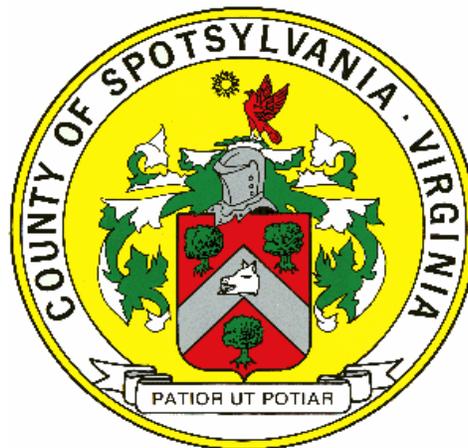


FY 2009 – FY 2013

Capital Improvement Plan



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CAPITAL IMPROVEMENT PLAN

FY 2009 – FY 2013

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 construction projects that exceed available budgeted operating 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. At the minimum it 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 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 continues to grow, 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 December 2006. Those guidelines can be found in the appendix of the County Administrator's FY 2009 Recommended Budget.

The CIP is a planning guide for development, modernization and/or replacement of County facilities. While it serves as a multi-year plan, with exception of the first year of the CIP which becomes the adopted capital budget, the CIP is always subject to change.

Programming capital facilities over time will facilitate better use of the County's financial resources and assist 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 formulas for funding highways, etc. will continue at present levels.

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 4.75 percent.

Consistent with the approved Fiscal Policy Guidelines, cash available for General Fund projects is at 1.25 percent of General Fund revenues (less obligated transfers) in FY 2009 and increases by 0.25 percent each year thereafter.

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 2009 transfer is 1.25% 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 2008, the County's Undesignated Fund Balance is not expected to exceed the 10% of General Fund revenues guideline. As such, the FY 2009 – FY 2013 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 table below includes all of the parameters that were used to determine total project costs during each phase, from concept to construction. The new consolidated Fire/EMS facilities are all budgeted to provide a 15,000 square foot building. The cost estimation model below was used to develop estimates for the projects in the FY 2009 – FY 2013 CIP. The example shown below assumes a 15,000 sq ft building that would not require land acquisition.

	2008	2009	2010	2011	2012	2013
Building Size sq. ft.	15,000					
Site Size acres	2					
Land Acquisition (3%/yr)						
Project Design (14%/yr inflation)	\$ 587,965.00	\$ 629,122.55	\$ 673,161.13	\$ 720,282.41	\$ 770,702.18	\$ 824,651.33
Site Development (7%/yr inflation)	\$ 749,000.00	\$ 801,430.00	\$ 857,530.10	\$ 917,557.21	\$ 981,786.21	\$ 1,050,511.25
Building Construction (7%/yr inflation)	\$ 3,450,750.00	\$ 3,692,302.50	\$ 3,950,763.68	\$ 4,227,317.13	\$ 4,523,229.33	\$ 4,839,855.38
Construction Admin & Testing (3%/yr inflation)	\$ 125,992.50	\$ 134,811.98	\$ 144,248.81	\$ 154,346.23	\$ 165,150.47	\$ 176,711.00
Utilities water elec. (7%/yr inflation)	\$ 80,250.00	\$ 85,867.50	\$ 91,878.23	\$ 98,309.70	\$ 105,191.38	\$ 112,554.78
Data	\$ 240,750.00	\$ 257,602.50	\$ 275,634.68	\$ 294,929.10	\$ 315,574.14	\$ 337,664.33
Furniture Fixtures and Equipment (6% of Site Development plus Construction)	\$ 251,985.00	\$ 269,623.95	\$ 288,497.63	\$ 308,692.46	\$ 330,300.93	\$ 353,422.00
Subtotal	\$ 5,486,692.50	\$ 5,870,760.98	\$ 6,281,714.24	\$ 6,721,434.24	\$ 7,191,934.64	\$ 7,695,370.06
Contingency (15% of Subtotal Costs)	\$ 823,003.88	\$ 880,614.15	\$ 942,257.14	\$ 1,008,215.14	\$ 1,078,790.20	\$ 1,154,305.51
Total Cost	\$6,309,696.38	\$6,751,375.12	\$7,223,971.38	\$7,729,649.38	\$8,270,724.83	\$8,849,675.57

Where site locations are known (Lees Hill Fire/EMS, Chancellor Solid Waste Convenience (SWC) Center Access Road, Benchmark Road SWC), staff contacted listing Real Estate agents for today's market price, and adjusted for inflation by 3% per year. 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:

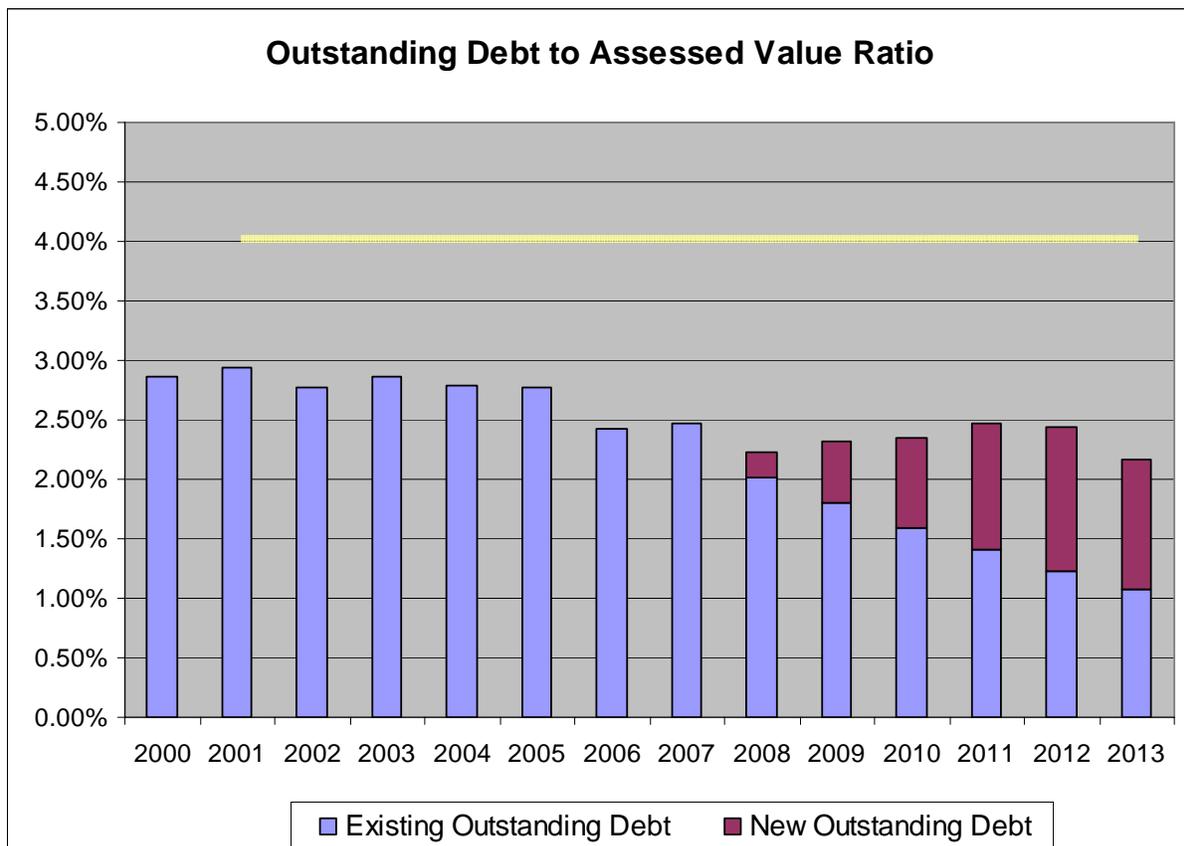
- Net debt as a percentage of estimated market value taxable should not exceed 3% - 4%
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 10% - 12%

