\$0	\$0	\$115,000	\$0
Jury System Upgrade	-	C	3	\$0	\$40,000	\$20,000	\$0	\$0	\$60,000	\$0
LRIS (Land Records Information System)	734,434	C	3	\$0	\$50,000	\$50,000	\$0	\$0	\$100,000	\$0
Subtotal - IT/ISSC Projects	1,531,288			\$1,500,000	\$410,000	\$970,000	\$500,000	\$0	\$3,380,000	\$0

TOTAL GENERAL GOV'T EXPENDITURES	8,369,710			\$14,817,548	\$23,388,846	\$3,493,602	\$12,421,919	\$10,005,452	\$64,127,367	\$28,190,838
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

GENERAL GOV'T REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$2,205,130	\$2,726,434	\$1,139,674	\$939,712	\$1,314,411	\$8,325,361	\$0
Interest Earnings		IE		\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000	\$0
Proffers		P		\$44,870	\$68,765	\$19,971	\$8,084	\$6,655	\$148,345	\$0
Nov 2005 Bond Referenda		B		\$10,817,548	\$20,463,647	\$0	\$1,425,150	\$0	\$32,706,345	\$14,707,672
Public Private Partnership		PPP		\$0	\$0	\$0	\$2,365,408	\$6,867,509	\$9,232,917	\$10,786,533
Lease - Purchase		L		\$750,000	\$55,000	\$1,825,000	\$2,125,000	\$100,000	\$4,855,000	\$0
Dept. of Social Services State funds		DSS		\$0	\$0	\$0	\$591,352	\$1,716,877	\$2,308,229	\$2,696,633
Other Jurisdictions		OJ		\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0
Future Bonds		FB		\$0	\$0	\$508,957	\$4,967,213	\$0	\$5,476,170	\$0
TOTAL GENERAL GOV'T REVENUES				\$14,817,548	\$23,388,846	\$3,493,602	\$12,421,919	\$10,005,452	\$64,127,367	\$28,190,838

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2010 - FY 2014**

SOLID WASTE EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities										
Construction of Cell 5 at Livingston Landfill	-	C	1	\$0	\$0	\$963,000	\$963,000	\$0	\$1,926,000	\$0
Partial Closure Cells 3 & 4	-	C	1	\$0	\$0	\$0	\$564,000	\$564,000	\$1,128,000	\$0
Benchmark Road Consolidated Solid Waste Convenience Center	-	FB	3	\$0	\$0	\$0	\$0	\$737,500	\$737,500	\$1,410,000
Chancellor Solid Waste Convenience Center Access Improvements	28,700	FB, P	2	\$0	\$0	\$391,300	\$1,230,000	\$0	\$1,621,300	\$0
Wood Waste collection/Mulching Operation	-	C	3	\$0	\$0	\$577,320	\$0	\$0	\$577,320	\$0
Subtotal - Construction/Closing Cells & Facilities	28,700			\$0	\$0	\$1,931,620	\$2,757,000	\$1,301,500	\$5,990,120	\$1,410,000

SOLID WASTE - Equipment Replacement

Refuse Disposal Equip Replacement	-	C	2	\$350,750	\$87,500	\$0	\$330,625	\$734,715	\$1,503,590	\$0
Refuse Collection Equip Replacement	-	C	2	\$111,911	\$119,531	\$702,640	\$132,092	\$97,775	\$1,163,949	\$133,250
Replace Chancellor Trash Compactor	-	C	2	\$0	\$0	\$0	\$0	\$83,167	\$83,167	\$0
Subtotal - Solid Waste Equipment Replacement	-			\$462,661	\$207,031	\$702,640	\$462,717	\$915,657	\$2,750,706	\$133,250
TOTAL SOLID WASTE EXPENDITURES	28,700			\$462,661	\$207,031	\$2,634,260	\$3,219,717	\$2,217,157	\$8,740,826	\$1,543,250

SOLID WASTE REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$462,661	\$207,031	\$2,241,050	\$1,989,717	\$1,479,657	\$6,380,116	\$133,250
Proffers		P		\$0	\$0	\$1,910	\$0	\$0	\$1,910	\$0
Future Bonds		FB		\$0	\$0	\$391,300	\$1,230,000	\$737,500	\$2,358,800	\$1,410,000
TOTAL SOLID WASTE REVENUES				\$462,661	\$207,031	\$2,634,260	\$3,219,717	\$2,217,157	\$8,740,826	\$1,543,250

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
<i>PARKS AND RECREATION - Construction of Facilities and Parks</i>										
Patriot Park Storage Building	-	IE	3	\$86,940	\$411,060	\$0	\$0	\$0	\$498,000	\$0
Hunting Run Park, Phase II	-	C	3	\$0	\$0	\$300,000	\$0	\$0	\$300,000	\$0
Belmont Park	52,987	C	3	\$0	\$300,000	\$0	\$0	\$0	\$300,000	\$0
Subtotal - P/R construction of facilities and parks	52,987			\$86,940	\$711,060	\$300,000	\$0	\$0	\$1,098,000	\$0

PARKS AND RECREATION - Maintenance of existing Facilities and Parks

Patriot Park Field Lighting	170,000	C	3	\$0	\$583,236	\$0	\$565,872	\$0	\$1,149,108	\$0
Spotsylvania Middle School Field Upgrades	-	C	3	\$0	\$0	\$0	\$0	\$361,405	\$361,405	\$0
Subtotal - P/R maintenance of existing facilities and parks	170,000			\$0	\$583,236	\$0	\$565,872	\$361,405	\$1,510,513	\$0
TOTAL PARKS & REC EXPENDITURES	222,987			\$86,940	\$1,294,296	\$300,000	\$565,872	\$361,405	\$2,608,513	\$0

PARKS & RECREATION REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$0	\$883,236	\$300,000	\$565,872	\$361,405	\$2,110,513	\$0
Interest Earnings		IE		\$86,940	\$411,060	\$0	\$0	\$0	\$498,000	\$0
Proffers		P		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PARKS & REC REVENUES				\$86,940	\$1,294,296	\$300,000	\$565,872	\$361,405	\$2,608,513	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FIRE & RESCUE SERVICES EXPENDITURES

FY 2010 - FY 2014

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
<i>FIRE/RESCUE SERVICES - Construction Projects</i>										
New Fire/Rescue Station	-	F	2	\$0	\$0	\$7,175,000	\$0	\$0	\$7,175,000	\$0
Regional Fire Training Center	-	OJ, C, P	3	\$0	\$250,000	\$0	\$0	\$1,000,000	\$1,250,000	\$0
Subtotal Fire/Rescue construction projects	-			\$0	\$250,000	\$7,175,000	\$0	\$1,000,000	\$8,425,000	\$0
<i>FIRE/RESCUE SERVICES - Equipment</i>										
Replacement Fire Equipment	-	L, FB	2	\$0	\$1,041,862	\$1,167,956	\$1,225,000	\$1,076,000	\$4,510,818	\$0
Replacement EMS Equipment	-	L, FB	2	\$0	\$504,393	\$529,614	\$556,095	\$583,899	\$2,174,001	\$0
Cascade System FC #3, FC #9 & FC #10	-	C, P	2	\$0	\$81,400	\$40,700	\$0	\$0	\$122,100	\$0
Ladder Truck for 4-Mile Fork Area	-	L	2	\$0	\$0	\$950,000	\$0	\$0	\$950,000	\$0
Subtotal Fire/Rescue equipment	-			\$0	\$1,627,655	\$2,688,270	\$1,781,095	\$1,659,899	\$7,756,919	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	0			\$0	\$1,877,655	\$9,863,270	\$1,781,095	\$2,659,899	\$16,181,919	\$0