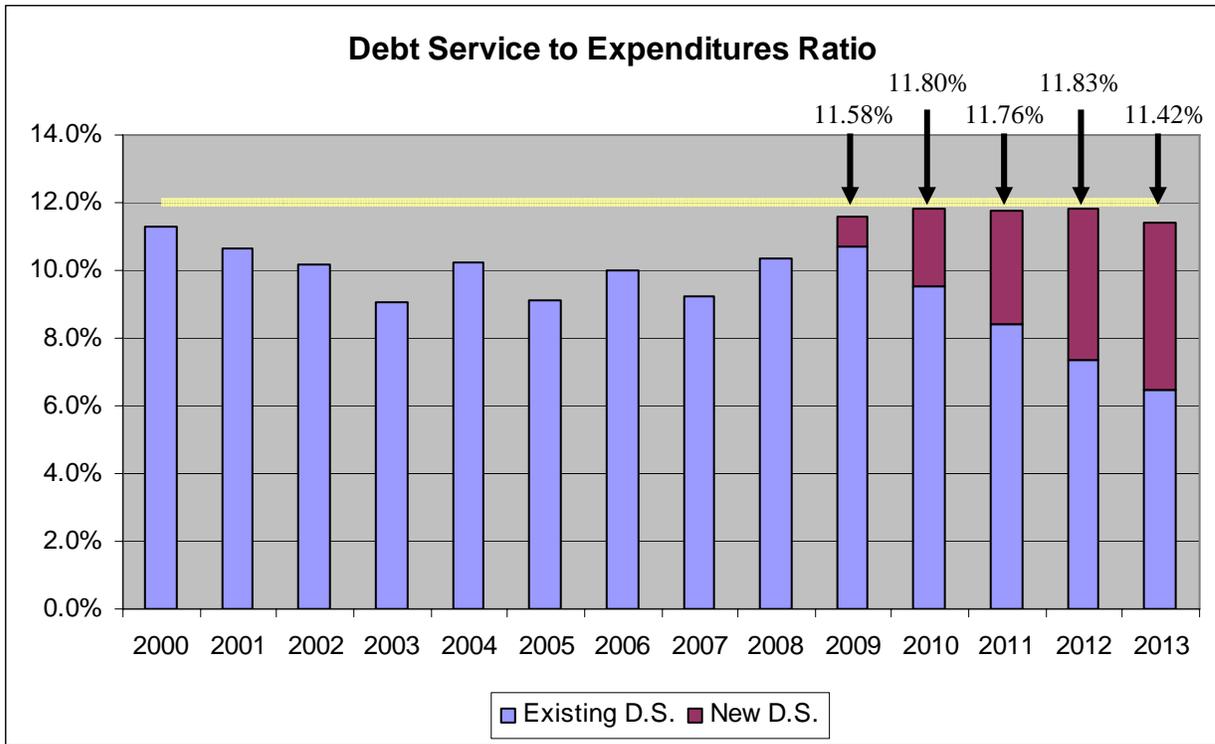
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio at or above 60% at the end of each adopted CIP. The payout ratio shall be no less than 55% in any one year during that period.

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 bond sales is level payment for the 2008 sale, with level principal assumed for all subsequent sales
- Long-term bonds are structured with 20-year terms
- Short-term bonds are structure 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 and personal property are 3.5% and 7.0%, respectively
- Expenditures growth is 8.0%
- The interest rate paid on borrowed funds is fixed at 4.75%, while the interest rate earned on accumulated funds is 3.5%

The following displays indicate that the FY 2009 – FY 2013 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 2009, including the bonds to be issued in Spring 2008, total general debt outstanding is estimated at \$367.0 million. In FY 2018, ten fiscal years beyond FY 2009, the County will have repaid \$221.9 million, or 60.44% of the debt outstanding at the beginning of FY 2009.

10-Yr Payout Ratio (must be > 55%)	
FY	Payout Ratio
FY 2009	60.44%
FY 2010	61.60%
FY 2011	62.31%
FY 2012	62.25%
FY 2013	63.46%

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 2009, the transfer from the General Fund to the Capital Projects Fund is budgeted at 1.25% of General Fund revenues.

The majority of this transfer (\$2.4 million) is used in FY 2009 to establish a reserve within the Capital Projects Fund to provide some flexibility given the uncertain economy. The projects previously planned for cash funding from this transfer were shifted to FY 2010 (see page 210 for a list of the shifted projects). If the economy stabilizes and this reserve is not needed to balance the General Fund in FY 2009, a recommendation will be made to the Board to allocate a portion of this reserve to at least some of the projects the transfer was originally intended to fund.

Operating Impact

The following table shows the impact implementation of the FY 2009 – FY 2013 CIP could potentially 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. The “Additional D.S. Budget Needed” column represents the debt service that is over and above the debt service budgeted in FY 2009. The Incremental Tax Rate Impact” shows the tax rate increase necessary each year to fund the approved CIP.

FY 2009 – FY 2013 CIP’s Potential Impact on Tax Rate									
<u>FY</u>	<u>Value of \$0.01</u>	<u>Debt Service Impact</u>			<u>Operational Impact</u>			<u>Total</u>	
		<u>Additional D.S. Budget Needed</u>	<u>Estimated Tax Rate Impact</u>	<u>Incremental Tax Rate Impact</u>	<u>Add'l Operational Budget Needed</u>	<u>Estimated Tax Rate Impact</u>	<u>Incremental Tax Rate Impact</u>	<u>Estimated Tax Rate Impact</u>	<u>Incremental Tax Rate Impact</u>
2009	\$1,500,000								
2010	1,622,093	\$4,534,746	\$0.028	\$0.028	\$2,784,241	\$0.017	\$0.017	\$0.045	\$0.045
2011	1,678,866	8,212,449	0.049	0.021	3,131,630	\$0.019	0.001	\$0.068	\$0.022
2012	1,737,626	12,735,972	0.073	0.024	8,464,174	\$0.049	0.030	\$0.122	\$0.054
2013	1,798,443	14,907,098	0.083	0.010	10,517,172	\$0.058	0.010	\$0.141	\$0.019

Given the projected CIP expenditures for the next five years, the tax rate would need to increase by a total of 14.1 cents by FY 2013. Of this amount, 8.3 cents is associated with debt service while the remaining 5.8 cents is associated with on-going operating cost related to the projects.

Additionally, estimated annual operating costs including the debt service associated with each project are displayed beginning on page 307.