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$0	\$158,512	\$40,700	\$0	\$333,333	\$532,546	\$0
Proffers		P		\$0	\$6,221	\$0	\$0	\$0	\$6,221	\$0
Nov 2001 Fire/Rescue Bond Referenda		F		\$0	\$0	\$7,175,000	\$0	\$0	\$7,175,000	\$0
Future Bonds		FB		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Jurisdictions		OJ		\$0	\$166,667	\$0	\$0	\$666,667	\$833,333	\$0
Lease - Purchase		L		\$0	\$1,546,255	\$2,647,570	\$1,781,095	\$1,659,899	\$7,634,819	\$0
TOTAL FIRE/RESCUE SVCS REVENUES				\$0	\$1,877,655	\$9,863,270	\$1,781,095	\$2,659,899	\$16,181,919	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010 - FY 2014						Total FY 10- FY 14	Costs beyond FY 2014
				FY 2010	FY 2011	FY 2012	FY 2013	FY 2014			
TRANSPORTATION											
Transportation - rural additions	-	T	2	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$0	
Transportation PPTA projects (Phase I)	13,521,481	P, T, TB, IE	3	\$2,722,384	\$9,151,246	\$2,661,383	\$0	\$0	\$14,535,013	\$0	
Transportation PPTA projects (Phase II)	-	T, TB, S	3	\$0	\$0	\$5,460,325	\$9,114,422	\$6,315,659	\$20,890,406	\$19,074,245	
Unpaved Roads (identified "Poor" or "Fair")	2,598,621	TB	3	\$2,900,000	\$0	\$2,500,000	\$2,600,000	\$1,300,000	\$9,300,000	\$0	
General Engineering Consultant	1,528,535	T, TB	3	\$0	\$0	\$200,000	\$0	\$200,000	\$400,000	\$0	
TOTAL TRANSPORTATION EXPENDITURES	17,648,637			\$5,647,384	\$9,176,246	\$10,846,708	\$11,739,422	\$7,840,659	\$45,250,419	\$19,074,245	

TRANSPORTATION REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010 - FY 2014						Total FY 10- FY 14	Costs beyond FY 2014
				FY 2010	FY 2011	FY 2012	FY 2013	FY 2014			
Proffers		P		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Interest Earnings		IE		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Nov 2005 Transportation Bond Referenda		TB		\$5,122,384	\$8,651,246	\$10,321,708	\$5,027,177	\$5,544,250	\$34,666,765	\$15,520,467	
Reimbursement/aide from State/Federal gov't		S		\$0	\$0	\$0	\$6,187,245	\$1,771,409	\$7,958,654	\$3,553,778	
Transfer from Transportation Fund		T		\$525,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,625,000	\$0	
TOTAL TRANSPORTATION REVENUES				\$5,647,384	\$9,176,246	\$10,846,708	\$11,739,422	\$7,840,659	\$45,250,419	\$19,074,245	

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
SCHOOL CONSTRUCTION CAPITAL PROJECTS										
Elementary #18	2,146,780	B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$24,321,547
Site Acquisitions (2 elementary, 1 middle)	-	B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$4,100,000
Ni River Addition	-	B	2	\$0	\$0	\$0	\$0	\$1,891,611	\$1,891,611	\$0
Thornburg Addition	-	B	2	\$0	\$0	\$0	\$0	\$1,891,611	\$1,891,611	\$0
Subtotal - School Construction	2,146,780			\$0	\$0	\$0	\$0	\$3,783,222	\$3,783,222	\$28,421,547
SCHOOL NON-CONSTRUCTION CAPITAL PROJECTS										
Transportation Buses	-	B, FB	2	\$0	\$2,598,717	\$2,643,573	\$2,865,090	\$2,914,546	\$11,021,926	\$0
Capital Maintenance	-	B, FB, IE	2	\$243,279	\$4,168,961	\$2,498,000	\$2,480,000	\$467,000	\$9,857,240	\$0
Technology Replacements/Upgrades	-	B, FB	2	\$0	\$783,370	\$3,078,320	\$3,768,312	\$979,588	\$8,609,590	\$0
Subtotal - School Non-Construction	-			\$243,279	\$7,551,048	\$8,219,893	\$9,113,402	\$4,361,134	\$29,488,756	\$0
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	2,146,780			\$243,279	\$7,551,048	\$8,219,893	\$9,113,402	\$8,144,356	\$33,271,978	\$28,421,547
SCHOOL CAPITAL REVENUES										
Interest Earnings		IE		\$243,279	\$0	\$0	\$0	\$0	\$243,279	\$0
Nov 2005/2006 School Bond Referenda		B		\$0	\$7,551,048	\$8,219,893	\$9,113,402	\$8,144,356	\$33,028,699	\$28,421,547
Future Bonds		FB		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES				\$243,279	\$7,551,048	\$8,219,893	\$9,113,402	\$8,144,356	\$33,271,978	\$28,421,547

*** School projects are from the edited version of the School Board's Adopted CIP dated February 13, 2009.

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2010 - FY 2014**

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
General Utilities Projects										
EC Dev Infrastructure Imp	1,550,000	C,B	2	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$0
Utility Complex Expansion	1,483,000	C,B	2	\$0	\$0	\$0	\$0	\$611,111	\$611,111	\$1,000,000
System Improvement Opportunities with Developers	2,382,136	C,B	2	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$0
Security Improvements	1,729,564	C,B	1	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	7,144,700			\$0	\$300,000	\$300,000	\$300,000	\$911,111	\$1,811,111	\$1,000,000
Water Projects										
Motts Run Water Treatment Plant	8,157,406	C,B	1	\$0	\$1,100,000	\$10,000,000	\$12,500,000	\$6,250,000	\$29,850,000	\$5,000,000
Motts Run Dam Repairs	1,268,311	C,B	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ni River Treatment Plant Improvements	6,595,220	C,B	1	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000	\$6,000,000
Distribution System Extensions by Policy	1,064,878	C,B	2	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$400,000	\$0
Wetlands Mitigation	2,125,264	C,B	1	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Five Mile Fork Water Transmission Improvements	2,440,000	C,B	2	\$0	\$0	\$1,000,000	\$3,000,000	\$0	\$4,000,000	\$0
Thornburg Water Transmission Facilities Improvements	3,977,000	C,B	2	\$0	\$2,000,000	\$2,750,000	\$1,000,000	\$1,200,000	\$6,950,000	\$0
Rt 3/Bragg Rd. Pipe Replacement	323,681	C,B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Post Water Transmission Facilities	100,000	C,B	2	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	\$0
Lee's Hill Water Transmission Facilities	140,000	C,B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
New Water Source	800,000	C,B	2	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$800,000	\$0
Conversion to Radio Reading System for Water Meters	1,150,000	C,B	3	\$0	\$0	\$300,000	\$100,000	\$100,000	\$500,000	\$0
SUBTOTAL WATER PROJECTS	26,991,760			\$0	\$5,400,000	\$14,350,000	\$17,900,000	\$7,850,000	\$45,500,000	\$11,000,000

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

UTILITIES EXPENDITURES (continued)

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Sewer Projects										
Collection System Extensions by Policy	465,700	C,B	2	\$0	\$100,000	\$100,000	\$0	\$0	\$200,000	\$0
Massaponax Sewage Treatment Plant	34,541,242	C,B	1	\$0	\$10,000,000	\$5,000,000	\$0	\$0	\$15,000,000	\$0
American Central Pump Station Improvements	2,295,000	C,B	2	\$0	\$1,000,000	\$750,000	\$0	\$0	\$1,750,000	\$0
Redirect Hazel Run Pump Station from Massaponax to FMC	939,566	C,B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Deep Run Sewer Improvements	935,300	C,B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner	45,378,388	C,B	1	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000	\$0
Long Branch Sewer	100,000	C,B	2	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Wastewater Collection Extensions to Existing Developments	2,790,092	C,B	2	\$0	\$600,000	\$0	\$0	\$0	\$600,000	\$0
Thornburg Wastewater Transmission Improvements	1,209,796	C,B	2	\$0	\$0	\$3,000,000	\$3,000,000	\$0	\$6,000,000	\$0
SUBTOTAL SEWER PROJECTS	88,655,084			\$0	\$13,200,000	\$8,850,000	\$3,000,000	\$0	\$25,050,000	\$0
TOTAL UTILITIES EXPENDITURES	91,095,084			\$0	\$18,900,000	\$23,500,000	\$21,200,000	\$8,761,111	\$72,361,111	\$12,000,000

UTILITIES REVENUES

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$0	\$3,087,822	\$3,519,556	\$3,936,850	\$3,936,850	\$14,481,078	\$12,000,000
Revenue Bonds		B		\$0	\$15,812,178	\$19,980,444	\$17,263,150	\$4,824,261	\$57,880,033	
TOTAL UTILITIES REVENUES				\$0	\$18,900,000	\$23,500,000	\$21,200,000	\$8,761,111	\$72,361,111	\$12,000,000

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2010 - FY 2014

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
TOTAL FY 2010 - FY 2014 CIP				\$21,257,812	\$62,395,122	\$58,857,733	\$60,041,427	\$39,990,039	\$242,542,133	\$89,229,880

CIP REVENUE SUMMARY

	Total Budget through FY 2009	Funding Source	Class. of Need	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10- FY 14	Costs beyond FY 2014
Cash		C		\$2,667,791	\$7,063,035	\$7,240,980	\$7,432,151	\$7,425,656	\$31,829,614	\$12,133,250
Interest Earnings		IE		\$1,330,219	\$411,060	\$0	\$0	\$0	\$1,741,279	\$0
Proffers		P		\$44,870	\$74,986	\$21,881	\$8,084	\$6,655	\$156,476	\$0
Nov 2001 Fire/Rescue Bond Referenda		F		\$0	\$0	\$7,175,000	\$0	\$0	\$7,175,000	\$0
Nov 2005 Bond Referenda - Gen. Gov't		B		\$10,817,548	\$20,463,647	\$0	\$1,425,150	\$0	\$32,706,345	\$14,707,672
Nov 2005/2006 Bond Referenda - Schools		B		\$0	\$7,551,048	\$8,219,893	\$9,113,402	\$8,144,356	\$33,028,689	\$0
Nov 2005 Bond Referenda - Transportation		TB		\$5,122,384	\$8,651,246	\$10,321,708	\$5,027,177	\$5,544,250	\$34,666,765	\$15,520,467
Future Bonds		FB		\$0	\$0	\$900,257	\$6,197,213	\$737,500	\$7,834,970	\$29,831,547
Revenue Bonds - Utilities		B		\$0	\$15,812,178	\$19,980,444	\$17,263,150	\$4,824,261	\$57,880,033	\$0
Public-Private Partnership		PPP		\$0	\$0	\$0	\$2,365,408	\$6,867,509	\$9,232,917	\$10,786,533
Lease - Purchase		L		\$750,000	\$1,601,255	\$4,472,570	\$3,906,095	\$1,759,899	\$12,489,819	\$0
Other Jurisdictions		OJ		\$0	\$241,667	\$0	\$0	\$666,667	\$908,333	\$0
Transfer from Transportation Fund		TB		\$525,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,625,000	\$0
Reimbursement/aide from State		S		\$0	\$0	\$0	\$6,187,245	\$1,771,409	\$7,958,654	\$3,553,778
Dept. of Social Services State funds				\$0	\$0	\$0	\$591,352	\$1,716,877	\$2,308,229	\$2,696,633
TOTAL FY 2010 - FY 2014 CIP				\$21,257,812	\$62,395,122	\$58,857,733	\$60,041,427	\$39,990,039	\$242,542,133	\$89,229,880

Spotsylvania County, Virginia
FY 2010 - FY 2014 CIP
 Funding Summary - excludes Utilities

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	5-Yr Totals
Projects						
Campus Master Plan	11,817,548	20,633,647	0	4,381,910	8,584,386	45,417,491
Other General Government	3,000,000	2,755,199	3,493,602	8,040,009	1,421,066	18,709,876
Solid Waste	462,661	207,031	2,634,260	3,219,717	2,217,157	8,740,826
Parks & Recreation	86,940	1,294,296	300,000	565,872	361,405	2,608,513
Fire/Rescue Services	0	1,877,655	9,863,270	1,781,095	2,659,899	16,181,919
Transportation	5,647,384	9,176,246	10,846,708	11,739,422	7,840,659	45,250,419
Schools	243,279	7,551,048	8,219,893	9,113,402	8,144,356	33,271,978
TOTAL EXPENDITURES	\$21,257,812	\$43,495,122	\$35,357,733	\$38,841,427	\$31,228,928	\$170,181,022
Funding Sources						
General Gov't Bonds - 2005 Referendum	10,817,548	20,463,647	0	1,425,150	0	32,706,345
General Gov't Bonds - Future Referendum	0	0	900,257	6,197,213	737,500	7,834,970
General Gov't Bonds - Leases	750,000	55,000	1,825,000	2,125,000	100,000	4,855,000
Fire/Rescue Bonds - 2001 Referendum	0	0	7,175,000	0	0	7,175,000
Fire/Rescue Bonds - Future Referendum/Leases	0	1,546,255	2,647,570	1,781,095	1,659,899	7,634,819
Transportation Bonds - 2005 Referendum	5,122,384	8,651,246	10,321,708	5,027,177	5,544,250	34,666,765
School Bonds - 2005/2006 Referendum	0	7,551,048	8,219,893	9,113,402	8,144,356	33,028,699
School Bonds - Future Referendum	0	0	0	0	0	0
Subtotal - Bonds & Leases	\$16,689,932	\$38,267,196	\$31,089,428	\$25,669,037	\$16,186,005	\$127,901,598
Transfer from General Fund	3,180,771	3,796,518	4,457,683	5,168,210	5,938,726	22,541,908
Transfer from Transportation Fund	661,402	667,281	673,414	679,810	686,483	3,368,390
Transfer from Utilities Fund	172,183	179,645	60,104	89,710	156,793	658,435
Subtotal - Transfers from Other Funds	\$4,014,356	\$4,643,444	\$5,191,201	\$5,937,730	\$6,782,002	\$26,568,733
Proffers	44,870	74,986	21,881	8,084	6,655	156,476
Schools' interest earnings	243,279	0	0	0	0	243,279
State Funds - Social Services	0	0	0	591,352	1,716,877	2,308,229
State/Federal Transportation Funds	0	0	0	6,187,245	1,771,409	7,958,654
Public-Private Partnership Financing	0	0	0	2,365,408	6,867,509	9,232,917
Other Sources (other jurisdictions, interest, etc.)	9,000	241,667	0	0	666,667	917,333
Subtotal - Other Sources	\$297,149	\$316,653	\$21,881	\$9,152,089	\$11,029,117	\$20,816,888
TOTAL REVENUE	\$21,001,437	\$43,227,292	\$36,302,510	\$40,786,856	\$33,997,124	\$175,287,219
Capital Projects Fund Balance - Begin FY (Interest earnings)	\$2,799,870	\$2,110,498	\$1,397,283	\$1,883,752	\$3,329,393	
Additions to/(Use of) Fund Balance (Rev to Exp)	(\$256,375)	(\$267,830)	\$944,777	\$1,917,429	\$2,768,196	
Use of Fund Balance - Cap One Lease	(\$145,536)	(\$145,536)	(\$145,536)	(\$145,536)	(\$145,536)	
Use of Fund Balance - Construction Management Team	(\$287,461)	(\$299,850)	(\$312,772)	(\$326,252)	(\$340,312)	
Capital Projects Fund Balance - End of FY (County interest)	\$2,110,498	\$1,397,283	\$1,883,752	\$3,329,393	\$5,611,741	

Spotsylvania County, Virginia
FY 2010 - FY 2014 CIP
 Utilities Funding Summary

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	5-Yr Totals
Projects						
General Utilities Projects	0	300,000	300,000	300,000	911,111	1,811,111
Water Projects	0	5,400,000	14,350,000	17,900,000	7,850,000	45,500,000
Sewer Projects	0	13,200,000	8,850,000	3,000,000	0	25,050,000
TOTAL EXPENDITURES	\$0	\$18,900,000	\$23,500,000	\$21,200,000	\$8,761,111	\$72,361,111
Funding Sources*						
Connection Fees	2,197,660	2,513,900	3,110,900	3,905,600	3,905,600	15,633,660
Revenue Bonds	0	15,812,178	19,980,444	17,263,150	4,824,261	57,880,033
Other Sources	2,500,000	573,922	408,656	31,250	31,250	3,545,078
TOTAL REVENUE	\$4,697,660	\$18,900,000	\$23,500,000	\$21,200,000	\$8,761,111	\$77,058,771
Utilities Fund Balance - Begin FY	\$40,188,336	\$44,648,580	\$40,738,161	\$36,425,074	\$32,185,498	
Additions to/(Use of) Fund Balance - Capital	\$4,697,660	\$0	\$0	\$0	\$0	
Additions to/(Use of) Fund Balance - Operating	(\$237,416)	(\$3,910,419)	(\$4,313,087)	(\$4,239,576)	(\$3,667,066)	
Utilities Fund Balance - End of FY	\$44,648,580	\$40,738,161	\$36,425,074	\$32,185,498	\$28,518,432	

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2010 - FY 2014 Estimated Additional Operational Costs**

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10 - FY 14
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General Government and Judicial Facilities - Campus Master Plan