Note: Since the adoption of the FY 2009 Budget, the spending timelines for several of the projects have changed, allowing the County to revise its borrowing plan for the FY 2009 – FY 2013 CIP.

Spotsylvania County
FY 2009 - FY 2013
Capital Improvements Plan Calendar

September 1, 2007	Existing CIP & new project request forms sent to departments for their review and updates
September 26, 2007	Departments submit construction project requests/revisions to Capital Projects Management Department; non-construction project requests/revisions to Finance Department
November 9, 2007	Schools submits CIP to Capital Projects Management Department
November 9, 2007	Capital Projects Management Department sends CIP information to Finance for all construction projects
November 16, 2007	Finance sends CIP to Zoning for review of proffer funding available
November 17, 2007	Finance sends draft CIP to Financial Advisors for funding evaluation
November 30, 2007	Capital Projects Management Department sends construction project information to the Planning Department for submission to the Planning Commission
December 20, 2007	Finance Committee reviews CIP
January 2, 2008	Planning Commission reviews CIP
February 26, 2008	Board of Supervisors work session to discuss CIP
April 1, 2008	Tax Rate, Budget and CIP Public Hearings
April 10, 2008	Adopt Tax Rate, Budget and CIP

CIP Summary

Following is a summary of the projects included in the FY 2009 – FY 2013 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

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

Additionally, estimated annual operating costs including the debt service associated with each project are displayed beginning on page 307.

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2009 - FY 2013 CIP may be found beginning on page 311.

Spotsylvania County, Virginia
FY 2009 - FY 2013 Capital Improvements Plan
Project Summary By Fund

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2009 - FY 2013 Total
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General Government Projects:

General Government and Judicial Facilities	17,750,133	30,127,120	10,829,941	15,659,101	14,676,926	89,043,221
Solid Waste	0	1,767,331	2,507,298	2,093,070	1,503,317	7,871,016
Parks and Recreation	0	2,034,781	411,060	865,872	4,115,700	7,427,413
Fire and Rescue Services	6,367,238	4,456,767	3,616,170	4,104,425	2,859,899	21,404,499
General Government Total	24,117,371	38,385,999	17,364,469	22,722,468	23,155,842	125,746,149

Transportation Total	14,016,087	14,381,946	25,746,234	42,293,973	31,920,097	128,358,337
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School Total *	6,111,960	17,789,580	33,537,288	29,302,311	9,031,049	95,772,188
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* School projects are from the School Board's Adopted CIP of November 26, 2007 and modified February 11, 2008.

Utility Projects:

General Utility Projects	200,000	250,000	100,000	200,000	911,111	1,661,111
Water Projects	4,850,000	1,850,000	4,150,000	8,340,489	24,800,000	43,990,489
Sewer Projects	25,626,472	21,183,088	14,505,392	3,300,000	7,800,000	72,414,952
Utilities Total	30,676,472	23,283,088	18,755,392	11,840,489	33,511,111	118,066,552

CIP Total, All Funds	74,921,890	93,840,613	95,403,383	106,159,240	97,618,099	467,943,225
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

GENERAL GOV'T EXPENDITURES

Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
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General Government and Judicial Facilities - Campus Master Plan

New Circuit Court Bldg.	1,902,100	B	1	\$8,901,000	\$13,920,900	\$0	\$0	\$0	\$22,821,900	\$0
Judicial Center Renovation	373,750	B	1	\$0	\$0	\$2,074,084	\$1,785,660	\$0	\$3,859,744	\$0
Judicial Center Addition	782,000	B	1	\$0	\$0	\$5,917,050	\$4,930,877	\$0	\$10,847,928	\$0
Renovate Current Sheriff's Office	41,860	B	1	\$0	\$0	\$0	\$0	\$1,425,150	\$1,425,150	\$0
Public Safety Bldg	1,674,400	B	2	\$7,623,000	\$11,923,100	\$0	\$0	\$0	\$19,546,100	\$0
Community Development Bldg		PPP	2	\$0	\$0	\$0	\$1,478,380	\$5,525,888	\$7,004,268	\$5,525,888
Human Services Bldg		PPP, DSS	2	\$0	\$0	\$0	\$1,478,380	\$5,525,888	\$7,004,268	\$5,525,888
Capital Project Design Funding	205,256	C	2	\$0	\$170,000	\$220,000	\$41,560	\$0	\$431,560	\$0
Subtotal - Campus Master Plan	4,979,366			\$16,524,000	\$26,014,000	\$8,211,134	\$9,714,858	\$12,476,926	\$72,940,918	\$11,051,776

Other General Government Facilities

Facility Asset Management Program	1,816,077	C	2	\$0	\$1,400,000	\$800,000	\$870,000	\$950,000	\$4,020,000	\$0
Massaponax Branch Library		FB	3	\$0	\$0	\$0	\$0	\$0	\$0	\$16,702,515
Chancellor/Salem District Library		FB	3	\$0	\$0	\$0	\$0	\$0	\$0	\$18,334,134
Spotsylvania/Fredericksburg Magistrate Facility	150,000	C, OJ		\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Spotsylvania Courthouse Museum Floor Replacement		C		\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$0
Livingston Animal Shelter		C, FB	3	\$0	\$83,120	\$1,418,807	\$3,974,243	\$0	\$5,476,170	\$0
Subtotal - Other General Gov't Facilities	1,966,077			\$150,000	\$1,483,120	\$2,218,807	\$4,844,243	\$1,300,000	\$9,996,170	\$35,036,649

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

GENERAL GOV'T EXPENDITURES (continued)

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Information Technology non-IS Steering Committee projects										
Replace Public Safety Server	50,000	L	2	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0
Installation of an Enterprise-wide Fiber Network	502,000	L	3	\$325,623	\$350,000	\$0	\$0	\$0	\$675,623	\$0
Thornburg multi-site Radio System	-	C		\$0	\$250,000	\$225,000	\$0	\$0	\$475,000	\$0
Belmont Tower		C	2	\$0	\$0	\$0	\$1,100,000	\$0	\$1,100,000	\$0
Subtotal - IS Non- ISSC projects	552,000			\$325,623	\$675,000	\$225,000	\$1,100,000	\$0	\$2,325,623	\$0
Information Technology IS Steering Comm. projects										
			ISSC Priority rating							
Personal Property System Upgrade		C	10.00	\$0	\$400,000	\$0	\$0	\$0	\$400,000	\$0
Replace CAMA (Computer Aided Mass Appraisal) & Real Estate	222,490	L	13.50	\$750,510	\$0	\$0	\$0	\$0	\$750,510	\$0
Financial System Upgrade - H.T.E.		L	9.00	\$0	\$500,000	\$0	\$0	\$0	\$500,000	\$0
Replace Treasurer's Legacy System	450,000	C	8.25		\$250,000				\$250,000	\$0
Land Info System Upgrade - Clerk of Court		L	7.00	\$0	\$750,000	\$0	\$0	\$0	\$750,000	\$0
MSAG Eagle Upgrade		L	13.25	\$0	\$55,000	\$0	\$0	\$0	\$55,000	\$0
Parks and Recreation System Upgrade		C	7.25	\$0	\$0	\$115,000	\$0	\$0	\$115,000	\$0
Jury System Upgrade		C	7.75	\$0	\$0	\$60,000	\$0	\$0	\$60,000	\$0
LRIS (Land Records Information System)		C	11.25	\$0	\$0	\$0	\$0	\$900,000	\$900,000	\$0
Subtotal - IT ISSC Projects	672,490			\$750,510	\$1,955,000	\$175,000	\$0	\$900,000	\$3,780,510	\$0
TOTAL GENERAL GOV'T EXPENDITURES	8,169,933			\$17,750,133	\$30,127,120	\$10,829,941	\$15,659,101	\$14,676,926	\$89,043,221	\$46,088,425