New Circuit Court Bldg	-	1,696,906	2,211,673	2,186,732	2,162,557	8,257,869
Renovation of Sheriff's Office	-	-	-	149,641	145,722	295,362
Public Safety Building	-	1,680,123	2,176,636	2,151,431	2,126,966	8,135,156
<i>Subtotal Operating Costs</i>	-	-	1,100,590	1,139,756	1,180,427	3,420,773
<i>Subtotal Debt Service Costs</i>	-	3,377,030	3,287,718	3,348,048	3,254,818	13,267,614
SUBTOTAL CAMPUS MASTER PLAN	-	3,377,030	4,388,308	4,487,804	4,435,245	16,688,387

Other General Government Facilities

Animal Shelter Addition	-	-	53,440	573,598	558,539	1,185,577
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	-	53,440	573,598	558,539	1,185,577
SUBTOTAL OTHER GENERAL GOVT	-	-	53,440	573,598	558,539	1,185,577

Information Technology Non-IS Steering Committee Projects

Replace Public Safety Server	-	-	14,839	16,750	16,161	47,750
Install Enterprise-wide Fiber Network	-	-	104,250	175,696	170,000	449,946
AS400 Refresh Upgrade	-	-	49,464	97,500	95,536	242,500
Network Conversion to Microsoft	-	-	99,464	152,179	193,821	445,464
Network Operations Center A/C Replacement	-	2,500	5,000	5,000	5,000	17,500
Disk Expansion	-	-	-	5,000	5,000	10,000
County Website Upgrade	-	-	25,000	25,000	25,000	75,000
UPS Upgrades	-	5,000	5,000	5,000	5,000	20,000
Thornburg Multi-Site Radio System	-	20,000	20,000	20,000	20,000	80,000
Belmont Tower	-	-	-	217,643	209,000	426,643
<i>Subtotal Operating Costs</i>	-	27,500	140,000	222,500	247,500	637,500
<i>Subtotal Debt Service Costs</i>	-	-	183,018	497,268	497,018	1,177,304
SUBTOTAL NON-IS STEERING COMMITTEE	-	27,500	323,018	719,768	744,518	1,814,804

Information Technology IS Steering Committee Projects

Personal Property System Upgrade	-	45,000	45,000	45,000	45,000	180,000
Replace CAMA & Real Estate	148,393	217,500	211,607	205,714	199,821	983,036
Finance System Upgrade - H.T.E.	-	-	79,143	125,464	170,357	374,964
Replace Treasurer's Legacy System	-	35,000	40,000	40,000	40,000	155,000
Land Info Sys. upgrade Clerk of Court	-	-	98,929	144,464	213,571	456,964
MSAG Eagle Upgrade	-	10,882	20,450	20,018	19,586	70,936
Parks & Recreation System Upgrade	-	-	15,000	15,000	15,000	45,000
Jury System Upgrade	-	-	-	6,000	6,000	12,000
Land Record Information System	-	5,000	5,000	5,000	5,000	20,000
<i>Subtotal Operating Costs</i>	-	160,000	190,000	196,000	321,000	867,000
<i>Subtotal Debt Service Costs</i>	148,393	153,382	325,129	410,661	393,336	1,430,900
SUBTOTAL IS STEERING COMMITTEE	148,393	313,382	515,129	606,661	714,336	2,297,900

Solid Waste - Construction/Closing of Landfill cells & Facilities

Benchmark Road Solid Waste Convenience Center	-	-	-	-	77,438	77,438
Chancellor Solid Waste Access Improvements	-	-	41,087	169,160	164,702	374,949
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	-	41,087	169,160	242,139	452,386
SUBTOTAL SOLID WASTE	-	0	41,087	169,160	242,139	452,386

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2010 - FY 2014 Estimated Additional Operational Costs**

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10 - FY 14
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Parks and Recreation - Construction of Facilities and Parks

Patriot Park Storage Building	-	-	15,390	15,937	16,506	47,833
Hunting Run, Phase II	-	-	-	144,884	150,054	294,938
Belmont Park	-	-	139,906	144,884	150,054	434,844
<i>Subtotal Operating Costs</i>	-	-	155,296	305,705	316,614	777,615
<i>Subtotal Debt Service Costs</i>	-	-	-	-	-	-
SUBTOTAL PARKS & REC - FACILITIES	-	-	155,296	305,705	316,614	777,615

Parks & Recreation- Maintenance of existing facilities and parks

Patriot Park Field Lighting	-	12,850	12,850	25,700	25,700	77,100
Spotsylvania Middle School Field Upgrades	-	-	-	-	16,972	16,972
<i>Subtotal Operating Costs</i>	-	12,850	12,850	25,700	42,672	94,072
<i>Subtotal Debt Service Costs</i>	-	-	-	-	-	-
SUBTOTAL PARKS & REC - MAINTENANCE	0	12,850	12,850	25,700	42,672	94,072

Fire/Rescue Services Construction Projects

New Fire/Rescue Station	-	-	753,375	733,644	713,913	2,200,931
Regional Fire Training Center	-	-	-	-	30,011	30,011
<i>Subtotal Operating Costs</i>	-	-	-	-	30,011	30,011
<i>Subtotal Debt Service Costs</i>	-	-	753,375	733,644	713,913	2,200,931
SUBTOTAL F&R CONSTRUCTION	-	-	753,375	733,644	743,924	2,230,942

Fire/Rescue Services - Equipment

Replacement Fire Equipment	-	144,124	300,916	460,246	593,350	1,498,637
Replacement EMS Equipment	-	99,798	200,623	302,526	405,561	1,008,506
Cascade System FC #3, FC#9 & FC#10	-	2,500	3,750	3,750	3,750	13,750
Ladder Truck for 4-Mile Fork area	-	-	136,417	132,063	127,708	396,188
<i>Subtotal Operating Costs</i>	-	2,500	8,750	8,750	8,750	28,750
<i>Subtotal Debt Service Costs</i>	-	243,922	632,956	889,834	1,121,619	2,888,331
SUB TOTAL F&R EQUIPMENT	-	246,422	641,706	898,584	1,130,369	2,917,081

Transportation

PPTA Projects, Phase I	233,350	1,135,620	1,332,662	1,296,816	1,260,970	5,259,418
PPTA Projects, Phase II	-	-	573,334	813,172	1,216,127	2,602,633
Unpaved Roads	304,500	296,525	551,050	809,200	923,700	2,884,975
General Engineer Consultant (GEC)	-	-	21,000	20,450	40,900	82,350
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	537,850	1,432,145	2,478,046	2,939,638	3,441,697	10,829,376
SUBTOTAL TRANSPORTATION	537,850	1,432,145	2,478,046	2,939,638	3,441,697	10,829,376

<i>Total General Gov't & Transportation</i>	\$686,243	\$5,409,328	\$9,362,255	\$11,460,262	\$12,370,052	\$39,288,141
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**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2010 - FY 2014 Estimated Additional Operational Costs**

FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total FY 10 - FY 14
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School Capital Projects

Elementary # 18	-	-	-	-	-	-
Site Acquisitions	-	-	-	-	-	-
Ni River Addition	-	-	-	-	198,619	198,619
Thornburg Addition	-	-	-	-	198,619	198,619
Transportation Buses	-	359,489	713,273	1,085,583	1,451,603	3,609,948
Capital maintenance	-	437,741	688,566	930,632	954,513	3,011,452
Technology - 7 years	-	154,995	757,908	1,473,153	1,607,022	3,993,079
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	952,225	2,159,747	3,489,369	4,410,376	11,011,717

Total School Capital Projects	\$0	\$952,225	\$2,159,747	\$3,489,369	\$4,410,376	\$11,011,717
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Grand Totals - General and School Projects						
Total Operational Costs	-	202,850	1,607,486	1,898,411	2,146,974	5,855,721
Total Debt Service	686,243	6,158,704	9,914,516	13,051,220	14,633,454	44,444,137

Total Gen. Gov't, Trans. & Schools	\$686,243	\$6,361,554	\$11,522,002	\$14,949,631	\$16,780,428	\$50,299,858
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Utility Projects

Debt Service - \$0 borrowed in FY09 for FY10	-	-	-	-	-	-
Debt Service - \$15.8 M borrowed in FY10 for FY11	-	1,087,963	1,087,963	1,087,963	1,087,963	4,351,852
Debt Service - \$20.0 M borrowed in FY11 for FY12	-	-	1,374,762	1,374,762	1,374,762	4,124,287
Debt Service - \$17.3 M borrowed in FY12 for FY13	-	-	-	1,187,798	1,187,798	2,375,596
Debt Service - \$4.8 M borrowed in FY13 for FY14	-	-	-	-	331,935	331,935

Total Utilities Debt Service	\$0	\$1,087,963	\$2,462,725	\$3,650,523	\$3,982,458	\$11,183,670
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Future Bond Referenda
Based on FY 2010 - FY 2014 CIP

Bond Referendum - November:
Bond Sale in May/June:
Proceeds Available for Use in:

	2009 FY 2009	2009 FY 2010	2010 FY 2011	2010 FY 2012	2010 FY 2013	2010 FY 2013	2012 FY 2013	2012 FY 2014	2012 FY 2015	2014 FY 2016	2014 FY 2017	Totals
General Gov't Bonds - Future Referendum												
Livingston Animal Shelter	0	0	508,957	4,967,213	0	0	0	0	0	0	0	5,476,170
Benchmark Rd. Convenience Center	0	0	0	0	737,500	1,410,000	0	0	0	0	0	2,147,500
Chancellor Convenience Access Improvement	0	0	391,300	1,230,000	0	0	0	0	0	0	0	1,621,300
\$0	\$0	\$900,257	\$6,197,213	\$737,500	\$1,410,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,244,970
Fire/Rescue Bonds - Future Referendum												
Replacement Fire Equipment*	0	1,041,862	1,167,956	1,225,000	1,076,000	0	0	0	0	0	0	4,510,818
Replacement EMS Equipment*	0	504,393	529,614	556,095	583,899	0	0	0	0	0	0	2,174,001
Ladder Truck for Four Mile Fork Area*	0	0	950,000	0	0	0	0	0	0	0	0	950,000
\$0	\$1,546,255	\$2,647,570	\$1,781,095	\$1,659,899	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,634,819
School Bonds - Future Referendum**												
Elementary #18	0	0	0	0	0	0	0	0	0	5,957,004	14,321,547	20,278,551
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,957,004	\$14,321,547	\$20,278,551

November Referenda Summary

--General Government	0	7,097,470	2,147,500	0	\$9,244,970
--F/R	1,546,255	4,428,665	1,659,899	0	\$7,634,819
--Schools	0	0	0	20,278,551	\$20,278,551
Referenda Totals	\$1,546,255	\$11,526,135	\$3,807,399	\$20,278,551	\$37,158,340

*Could be financed outside of a bond referenda, based on fiscal policies. However, General Obligation bonds would have a better interest rate than any other option. The Fire & EMS equipment to be purchased in FY 2011 will be leased outside of a bond referendum since these projects do not require voter approval.

**Assumes all capacity remaining from 2005 & 2006 referenda is used for projects planned in FY 2010 - FY 2014 to avoid going to referendum when capacity remains from prior referenda.

General Government and Judicial Facilities

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General Government and Judicial Facilities

Campus Master Plan

Campus Master Plan Implementation (*FY 10 – FY 14 costs = \$45,247,491*)

These projects include funding for the construction of the following Campus Master Plan projects: New Circuit Court Building (60,000 sq ft); Judicial Center Renovation (23,000 sq ft); Judicial Center Addition (95,300 sq ft); Renovation of the Sheriff's Office; Public Safety Building (58,000 sq ft); and a combined Community Development and Human Services Building (48,000 sq ft). All of the projects, except the combined Community Development and Human Services Building, were approved for funding in the November 2005 bond referenda.

Capital Project Design Funding (*FY 10 – FY 14 costs = \$170,000*)

This project funding is established to assist staff in developing more accurate project scope and cost estimates. The funding will be used prior to the actual project design to conduct programming exercises, perform preliminary geo-technical work and site assessments and to produce updated project estimates.

Other General Government Facilities

Facility Asset Management Program (*FY 10 – FY 14 costs = \$4,653,706*)

This program is designed to remedy and prevent any deterioration of County owned buildings. The needs are determined through regular assessments of County properties. Projects include but are not limited to exterior building repairs, interior finish replacements, electrical repairs and upgrades, HVAC system replacements, and plumbing.

Spotsylvania/Fredericksburg Magistrate Facility (*FY 10 – FY 14 costs = \$150,000*)

Each locality is required by the State to provide a Magistrate's Office. For many years, the City of Fredericksburg and Spotsylvania have partnered to provide a centrally located Magistrate's Office. The existing office is located on rented property. Renovations are needed at the existing office, but a constrained site causes renovations to be infeasible. This project will be funded jointly with the City of Fredericksburg.

Spotsylvania Courthouse Museum Floor Replacement (*FY 10 – FY 14 costs = \$350,000*)

The floor of the existing museum is in need of replacement. The renovation work must be performed in a manner that meets certain historic renovation criteria.

Livingston Animal Shelter (*FY 10 – FY 14 costs = \$5,476,170*)

This project includes funding for a new 8,800 sq ft animal shelter to be constructed on the Livingston landfill property and master-planned along with the Livingston Community Center and park facilities. The new shelter will be modeled after the existing animal shelter facility, but will be constructed to accommodate future expansion. The existing shelter on Hudgins Road is on a very constrained site, with no room to expand on existing County-owned property. With the service calls in the western portion of the County, and the need to house animals for long periods of time in conjunction with pending court cases, the new facility will augment the current shelter.

Replace Public Safety Server (FY 10 – FY 14 costs = \$75,000)

The current server will reach the end of its estimated operating life of three years in 2010. As new technologies (such as mobile data and crime analysis) are installed, the existing server is being placed under additional load and may not be capable of handling the increased demands. If this server is not replaced on a scheduled basis, system failure and the resulting loss of data is possible. In addition, the minimum time to order and install a replacement is one month, therefore if the server is not replaced on a scheduled basis, Spotsylvania would be without a Public Safety System during the month that the server is on order.

Installation of an Enterprise-wide Fiber Network (FY 10 – FY 14 costs = \$725,000)

Funding for this project will be used to maintain existing connections and continue connecting County facilities to the main infrastructure at the Spotsylvania County Courthouse complex. This connectivity will support and expand the use of mobile units in the field for various departments. Successfully implemented endeavors such as the Sheriff's Office mobile data terminals in patrol vehicles have proven that mobile technology has a high return on investment. Building out the County's infrastructure will allow the implementation of fiber and wireless connectivity in both rural and urban areas of the County. This expansion will reduce and/or eliminate dependence on third-party telecommunication services, as well as provide necessary redundancy in critical areas of our infrastructure.

AS400 Refresh Upgrade (FY 10 – FY 14 costs = \$250,000)

Information Services has historically refreshed the County's financial applications systems hardware on a four-year cycle, to ensure that critical functionality is available for core financial management operations. The AS400 refresh upgrade was inadvertently removed from the CIP in FY 2008, during budget cuts, and needs to be included on a four-year cycle starting in FY 2012. Failure to upgrade the AS400 on a regular cycle adversely impacts users' ability to efficiently and effectively utilize core financial applications necessary for day-to-day, short-term, and long-term financial management.

Network Operations Center A/C Replacement (FY 10 – FY 14 costs = \$150,000)

This project establishes a replacement cycle for the County's air conditioning units in the county's primary network operations center. The existing three A/C units run 24/7 365 days a year. Each unit is maintained on a regular basis. However, to avoid failure of a unit and the high potential of significant network outages due to the high heat in the network operations center, this funding is requested to schedule the replacement of the two oldest units by 2011.

Disk Space Expansion (FY 10 – FY 14 costs = \$200,000)

As the County continues to rely on technology, the demand for disk space continues to rise, resulting in the need to expand the amount of disk space available for users to store critical County data.

County Website Upgrade (FY 10 – FY 14 costs = \$350,000)

This project includes funding to enhance the County website (www.spotsylvania.va.us) to continue common web features established for communication with the public. Upgrades to the County's website will maintain and continue efficiencies gained through the use of the current website as a tool for communication with the public and offering services via the web.

Network Conversion to Microsoft (*FY 10 – FY 14 costs = \$500,000*)

As technology continues to permeate throughout the County, Information Services has identified the need to migrate to a Microsoft-centric network/operating system/email system. This migration, based on recommendations pending in the 2008 IS Strategic Plan, will allow the County to streamline many processes, improve efficiency and effectiveness of all users, and allow a broader range of technological advances for future systems, and enhancements to existing systems. Approximately 750 users will be affected by this project.