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

GENERAL GOV'T REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$34,832	\$2,553,120	\$1,420,000	\$2,011,560	\$2,200,000	\$8,219,512	\$0
Proffers		P		\$40,168	\$0	\$0	\$0	\$0	\$40,168	\$0
Nov 2005 Bond Referenda		B		\$16,524,000	\$25,844,000	\$7,991,134	\$6,716,538	\$1,425,150	\$58,500,822	\$0
Public Private Partnership		PPP		\$0	\$0	\$0	\$2,365,408	\$8,841,421	\$11,206,829	\$8,841,421
Lease - Purchase		L		\$1,076,133	\$1,730,000	\$0	\$0	\$0	\$2,806,133	\$0
Dept. of Social Services State funds		DSS		\$0	\$0	\$0	\$591,352	\$2,210,355	\$2,801,707	\$2,210,355
Other Jurisdictions		OJ		\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$0
Future Bonds		FB		\$0	\$0	\$1,418,807	\$3,974,243	\$0	\$5,393,050	\$35,036,649
TOTAL GENERAL GOV'T REVENUES				\$17,750,133	\$30,127,120	\$10,829,941	\$15,659,101	\$14,676,926	\$89,043,221	\$46,088,425

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

SOLID WASTE EXPENDITURES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
<i>SOLID WASTE - Construction/Closing of Landfill Cells & Facilities</i>										
Construction of Cell 5 at Livingston Landfill		C	1	\$0	\$42,000	\$1,884,000	\$0	\$0	\$1,926,000	\$0
Partial Closure Cells 3 & 4	130,812	C	1	\$0	\$0	\$0	\$1,128,000	\$0	\$1,128,000	\$0
Benchmark Road Consolidated Solid Waste Convenience Center		FB		\$0	\$0	\$0	\$0	\$0	\$0	\$2,147,500
Chancellor Solid Waste Convenience Center Access Improvements	28,700	FB		\$0	\$0	\$0	\$391,300	\$1,230,000	\$1,621,300	\$0
Wood Waste collection/Mulching Operation	515,600	C	3	\$0	\$577,320	\$0	\$0	\$0	\$577,320	\$0
<i>Subtotal - Construction/Closing Cells & Facilities</i>	675,112			\$0	\$619,320	\$1,884,000	\$1,519,300	\$1,230,000	\$5,252,620	\$2,147,500
<i>SOLID WASTE - Equipment Replacement</i>										
Refuse Disposal Equip Replacement		C	2	\$0	\$926,383	\$0	\$0	\$0	\$926,383	\$0
Refuse Collection Equip Replacement	99,384	C	2	\$0	\$221,628	\$248,298	\$573,770	\$92,375	\$1,136,071	\$133,250
Replace Livingston Track Loader		C	3	\$0	\$0	\$375,000	\$0	\$0	\$375,000	\$0
Replace Chancellor Trash Compactor		C	3	\$0	\$0	\$0	\$0	\$83,167	\$83,167	\$0
Replace Back-Up Hook Lift Truck		C	3	\$0	\$0	\$0	\$0	\$97,775	\$97,775	\$0
<i>Subtotal - Solid Waste Equipment Replacement</i>	99,384			\$0	\$1,148,011	\$623,298	\$573,770	\$273,317	\$2,618,396	\$133,250
TOTAL SOLID WASTE EXPENDITURES	774,496			\$0	\$1,767,331	\$2,507,298	\$2,093,070	\$1,503,317	\$7,871,016	\$2,280,750

SOLID WASTE REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$0	\$1,767,331	\$2,507,298	\$1,701,770	\$273,317	\$6,249,716	\$133,250
Proffers		P		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Future Bonds		FB		\$0	\$0	\$0	\$391,300	\$1,230,000	\$1,621,300	\$2,147,500
TOTAL SOLID WASTE REVENUES				\$0	\$1,767,331	\$2,507,298	\$2,093,070	\$1,503,317	\$7,871,016	\$2,280,750

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
<i>PARKS AND RECREATION - Construction of Facilities and Parks</i>										
Chancellor/Rt. 3 Park		P	3	\$0	\$0	\$0	\$300,000	\$4,035,700	\$4,335,700	\$0
Livingston Community Center		C	3	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$882,675
Patriot Park Storage Building		C	3	\$0	\$86,940	\$411,060	\$0	\$0	\$498,000	
Belmont Park, Phase II	135,000	P	3	\$0	\$1,003,200	\$0	\$0	\$0	\$1,003,200	\$0
<i>Subtotal - P/R construction of facilities and parks</i>	135,000			\$0	\$1,090,140	\$411,060	\$300,000	\$4,115,700	\$5,916,900	\$882,675
<i>PARKS AND RECREATION - Maintenance of existing Facilities and Parks</i>										
Field Lighting	235,000	C	3	\$0	\$583,236	\$0	\$565,872	\$0	\$1,149,108	\$0
Field Upgrades		C	3	\$0	\$361,405	\$0	\$0	\$0	\$361,405	\$0
<i>Subtotal - P/R maintenance of existing facilities and parks</i>	235,000			\$0	\$944,641	\$0	\$565,872	\$0	\$1,510,513	\$0
TOTAL PARKS & REC EXPENDITURES	370,000			\$0	\$2,034,781	\$411,060	\$865,872	\$4,115,700	\$7,427,413	\$882,675

PARKS & RECREATION REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$0	\$1,031,581	\$411,060	\$565,872	\$80,000	\$2,088,513	\$0
Proffers		P		\$0	\$1,003,200	\$0	\$300,000	\$4,035,700	\$5,338,900	\$882,675
TOTAL PARKS & REC REVENUES				\$0	\$2,034,781	\$411,060	\$865,872	\$4,115,700	\$7,427,413	\$882,675

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FIRE & RESCUE SERVICES EXPENDITURES