UPS Upgrades (*FY 10 – FY 14 costs = \$375,000*)

This project establishes a 5-6 year replacement cycle for the County's Uninterruptible Power Supply (UPS) in the primary network operations center, the E911 network operations center, the Chancellor tower site, the Livingston tower site, and the Marshall Center. 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.

Public Safety Radio System Enhancements (*FY 10 – FY 14 costs = \$500,000*)

The public safety 800MHz radio system backbone was installed in 1998 to improve radio communications throughout the county for public safety, County, and Schools communication needs. The system has performed successfully over the last ten years, and is now in need of systems upgrades to take advantage of newer technology that would further improve the stability and reliability of the system. Many of the systems that support the radio backbone are running on out-dated technology that needs to be upgraded to reduce risk of failure and continuity of services.

Thornburg Multi-site Radio System (*FY 10 – FY 14 costs = \$475,000*)

The current public safety radio system provides radio coverage to 95% of the County. The other 5% of non-covered areas needs to be addressed to ensure the safety of our citizens, Law Enforcement and Fire/Rescue personnel. Public Safety personnel and the Communications Task Force have identified the Thornburg area as a high priority requiring improved communications. This tower will be co-located on a tower recently installed by the State in the Thornburg area.

Belmont Tower (*FY 10 – FY 14 costs = \$1,100,000*)

This project includes the construction and installation of a 300 ft radio tower and radio repeaters in the west end of the County. The current public safety radio system provides radio coverage to 95% of the County. The other 5% of non-covered areas needs to be addressed to ensure the safety of our citizens, Law Enforcement and Fire/Rescue personnel. Public Safety personnel and the Communications Task Force have identified the Belmont area as a high priority requiring improved communications.

Information Technology IS Steering Committee

Personal Property System Upgrade (*FY 10 – FY 14 costs = \$450,000*)

Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and is due for replacement to maintain and continue efficiencies in the Treasurer's Office.

Replace CAMA and Real Estate Systems (*FY 10 – FY 14 costs = \$750,000*)

The Assessment Office has a computer-aided mass appraisal (CAMA) system in place that streamlines and automates the real estate assessment process to allow for mass appraisal of County properties. The Real Estate Office is currently utilizing a system that is over a decade old and no longer adequately serves the needs of that office. (There are many manual processes being utilized to supplement business needs). Information Services has determined, based on industry trends, that the existing assessment system will have reached its end of life cycle 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 and additional staff will need to be hired to offset service level degradations. Currently, the Real Estate Office and the Assessment Office are not integrated and duplicate data entry is necessary to keep both systems current. This funding will allow integration of the two systems, which will enable the Commissioner of Revenue to meet the changing demands of a growing citizenry.

Financial System Upgrade - H.T.E. (*FY 10 – FY 14 costs = \$650,000*)

Information Services has determined, based on industry trends, that the existing accounting, budgeting and data collection system will have reached its end of life cycle during the five-year CIP period and is due for replacement to maintain and continue current processes and service levels in the Finance and Treasurer's offices.

Replace Treasurer's Legacy System (*FY 10 – FY 14 costs = \$450,000*)

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. With many other departments moving to the new Land Records Information System, replacing the Treasurer's system will maintain the current integration between departments.

Land Information System Upgrade (*FY 10 – FY 14 costs = \$750,000*)

Information Services has determined, based on industry trends, that the existing land information system will have reached its end of life cycle during the five-year CIP period and is due for replacement to maintain current service levels in the Clerk of the Circuit Court's Office.

MSAG Eagle Upgrade (*FY 10 – FY 14 costs = \$55,000*)

Emergency Communications (E-911) currently has a system in place that provides map displays with our most current County GIS information to assist in routing units to calls and helps dispatch centers become ready and equipped for Phase I and Phase II of the FCC Wireless mandate. As GIS, wireless, and remote sensing data continues to mature, additional functionality will be expected of the Emergency Communications department and they will need more robust tools to meet this challenge. The current product will need to keep pace with these demands or will have to be replaced. Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and will be due for replacement during the five-year CIP period. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels.

Parks and Recreation System Upgrade (*FY 10 – FY 14 costs = \$115,000*)

Information Services has determined, based on industry trends, that the existing activity and facility registrations system will have reached its end of life cycle in FY 2011 and is due for replacement to maintain and continue adequate service levels in the Parks and Recreation Department.

Jury System Upgrade (*FY 10 – FY 14 costs = \$60,000*)

Information Services has determined, based on industry trends, that the existing jury selection and summons system will have reached its end of life cycle in FY 2011 and is due for replacement to maintain and continue efficiencies in the Clerk of the Circuit Court.

LRIS (*FY 10 – FY 14 costs = \$100,000*)

The Land Records Information System (LRIS) tracks all aspects of land related data for Spotsylvania County. It incorporates Real Estate, Code Compliance (Building, Zoning, and Environmental Engineering), Planning, Business License, Treasurer, Finance, GIS, Assessment and Circuit Court. Users from all departments are able to access, and maintain land related data real-time in one central location, collaborate seamlessly with other departments, businesses and citizens in disparate locations, and utilize analysis tools within the system to summarize, interpret, and present the data available in the system in a professional manner. Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and will be due for replacement no later than FY 2013. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels.

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Solid Waste

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Solid Waste Projects

Construction/Closing of Landfill Cells & Facilities

Construction of Cell 5 at Livingston Landfill (FY 10 – FY 14 costs = \$1,926,000)

The addition of Cell 5 at the Livingston Landfill will be needed during the five-year CIP period for the future disposal of waste. The cell will be 6.2 acres and is expected to have a useful life of 6 years. Funding for this project includes the estimated cost for engineering, design, Construction Quality Assurance (CQA) fees and construction.

Partial Closure of Cells 3 & 4 (FY 10 – FY 14 costs = \$1,128,000)

Partial closure of cells 3 & 4 will be needed during the five-year CIP period per the Department of Environmental Quality (DEQ) regulations to allow for the future disposal of waste in subsequent cells. The cells total 8.5 acres. This project includes funding for engineering, design, CQA fees and construction costs. Closure requirements include: synthetic cap, drainage system and passive venting system. The County has a 30-year post closure maintenance obligation, which includes erosion control, gas monitoring and groundwater monitoring.

Benchmark Road Consolidated Solid Waste Convenience Center (FY 10 – FY 14 costs = \$737,500)

This project will consolidate the Mine Road and Lee Hill convenience sites into one larger, full-service convenience site. Currently, residents who wish to dispose of large, bulky items such as appliances, furniture, and metal must travel to the Chancellor convenience site. A consolidated convenience site at Benchmark Road would provide greater convenience to the residents of the County who live on the east side of Route 1. The Benchmark Road site will be designed and constructed to allow for future expansion to meet the growing service demands of the County.

Chancellor Solid Waste Convenience Center Access Improvements (FY 10 – FY 14 costs = \$1,621,300)

The Chancellor solid waste convenience center is co-located with an active park. The existing shared access for the convenience center and the park is confusing to some customers and causes congestion that sometimes back traffic out onto Harrison Road. Options for remedying the situation were studied in 2007 with the optimum solution being to provide an access road from the convenience center to the existing traffic signal at Piedmont Drive and Harrison Road.

Wood Waste Collection/Mulching Operation (FY 10 – FY 14 costs = \$577,320)

The current mulching operation located at the Chancellor Public Use Area needs to be relocated to a larger site to accommodate the significant traffic flow and safety concerns associated with the current heavily used site. The Chancellor location is the host site for all wood waste collection for the northern end of the County. Funding for this project includes estimated costs for the purchase of land, site work, entrance and utilities.

Equipment Replacement

Refuse Disposal Equipment Replacement (*FY 10 – FY 14 costs = \$1,503,590*)

In order to comply with State and Federal regulations, it is essential to have all equipment operational. Older equipment is less reliable and more expensive to operate, due to expensive replacement parts and unscheduled down time. Based on historical operations, it is necessary for replacement of heavy equipment/machinery once it has reached approximately 20,000 work hours. The funding for this project will be used to purchase a used articulated dump truck; to rebuild a compactor, two undercarriages and a transmission; and to replace a loader and a compactor.

Refuse Collection Equipment Replacement (*FY 10 – FY 14 costs = \$1,163,949*)

Funding for this project will replace six trucks, a hooklift, and a tub grinder from FY 2010 through FY 2014. General Services has determined that because of trade in values, it is more cost effective to replace trucks with no more than seven years of service and mileage of approximately 250,000 miles. The life expectancy of a tub grinder is 10,000 hours and/or 10 years. By FY 2012, the current grinder will be 14 years old and will be approaching 10,000 service hours. Continued operation of the grinder beyond the manufacturer's life expectancy will result in increased maintenance costs and equipment downtime.

Refuse Collection – Chancellor Trash Compactor (*FY 10 – FY 14 costs = \$83,167*)

Funds are included in FY 2014 for the replacement of a trash compactor used in the collection of household garbage at the Chancellor convenience center. Life expectancy of this machine usually is 10 years and this machine will be in excess of that in FY 2014.

Parks and Recreation

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Parks and Recreation Projects

Construction of Facilities and Parks

Patriot Park Storage Building (FY 10 – FY 14 costs = \$498,000)

The Parks & Recreation Department is in need of a storage building and field office in order to maintain the County's Parks & Recreation facilities. This project consists of a 10,000 sq ft storage building at Patriot Park to include offices for three staff members, outside hazardous materials storage and an open storage space. *The Scope of this project has been revised since the adoption of the CIP. The project will not include any office space, reducing the overall cost.*

Hunting Run, Phase II (FY 10 – FY 14 costs = \$300,000)

Phase II of the Hunting Run park improves the public convenience of the park facility. The Phase I improvements included a mulched trail, but that trail is difficult for disabled users to use to get to an ADA pier. Portable units provide sanitary waste disposal and there is no public drinking water at the Phase I facility. As part of Phase II, paving of the entrance road and gravel parking areas will reduce ongoing maintenance. Additional improvements include a permanent check-in station and restrooms, well and septic systems, floating pier next to boat ramp, driveway for engine pick up and drop off, pervious trail to the ADA fishing pier constructed with Phase I and paving the existing gravel entrance road and parking areas.

Belmont Park (FY 10 – FY 14 costs = \$300,000)

This project includes installation of a parking area and pervious concrete trail at Belmont Park located off Belmont Road. The site plan for this project was completed in 2008.

Patriot Park Field Lighting (FY 10 – FY 14 costs = \$1,149,108)

This project includes purchase of and installation of lights for two regulation rectangular fields and two regulation diamonds at Patriot Park. This lighting will permit games to be played on the fields early in the school season which, without the lights, would be completed in unfavorable lighting conditions and allows Parks and Recreation to complete more games in a timely manner.

Spotsylvania Middle School Field Upgrades (FY 10 – FY 14 costs = \$361,405)

Upgrades are needed at several fields at Spotsylvania Middle School, in order to meet the current standards in the Comprehensive Public Facilities Plan. This project will upgrade the condition of existing fields to game fields making them safer and in greater demand. It is expected that improvement of the fields to game fields will increase the field usage from approximately 20,000 individuals annually to more than 55,000. This estimate of use assumes the fields will be used for games and for practices as opposed to the current practice-only situation.

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Fire and Rescue

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Fire and Rescue Projects

Construction Projects

New Fire/Rescue Station (*FY 10 – FY 14 costs = \$7,175,000*)

Funding of this project will permit the construction of one fire/rescue station using the amount remaining to be issued from the 2001 bond referendum for fire/rescue projects.

Regional Fire Training Center (*FY 10 – FY 14 costs = \$1,250,000*)

This project is planned to be a joint project with participation from Spotsylvania County, the City of Fredericksburg and King George County. This project will allow County responders to train and be prepared to deal with a wide variety of emergency circumstances. Frequent and realistic training will better prepare the responders to react in a true emergency and function efficiently and effectively while taking actions to reduce the potential for injuries to themselves and others. A master plan for this facility has been developed. This center will also serve as a reliable source for pumper testing, which is a critical ISO requirement. Phase I will provide a concrete apron around the burn building. Phase II will provide permanent classrooms, restrooms, showers and burn pit.

Equipment

Replacement Fire Equipment (*FY 10 – FY 14 costs = \$4,510,818*)

The scheduled replacement of antiquated Fire/Rescue equipment will ensure that responders can meet the emergency needs of Spotsylvania County. We anticipate the need for funding to replace two engines, three brush trucks, one tanker truck, one ladder truck, one squad and two wagons from FY 2011 through FY 2014. A yearly review of equipment will determine the specific apparatus to be replaced during the year. Fire/Rescue continues to work to develop standard fire equipment specifications for future bids and will seek multi-year contracts to help reduce the costs of this replacement equipment.

Replacement EMS Equipment (*FY 10 – FY 14 costs = \$2,174,001*)

The scheduled replacement of antiquated EMS equipment will ensure that responders can meet the emergency needs of Spotsylvania County. We anticipate the need for funding to replace 12 EMS units from FY 2011 through FY 2014. A yearly review of equipment will determine the specific apparatus to be replaced during the year. Fire/Rescue continues to work to develop standard EMS equipment specifications for future bids and will seek multi-year contracts to help reduce the costs of this replacement equipment.

Cascade System Fire Companies #3, #9 and #10 (*FY 10 – FY 14 costs = \$122,100*)

There are three fire stations that do not have the ability to refill SCBA and SCUBA air tanks. These stations are FC #3 (Partlow), FC #9 (Belmont) and FC #10 (Salem Fields), each of which are located at or very near Lake Anna. The procurement of these units will allow the existing fire stations to each have a cascade system to address this need at the station level.

Ladder Truck for Four-Mile Fork Area (*FY 10 – FY 14 costs = \$950,000*)

The Four-Mile Fork area of the County has a high concentration of hotels, businesses, commercial buildings, industrial buildings and residential dwellings. This area is also one of the busiest response areas in the County. The current ladder truck response to this area is provided by FC/RS #6, FC #1 or through mutual aid with Fredericksburg Fire Department. This area of the County needs an aerial device to provide the ability to reach upper floors and for the specialized equipment that is carried on this vehicle. The location of this vehicle will complete the current need for any other aerial devices in the County in the near future and may have a positive impact on the Insurance Services Office (ISO) rating in that area of the County.

Transportation

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Transportation

Transportation – Rural Additions (*FY 10 – FY 14 costs = \$125,000*)

This project provides \$25,000 annually for preliminary survey work and related fees on road projects being considered for inclusion in the state road system and to meet immediate improvement needs as designated. Funding for this project is provided from the Transportation Fund.

Transportation – Phase I PPTA Projects (*FY 10 – FY 14 costs = \$14,535,013*)

Funding for these projects was approved by the voters in the November 2005 referenda and will address the transportation projects approved by the Board of Supervisors in October 2007 to be implemented during FY 2010 and FY 2012, through a Comprehensive Agreement with Spotsylvania County Infrastructure, LLC.

Phase I projects funded in this CIP are:

- Harrison Road West intersection construction
- Harrison Road West widening from Leavells/Salem Church intersection to connector road
- Massaponax Church Road improved 2-lane from Rt. 17 to Hickory Hill Drive

Transportation – Phase II PPTA Projects (*FY 10 – FY 14 costs = \$20,890,406*)

Funding for these projects was approved by the voters in the November 2005 referenda and will address the transportation projects approved by the Board of Supervisors in October 2007 to be implemented during FY 2012 through FY 2014.

Phase II projects funded in this CIP are:

- Harrison Road/Rt. 1 intersection improvements
- Mine/Falcon/Spotsylvania intersection improvements
- Massaponax Church/Rt 1 intersection improvements
- Jones Powell – improved 2-lane from Lawyers Road to Belmont Road
- Leavells/Galaxie intersection improvements
- Leavells bridge and floodplain work
- Smith Station/Courthouse intersection improvements
- Smith Station/Massaponax Church Road intersection improvements

Unpaved Roads (*FY 10 – FY 14 costs = \$9,300,000*)

Funding for this project will address the “poor” and “fair” unpaved road projects approved by the voters in the November 2005 Bond Referendum. Costs in the Capital Improvement Program for unpaved roads have been developed using updated costs through VDOT’s Pave in Place program, and the Project Cost Estimating System. Eligible Pave in Place projects have been determined through field screening by VDOT.