FY 2009 - FY 2013

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
<i>FIRE/RESCUE SERVICES - Construction Projects</i>										
Replacement of FC #5 and RS #5	635,000	F	2	\$4,640,738	\$460,512	\$0	\$0	\$0	\$5,101,250	\$0
Lee Hill District Station	490,000	C, FB	2	\$0	\$0	\$230,800	\$770,000	\$0	\$1,000,800	\$9,866,000
Replacement of Partlow Fire & Rescue (Company 3)		C, FB	2	\$0	\$0	\$391,400	\$742,630	\$0	\$1,134,030	\$7,500,000
Shady Grove Fire/Rescue Station	10,000	C	3	\$0	\$0	\$515,000	\$0	\$0	\$515,000	\$11,230,080
Massaponax Fire/Rescue Station		FB	3	\$0	\$0	\$700,000	\$770,000	\$0	\$1,470,000	\$9,866,000
Post Oak Fire/Rescue Station		FB	3	\$0	\$0	\$0	\$0	\$0	\$0	\$11,693,580
Regional Fire Training Center		OJ, C	3	\$0	\$1,500,000	\$0	\$0	\$0	\$1,500,000	\$0
<i>Subtotal Fire/Rescue constructon projects</i>	1,135,000			\$4,640,738	\$1,960,512	\$1,837,200	\$2,282,630	\$0	\$10,721,080	\$50,155,660
<i>FIRE/RESCUE SERVICES - Equipment</i>										
Replacement Fire Equipment	945,000	FB, L	2	\$1,246,125	\$1,041,862	\$1,167,956	\$1,225,000	\$2,276,000	\$6,956,943	\$0
Replacement EMS Equipment	409,500	FB, L	2	\$480,375	\$504,393	\$529,614	\$556,095	\$583,899	\$2,654,376	\$0
Cascade System FC #3, FC #9 & FC #10		C	2	\$0	\$0	\$81,400	\$40,700	\$0	\$122,100	\$0
Ladder Truck for 4-Mile Fork Area		L	3	\$0	\$950,000	\$0	\$0	\$0	\$950,000	\$0
<i>Subtotal Fire/Rescue equipment</i>	1,354,500			\$1,726,500	\$2,496,255	\$1,778,970	\$1,821,795	\$2,859,899	\$10,683,419	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	2,489,500			\$6,367,238	\$4,456,767	\$3,616,170	\$4,104,425	\$2,859,899	\$21,404,499	\$50,155,660

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$0	\$500,000	\$1,218,600	\$40,700	\$0	\$1,759,300	\$0
Proffers		P		\$0	\$0	\$0	\$0	\$0	\$0	\$28,596,080
Nov 2001 Fire/Rescue Bond Referenda		F		\$6,367,238	\$460,512	\$0	\$0	\$0	\$6,827,750	\$0
Future Bonds		FB		\$0	\$0	\$700,000	\$2,282,630	\$0	\$2,982,630	\$21,559,580
Other Jurisdictions		OJ			\$1,000,000					
Lease - Purchase		L		\$0	\$2,496,255	\$1,697,570	\$1,781,095	\$2,859,899	\$8,834,819	\$0
TOTAL FIRE/RESCUE SVCS REVENUES				\$6,367,238	\$4,456,767	\$3,616,170	\$4,104,425	\$2,859,899	\$21,404,499	\$50,155,660

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
TRANSPORTATION										
Transportation - rural additions		T	2	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$0
Transportation PPTA projects (Phase I) - Nov 2005 referenda	8,607,845	P, TB	3	\$10,023,087	\$6,078,628	\$0	\$0	\$0	\$16,101,715	\$0
Transportation PPTA projects (Phase II) - Nov 2005 referenda		TB	3	\$0	\$378,318	\$5,495,884	\$19,493,312	\$24,695,097	\$50,062,611	\$33,000,000
Unpaved Roads - Nov 2005 referenda	2,000,000	TB	3	\$0	\$0	\$0	\$7,000,000	\$7,000,000	\$14,000,000	\$0
Improvement of Intersections Identified within the Traffic Movement and Safety Study	5,327,500	S	3	\$0	\$200,000	\$225,000	\$1,200,000	\$0	\$1,625,000	\$0
General Engineering Consultant	1,328,535	TB	3	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$0
Rt. 3 Widening - From Chewing Lane to Gordon Road		S	3	\$2,268,000	\$6,700,000	\$19,032,000	\$0	\$0	\$28,000,000	\$0
US Rt. 17 Widening - From I-95 to Old Dominion Parkway (assumes Federal funds FY 2010 - FY 2012)	200,446	SD, S	3	\$1,500,000	\$800,000	\$768,350	\$14,375,661	\$0	\$17,444,011	\$0
TOTAL TRANSPORTATION EXPENDITURES	17,464,326			\$14,016,087	\$14,381,946	\$25,746,234	\$42,293,973	\$31,920,097	\$128,358,337	\$33,000,000

TRANSPORTATION REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Proffers		P		\$245,453	\$100,000	\$0	\$0	\$0	\$345,453	\$0
Nov 2005 Transportation Bond Referenda		TB		\$5,278,758	\$6,056,946	\$5,195,884	\$26,193,312	\$31,395,097	\$74,119,997	\$33,000,000
Reimbursement/aide from State/Federal gov't		S		\$6,466,876	\$7,700,000	\$20,025,350	\$15,575,661	\$0	\$49,767,887	\$0
Special Service District Funds		SD		\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000	\$0
Transfer from Transportation Fund		T		\$525,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,625,000	\$0
TOTAL TRANSPORTATION REVENUES				\$14,016,087	\$14,381,946	\$25,746,234	\$42,293,973	\$31,920,097	\$128,358,337	\$33,000,000

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
SCHOOL CONSTRUCTION CAPITAL PROJECTS										
Elementary #18	2,146,780	FB	2	\$0	\$0	\$14,683,071	\$11,000,000	\$2,000,000	\$27,683,071	\$0
Elementary #19	1,162,000	B	2	\$0	\$0	\$10,200,000	\$14,468,046	\$2,219,151	\$26,887,197	\$0
Ni River Addition		B	2	\$0	\$1,633,000	\$0	\$0	\$0	\$1,633,000	\$0
Thornburg Addition		B	2	\$0	\$1,633,000	\$0	\$0	\$0	\$1,633,000	\$0
High School #6	2,125,000	B	2	\$0	\$1,875,000	\$0	\$0	\$0	\$1,875,000	\$76,113,383
Subtotal - School Construction	5,433,780			\$0	\$5,141,000	\$24,883,071	\$25,468,046	\$4,219,151	\$59,711,268	\$76,113,383
SCHOOL NON-CONSTRUCTION CAPITAL PROJECTS										
Transportation Buses		FB	2	\$0	\$3,388,580	\$2,012,705	\$1,334,265	\$2,090,938	\$8,826,488	\$2,159,058
Capital Maintenance	2,100,000	B, FB	1	\$805,500	\$4,860,000	\$2,601,700	\$2,500,000	\$2,720,960	\$13,488,160	\$0
Technology Replacements/Upgrades		B, FB	2	\$5,306,460	\$4,400,000	\$4,039,812	\$0	\$0	\$13,746,272	\$0
Subtotal - School Non-Construction	2,100,000			\$6,111,960	\$12,648,580	\$8,654,217	\$3,834,265	\$4,811,898	\$36,060,920	\$2,159,058
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	7,533,780			\$6,111,960	\$17,789,580	\$33,537,288	\$29,302,311	\$9,031,049	\$95,772,188	\$78,272,441

*** School projects are from the School Board's Adopted CIP of November 26, 2007.

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Proffers		P		\$58,819	\$0	\$0	\$0	\$0	\$58,819	\$0
Nov 2005/2006 School Bond Referenda		B		\$6,053,141	\$7,001,000	\$10,200,000	\$14,468,046	\$2,219,151	\$39,941,338	\$0
Future Bonds		FB		\$0	\$10,788,580	\$23,337,288	\$14,834,265	\$6,811,898	\$55,772,031	\$78,272,441
Lease - Purchase		L		\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES				\$6,111,960	\$17,789,580	\$33,537,288	\$29,302,311	\$9,031,049	\$95,772,188	\$78,272,441

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
General Utilities Projects										
EC Dev Infrastructure Imp	1,550,000	C,B		\$0	\$0	\$0	\$0	\$100,000	\$100,000	\$0
Utility Complex Expansion		C,B		\$200,000	\$0	\$0	\$0	\$611,111	\$811,111	\$4,300,000
System Improvement Opportunities with Developers	2,382,136	C,B		\$0	\$0	\$0	\$100,000	\$100,000	\$200,000	\$0
Security Improvements	1,729,564	C,B		\$0	\$250,000	\$100,000	\$100,000	\$100,000	\$550,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	5,661,700			\$200,000	\$250,000	\$100,000	\$200,000	\$911,111	\$1,661,111	\$4,300,000
Water Projects										
Motts Run Water Treatment Plant	8,157,406	C,B		\$0	\$0	\$1,500,000	\$6,590,489	\$17,000,000	\$25,090,489	\$4,119,056
Ni River Treatment Plant Improvements	4,595,220	C,B		\$2,000,000	\$0	\$0	\$0	\$1,000,000	\$3,000,000	\$6,000,000
Distribution System Extensions by Policy	964,878	C,B		\$100,000	\$50,000	\$50,000	\$50,000	\$0	\$250,000	\$0
Five Mile Fork Water Transmission Improvements	1,440,000	C,B		\$1,000,000	\$1,000,000	\$2,000,000	\$0	\$1,050,000	\$5,050,000	\$1,340,000
Thornburg Water Transmission Facilities Improvements	2,527,000	C,B		\$1,450,000	\$500,000	\$300,000	\$1,000,000	\$1,000,000	\$4,250,000	\$0
Thornburg Water Storage Facilities Improvements		C,B		\$0	\$0	\$0	\$450,000	\$3,500,000	\$3,950,000	\$0
Courthouse Area Water Transmission Facilities Improvements		C,B		\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
New Post Water Transmission Facilities		C,B		\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0
New Water Source	800,000	C,B		\$0	\$200,000	\$200,000	\$0	\$0	\$400,000	\$0
Conversion to Radio Reading System for Water Meters	1,050,000	C,B		\$100,000	\$100,000	\$100,000	\$250,000	\$250,000	\$800,000	\$0
SUBTOTAL WATER PROJECTS	18,484,504			\$4,850,000	\$1,850,000	\$4,150,000	\$8,340,489	\$24,800,000	\$43,990,489	\$11,459,056

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

UTILITIES EXPENDITURES (continued)

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
<i>Sewer Projects</i>										
Collection System Extensions by Policy	415,700	C,B		\$50,000	\$50,000	\$50,000	\$0	\$0	\$150,000	\$0
Massaponax Sewage Treatment Plant	34,541,242	C,B		\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0
Biosolids Handling Project	14,331,549	C,B		\$3,026,200	\$0	\$0	\$0	\$0	\$3,026,200	\$0
City Hazel Run Improvements	963,345	C,B		\$750,000	\$0	\$0	\$0	\$0	\$750,000	\$0
Redirect Hazel Run Pump Station from Massaponax to FMC	739,566	C,B		\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner	36,378,388	C,B		\$9,000,000	\$2,000,000	\$0	\$0	\$3,000,000	\$14,000,000	\$0
Pump Station Odor Control and Telemetry	1,189,852	C,B		\$668,200	\$0	\$0	\$0	\$0	\$668,200	\$0
FMC STP Expansion & Upgrade	3,226,826	C,B		\$10,732,072	\$19,133,088	\$12,755,392	\$0	\$0	\$42,620,552	\$0
Long Branch Sewer		C,B		\$100,000	\$0	\$0	\$300,000	\$300,000	\$700,000	\$0
Wastewater Collection Extensions to Existing Developments		C,B		\$600,000	\$0	\$0	\$0	\$0	\$600,000	\$0
Thornburg Wastewater Transmission Improvements	709,796	C,B		\$500,000	\$0	\$1,700,000	\$3,000,000	\$4,000,000	\$9,200,000	\$3,000,000
SUBTOTAL SEWER PROJECTS	92,496,264			\$25,626,472	\$21,183,088	\$14,505,392	\$3,300,000	\$7,800,000	\$72,414,952	\$3,000,000
TOTAL UTILITIES EXPENDITURES	93,936,264			\$30,676,472	\$23,283,088	\$18,755,392	\$11,840,489	\$33,511,111	\$118,066,552	\$18,759,056

UTILITIES REVENUES

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$13,985,511	\$4,400,000	\$2,100,000	\$1,700,000	\$1,600,000	\$23,785,511	\$4,119,056
Revenue Bonds		B		\$16,690,961	\$18,883,088	\$16,655,392	\$10,140,489	\$31,911,111	\$94,281,041	\$14,640,000
TOTAL UTILITIES REVENUES				\$30,676,472	\$23,283,088	\$18,755,392	\$11,840,489	\$33,511,111	\$118,066,552	\$18,759,056

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN**

FY 2009 - FY 2013

CIP EXPENDITURES SUMMARY

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
TOTAL FY 2009 - FY 2013 CIP				74,921,890	93,840,613	95,403,383	106,159,240	97,618,099	467,943,225	229,439,007

CIP REVENUE SUMMARY

	Total Budget through FY 2008	Funding Source	Class. of Need	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09- FY 13	Costs beyond FY 13
Cash		C		\$14,020,343	\$10,252,032	\$7,656,958	\$6,019,902	\$4,153,317	\$42,102,552	\$4,252,306
Proffers		P		\$344,440	\$1,103,200	\$0	\$300,000	\$4,035,700	\$5,783,340	\$29,478,755
Nov 2001 Fire/Rescue Bond Referenda		F		\$6,367,238	\$460,512	\$0	\$0	\$0	\$6,827,750	\$0
Nov 2005 Bond Referenda - Gen. Gov't		B		\$16,524,000	\$25,844,000	\$7,991,134	\$6,716,538	\$1,425,150	\$58,500,822	\$0
Nov 2005/2006 Bond Referenda - Schools		B		\$6,053,141	\$7,001,000	\$10,200,000	\$14,468,046	\$2,219,151	\$39,941,338	\$0
Nov 2005 Bond Referenda - Transportation		TB		\$5,278,758	\$6,056,946	\$5,195,884	\$26,193,312	\$31,395,097	\$74,119,997	\$33,000,000
Future Bonds		FB		\$0	\$10,788,580	\$25,456,095	\$21,482,438	\$8,041,898	\$65,769,011	\$137,016,170
Revenue Bonds - Utilities		B		\$16,690,961	\$18,883,088	\$16,655,392	\$10,140,489	\$31,911,111	\$94,281,041	\$14,640,000
Public-Private Partnership		PPP		\$0	\$0	\$0	\$2,365,408	\$8,841,421	\$11,206,829	\$8,841,421
Lease - Purchase		L		\$1,076,133	\$4,226,255	\$1,697,570	\$1,781,095	\$2,859,899	\$11,640,952	\$0
Other Jurisdictions		OJ		\$75,000	\$1,000,000	\$0	\$0	\$0	\$1,075,000	\$0
Transfer from Transportation Fund		TB		\$525,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,625,000	\$0
Special Service District Funds		SD		\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000	\$0
Reimbursement/aide from State		S		\$6,466,876	\$7,700,000	\$20,025,350	\$15,575,661	\$0	\$49,767,887	\$0
Dept. of Social Services State funds				\$0	\$0	\$0	\$591,352	\$2,210,355	\$2,801,707	\$2,210,355
TOTAL FY 2009 - FY 2013 CIP				\$74,921,890	\$93,840,613	\$95,403,383	\$106,159,240	\$97,618,099	\$467,943,225	\$229,439,007