Currently unpaved roads ranked “poor” on the Unpaved Road inventory are Ham’s Ford Road, Sunnybrooke Farm Road, Tribble Road, Pepper Tree Road, Gladly Fork Road and Stewart Road. Those ranked “fair” on the same inventory are Belfonte Road, Williams Lane, Spotswood

Furnace Road, Woolfolk Road, Twilight Lane/Blaydes Corner, Sullivan Road, Mastin Lane, Parker Lane, Mallard Point Lane, Ryland Payne Road, Wigglesworth Road, and White Shop Lane. (**Note:** The through-unpaved roads of Towles Mill Road, Lanes Corner Road and Grand Brooks Road will be hard-surfaced through a combination of prior year's funding and future VDOT Secondary Road 6-year plan funds.)

General Engineering Consultant (GEC) (*FY 10 – FY 14 costs = \$400,000*)

In the November 2005 referenda, the voters approved the borrowing of bonds to address transportation needs in the County. Significant work is performed by the GEC to establish cost estimates for such transportation projects. Staffing of the Capital Projects Management Department has reduced the costs of GEC services, but GEC services continue to be needed for inspections and testing related to road construction projects and for transportation consulting services.

School Capital Projects

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School Capital Projects

Construction Projects

Ni River Middle School Addition (*FY 10 – FY 14 costs = \$1,891,611*)

Addition of four classrooms and ancillary facilities to provide space for 100 additional students.
Completion: Fall 2014

Thornburg Middle School Addition (*FY 10 – FY 14 costs = \$1,891,611*)

Addition of four classrooms and ancillary facilities to provide space for 100 additional students.
Completion: Fall 2014

Non-Construction Projects

Transportation (*FY 10 – FY 14 costs = \$11,021,926*)

Purchase of school buses for growth and/or replacements. Over the five-year CIP period these replacement vehicles include 116 77-passenger buses, and 30 special education buses. Additional buses included in the CIP include 14 77-passenger buses and 4 special education buses.

Capital Maintenance (*FY 10 – FY 14 costs = \$9,857,240*)

Funding for this project addresses capital maintenance for existing School facilities and includes repair and/or replacement of HVAC systems, roof systems, humidity control, resurfacing of parking lots, tennis courts/tracks, telephone/intercom systems, flooring/carpeting, painting, purchase of cafeteria equipment, etc.

Technology Replacements/Upgrades (*FY 10 – FY 14 costs = \$8,609,590*)

Funding for this project addresses maintenance, repair and replacement of computers, servers, switches, and networks throughout the school division.

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Utilities

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Utilities

General Projects

Economic Development Infrastructure Improvements (*FY 10 – FY 14 costs = \$400,000*)

This program includes public water and wastewater projects that the Board of Supervisors determines are needed to attract or secure private sector projects that the Board deems appropriate for the economic development of the County. These projects could include the upgrading or extending of the County's water transmission and distribution systems, sewage collection and transmission systems, or other water supply and sewerage system components the Board decides are needed to support or attract economic development activities that advance the Board's adopted plans and vision.

Utility Complex Expansion (*FY 10 – FY 14 costs = \$611,111*)

The growth of the Utility departments' GIS, Engineering and Field Services Division has resulted in a shortage of office, meeting and storage space. These funds will be used for expansion of the existing sewer building and equipment storage building.

System Improvement Opportunities with Developers (*FY 10 – FY 14 costs = \$400,000*)

This project provides funding for the County to avail itself of opportunities that arise when water or sewer lines that a developer installs for his project could, if extended or enlarged, serve other County needs beyond the developer's project.

Security Improvements (*FY 10 – FY 14 costs = \$400,000*)

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) signed June 12, 2002 amended the Safe Drinking Water Act §4133(a)(1) to require vulnerability assessments for waterworks within the United States.

Water Projects

Motts Run Water Treatment Plant (*FY 10 – FY 14 costs = \$29,850,000*)

This project includes funding for the Project management and construction of Motts Run Water Treatment Plant (WTP) expansion, and Rappahannock River Raw Water Intake. Increasing demand projections show expansion of Motts Run WTP will be required in the next few years. Planning began in FY 2008 and continues in FY 2009.

Ni River Treatment Plant Improvements (*FY 10 – FY 14 costs = \$2,000,000*)

This project consists of replacement of three different proprietary coagulation and flocculation systems with a single system, improvements to the filtration system, modernization of the control system, replacement of the undersized residuals force main and other improvements. The project is necessary to assure that the plant can treat and deliver its permitted six million gallons per day (MGD) of production.

Distribution System Extensions by Policy (*FY 10 – FY 14 costs = \$400,000*)

This project includes funding to allow for water distribution lines that may be extended at citizens' requests and for metering equipment for new developments. This is not a Water/Sewer Master Plan project, but instead is a project that is funded pursuant to the Board of Supervisors' extension policy.

Five-Mile Fork Water Transmission Improvements (*FY 09 – FY 13 costs = \$4,000,000*)

This project includes funding for a required segment of 24-inch water line and a new water line from Andora Drive to the new Sawhill tank and a waterline from the new tank to Fawn Lake. These projects are included in the 2002 W/S Master plan. This project, although not specifically included in the Water/Sewer Master Plan, is necessary to improve flow to the Fawn Lake area due to irrigation demands and to replace an existing AC pipe.

Thornburg Water Transmission Improvements (*FY 10 – FY 14 costs = \$6,950,000*)

This project includes funding for water transmission improvement projects between Four Mile Fork and Massaponax Church. Projects include a 24" main from Lee's Park to Rt. 1, and 12" line to Cedar Forest Elementary School, and a 12" line to Smith Station Road/YMCA area and a 24" main from Patriot Park to Rt. 208 trails. Funding also includes a water storage tank for the Thornburg area.

New Post Water Transmission Facilities (*FY 10 – FY 14 costs = \$1,000,000*)

Future funds were added for the replacement of 12-inch cast water line from Benchmark Road to Landsdowne Road.

New Water Source (*FY 10 – FY 09 costs = \$800,000*)

This project consists of the planning, engineering, permitting, and regulatory compliance efforts required to identify and develop a new source of water supply for the County's waterworks. The County's current aggregate safe yield is between 21 and 22 million gallons per day (MGD). An additional source is required in order to increase the factor of safety (ratio of source to demand) to accommodate extreme drought events, changes in the regulatory process that could reduce current safe yields, potential expansion of the primary development boundary, and to ensure that demands generated by build-out development can be served.

Conversion of Radio Reading System for Water Meters (*FY 10 – FY 14 costs = \$500,000*)

This project retrofits existing meters with radio read technology. Some users of radio-read technology purport that once a utility is fully equipped with this integrated metering and communication solution, a utility can expect efficiency to increase by 70-90%.

Sewer Projects

Collection System Extensions by Policy (FY 10 – FY 14 costs = \$200,000)

This project provides an allowance for sewer lines that may be extended at citizens' requests pursuant to the Board of Supervisors extension policy. This is not a Water/Sewer Master Plan project. It is a project that is funded pursuant to the Board of Supervisors' extension policy.

Massaponax Sewage Treatment Plant (FY 10 – FY 14 costs = \$15,000,000)

This project is the expansion and upgrade of an existing wastewater treatment plant from 6 MGD to an 8 MGD plant with accommodation for future expansions to 16 MGD. The project will also include facilities for biological nutrient removal and odor control. Funds are needed in anticipation of future engineering services for changing regulations and /or growth for influent flows greater than 8 MGD. The Massaponax STP was included in the Water/Sewer Master Plan.

American Central Pump Station Improvements (FY 10 – FY 14 costs = \$1,750,000)

This project consists of replacement of three pump stations with gravity sewers and one regional pump station. This project is to abandon pump stations in favor of gravity sewers and to modernize and consolidate pump stations. The project also includes rehabilitation of Fawn Lake Subdivision pump stations.

Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner (FY 10 – FY 14 costs = \$1,500,000)

This project consists of four phases to replace the existing Massaponax Interceptor. The project includes design, bid, award and construction. Funds for this project (Phase II A&B) were advanced due to scheduling of construction driven by consent order from DEQ. This project is part of the 2002 Water/Sewer Master Plan. The project is necessary to ensure adequate sewer capacity for the County as part of the 2002 Water Sewer Master Plan.

Wastewater Collection Extensions to Existing Developments (FY 10 – FY 14 costs = \$600,000)

This project includes funding for extensions of sanitary sewers into existing developments where no public sewer is available. 31,044 linear feet of sewer line pipe needs replacement or rehabilitation in the Spotswood Estates subdivision according to the SSO compliance study. Approximately 500 connections are affected.

Thornburg Wastewater Transmission Improvements (FY 10 – FY 14 costs = \$6,000,000)

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 2100 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 WWTP and Matta River drainage basin flows.

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