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

Spotsylvania County, Virginia

FY 2009 - FY 2013 CIP

Funding Summary - excludes Utilities

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	5-Yr Totals
Projects						
Campus Master Plan	16,524,000	26,014,000	8,211,134	9,714,858	12,476,926	72,940,918
Other General Government	1,226,133	4,113,120	2,618,807	5,944,243	2,200,000	16,102,303
Solid Waste	0	1,767,331	2,507,298	2,093,070	1,503,317	7,871,016
Parks & Recreation	0	2,034,781	411,060	865,872	4,115,700	7,427,413
Fire/Rescue Services	6,367,238	4,456,767	3,616,170	4,104,425	2,859,899	21,404,499
Transportation	14,016,087	14,381,946	25,746,234	42,293,973	31,920,097	128,358,337
Schools	6,111,960	17,789,580	33,537,288	29,302,311	9,031,049	95,772,188
Construction Management Team	396,491	390,744	422,004	455,764	867,633	2,532,636
TOTAL EXPENDITURES	\$44,641,909	\$70,948,269	\$77,069,995	\$94,774,515	\$64,974,621	\$352,409,309
Funding Sources						
General Gov't Bonds - 2005 Referendum	16,524,000	25,844,000	7,991,134	6,716,538	1,425,150	58,500,822
General Gov't Bonds - Future Referendum	0	0	1,418,807	4,365,543	1,230,000	7,014,350
General Gov't Bonds - Leases	1,076,133	1,730,000	0	0	0	2,806,133
Fire/Rescue Bonds - 2001 Referendum	6,367,238	460,512	0	0	0	6,827,750
Fire/Rescue Bonds - Future Referendum	0	2,496,255	2,397,570	4,063,725	2,859,899	11,817,449
Transportation Bonds - 2005 Referendum	5,278,758	6,056,946	5,195,884	26,193,312	31,395,097	74,119,997
School Bonds - 2005 Referendum	805,500	3,735,000	898,034	0	985,511	6,424,045
School Bonds - 2006 Referendum	5,247,641	3,266,000	9,301,966	14,468,046	1,233,640	33,517,293
School Bonds - Future Referendum	0	10,788,580	23,337,288	14,834,265	6,811,898	55,772,031
<i>Subtotal - Bonds & Leases</i>	<i>\$35,299,270</i>	<i>\$54,377,293</i>	<i>\$50,540,683</i>	<i>\$70,641,428</i>	<i>\$45,941,195</i>	<i>\$256,799,869</i>
Transfer from General Fund	2,774,243	3,401,635	4,067,789	4,765,124	5,494,784	20,503,575
Transfer from Transportation Fund	758,280	776,942	797,098	818,866	825,000	3,976,186
Transfer from Utilities Fund	120,060	20,705	45,701	98,303	98,303	383,072
<i>Subtotal - Transfers from Other Funds</i>	<i>\$3,652,583</i>	<i>\$4,199,282</i>	<i>\$4,910,588</i>	<i>\$5,682,293</i>	<i>\$6,418,087</i>	<i>\$24,862,833</i>
Proffers - Currently Available	344,440	100,000	0	0	0	444,440
Proffers - Assumed Available in Future	0	1,003,200	0	300,000	4,035,700	5,338,900
State Funds	0	0	0	591,352	2,210,355	2,801,707
State/Federal Transportation Funds	6,466,876	7,700,000	20,025,350	15,575,661	0	49,767,887
Special Tax District - for Transportation	1,500,000	0	0	0	0	1,500,000
Public-Private Partnership Financing	0	0	0	2,365,408	8,841,421	11,206,829
Other Sources (other jurisdictions, interest, etc.)	588,176	1,762,178	733,894	944,953	683,711	4,712,912
<i>Subtotal - Other Sources</i>	<i>\$8,899,492</i>	<i>\$10,565,378</i>	<i>\$20,759,244</i>	<i>\$19,777,374</i>	<i>\$15,771,187</i>	<i>\$75,772,675</i>
TOTAL REVENUE	\$47,851,345	\$69,141,953	\$76,210,515	\$96,101,095	\$68,130,469	\$357,435,377
Capital Projects Fund Balance - Begin FY	\$2,167,118	\$5,231,018	\$3,279,166	\$2,274,150	\$3,455,194	
Additions to/(Use of) Fund Balance	\$3,209,436	-\$1,806,316	(\$859,480)	\$1,326,580	\$3,155,848	
Use of Fund Balance - Cap One Lease	(\$145,536)	(\$145,536)	(\$145,536)	(\$145,536)	(\$145,536)	
Capital Projects Fund Balance - End of FY	\$5,231,018	\$3,279,166	\$2,274,150	\$3,455,194	\$6,465,506	

Spotsylvania County, Virginia

FY 2009 - FY 2013 CIP

Utilities Funding Summary

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	5-Yr Totals
Projects						
General Utilities Projects	200,000	250,000	100,000	200,000	911,111	1,661,111
Water Projects	4,850,000	1,850,000	4,150,000	8,340,489	24,800,000	43,990,489
Sewer Projects	25,626,472	21,183,088	14,505,392	3,300,000	7,800,000	72,414,952
TOTAL EXPENDITURES	\$30,676,472	\$23,283,088	\$18,755,392	\$11,840,489	\$33,511,111	\$118,066,552
Funding Sources						
Connection Fees	4,494,000	4,159,300	4,366,100	4,350,400	4,303,000	21,672,800
Revenue Bonds	16,690,961	18,883,088	16,655,392	10,140,489	31,911,111	94,281,041
Other Sources	2,798,817	2,937,392	1,356,727	1,212,999	869,406	9,175,341
TOTAL REVENUE	\$23,983,778	\$25,979,780	\$22,378,219	\$15,703,888	\$37,083,517	\$125,129,182
Utilities Fund Balance - Begin FY	\$39,815,853	\$31,073,179	\$29,859,452	\$29,169,192	\$28,793,015	
Additions to/(Use of) Fund Balance - Capital	(\$6,677,477)	\$2,696,692	\$3,622,827	\$3,863,399	\$3,572,406	
Additions to/(Use of) Fund Balance - Operating	(\$2,065,197)	(\$4,193,665)	(\$4,562,918)	(\$4,391,683)	(\$4,145,733)	
Utilities Fund Balance - End of FY	\$31,073,179	\$29,576,206	\$28,919,362	\$28,640,908	\$28,219,689	

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2009 - FY 2013 Estimated Additional Operational Costs**

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09 - FY 13
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General Government and Judicial Facilities - Campus Master Plan

New Circuit Court Bldg	699,178	2,569,762	2,552,099	2,534,898	2,518,173	10,874,110
Judicial Center Renovations	-	-	202,223	371,399	362,232	935,854
Judicial Center Addition	-	-	576,912	1,043,620	1,932,402	3,552,934
Renovation of Sheriff's Office	-	-	-	-	138,952	138,952
Public Safety Building	598,790	2,271,931	2,258,933	2,246,395	2,234,329	9,610,379
<i>Subtotal Operating Costs</i>	-	1,023,936	1,054,654	1,086,294	2,033,429	5,198,312
<i>Subtotal Debt Service Costs</i>	1,297,968	3,817,758	4,535,514	5,110,018	5,152,660	19,913,918
SUBTOTAL CAMPUS MASTER PLAN	1,297,968	4,841,694	5,590,168	6,196,312	7,186,088	25,112,230

Other General Government Facilities

Animal Shelter Addition	-	-	138,334	522,453	1,342,605	2,003,392
<i>Subtotal Operating Costs</i>	-	-	-	-	832,961	832,961
<i>Subtotal Debt Service Costs</i>	-	-	138,334	522,453	509,644	1,170,431
SUBTOTAL OTHER GENERAL GOVT	-	-	138,334	522,453	1,342,605	2,003,392

Information Technology Non-IS Steering Committee Projects

Replace Public Safety Server	-	14,277	28,768	28,709	28,664	100,417
Install Enterprise-wide Fiber Network	55,765	132,390	130,315	128,249	126,193	572,913
<i>Subtotal Operating Costs</i>	-	10,000	25,300	26,059	26,841	88,200
<i>Subtotal Debt Service Costs</i>	55,765	136,667	133,783	130,899	128,015	585,130
SUBTOTAL NON-IS STEERING COMMITTEE	55,765	146,667	159,083	156,958	154,856	673,330

Information Technology IS Steering Committee Projects

Personal Property System Upgrade	-	-	40,000	41,200	42,436	123,636
Replace CAMA & Real Estate	128,530	226,030	228,955	231,968	235,071	1,050,555
Finance System Upgrade - H.T.E.	-	95,179	141,786	139,893	138,045	514,902
Land Info Sys. upgrade Clerk of Court	-	142,768	212,679	209,839	207,068	772,353
MSAG Eagle Upgrade	-	10,470	20,096	20,023	19,959	70,548
Parks & Recreation System Upgrade	-	-	-	15,000	15,450	30,450
Jury System Upgrade	-	-	-	6,000	6,180	12,180
<i>Subtotal Operating Costs</i>	-	97,500	275,425	304,688	313,828	991,441
<i>Subtotal Debt Service Costs</i>	128,530	376,946	368,091	359,236	350,380	1,583,184
SUBTOTAL IS STEERING COMMITTEE	128,530	474,446	643,516	663,923	664,209	2,574,625

Solid Waste - Construction/Closing of Landfill cells & Facilities

Wood Waste collection/Mulching Oper.			29,644	31,106	32,641	93,391
Chancellor Solid Waste Access Improvements	-	-	-	38,152	194,370	232,522
<i>Subtotal Operating Costs</i>	-	-	29,644	31,106	32,641	93,391
<i>Subtotal Debt Service Costs</i>	-	-	-	38,152	194,370	232,522
SUBTOTAL SOLID WASTE	-	0	29,644	69,258	227,011	325,913

Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2009 - FY 2013 Estimated Additional Operational Costs**

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09 - FY 13
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Parks and Recreation - Construction of Facilities and Parks

Belmont Park, Phase II	-	-	19,318	19,898	20,494	59,710
<i>Subtotal Operating Costs</i>	-	-	19,318	19,898	20,494	59,710
<i>Subtotal Debt Service Costs</i>	-	-	-	-	-	-
SUBTOTAL PARKS & REC - FACILITIES	-	-	19,318	19,898	20,494	59,710

Parks & Recreation- Maintenance of existing facilities and parks

Field Lighting	-	4,170	4,295	8,848	9,113	26,426
Field Upgrades	-	14,080	14,502	14,937	15,386	58,905
<i>Subtotal Operating Costs</i>	-	18,250	18,798	23,785	24,499	85,332
<i>Subtotal Debt Service Costs</i>	-	-	-	-	-	-
SUBTOTAL PARKS & REC - MAINTENANCE	0	18,250	18,798	23,785	24,499	85,332

Fire/Rescue Services Construction Projects

Replacement of FC#5 and RS #5	364,532	537,757	540,513	543,385	546,375	2,532,562
Lee Hill District Station	-	-	-	75,075	73,246	148,321
Replacement FC3 - Partlow	-	-	-	72,406	70,643	143,049
Massaponax Fire/Rescue Station	-	-	68,250	141,663	141,496	351,409
<i>Subtotal Operating Costs</i>	-	128,325	132,175	136,140	140,224	536,864
<i>Subtotal Debt Service Costs</i>	364,532	409,432	476,588	696,389	691,536	2,638,477
SUBTOTAL F&R CONSTRUCTION	364,532	537,757	608,763	832,529	831,760	3,175,341

Fire/Rescue Services - Equipment

Replacement Fire Equipment	138,619	274,929	423,613	575,137	859,317	2,271,615
Replacement EMS Equipment	82,268	178,283	275,676	374,516	474,875	1,385,617
Cascade System FC #3, FC#9 & FC#10	-	-	6,000	2,320	2,400	10,720
Ladder Truck for 4-Mile Fork area	-	392,992	402,492	412,651	423,500	1,631,634
<i>Subtotal Operating Costs</i>	-	268,700	287,961	298,200	312,889	1,167,750
<i>Subtotal Debt Service Costs</i>	220,887	577,504	819,820	1,066,423	1,447,203	4,131,837
SUB TOTAL F&R EQUIPMENT	220,887	846,204	1,107,781	1,364,623	1,760,092	5,299,587

Transportation

PPTA Projects, Phase I	5,078,758	5,478,628	-	-	-	-
Debt Service	398,939	933,105	920,093	907,082	894,070	4,053,289
PPTA Projects, Phase I	398,939	933,105	920,093	907,082	894,070	4,053,289
PPTA Projects, Phase II	-	36,886	523,086	2,362,170	4,663,319	7,585,462
Unpaved Roads	-	-	-	682,500	1,348,375	2,030,875
General Engineer Consultant (GEC)	15,710	35,210	54,235	72,785	90,860	268,800
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	414,649	1,005,201	1,497,415	4,024,537	6,996,624	13,938,426
SUBTOTAL TRANSPORTATION	414,649	1,005,201	1,497,415	4,024,537	6,996,624	13,938,426

Total General Gov't & Transportation **\$2,482,332** **\$7,870,219** **\$9,812,819** **\$13,874,276** **\$19,208,239** **\$53,247,885**

*Approved FY 2009 - FY 2013 CIP
Spotsylvania, Virginia*

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2009 - FY 2013 Estimated Additional Operational Costs**

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total FY 09 - FY 13
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School Capital Projects

Elementary # 18	-	-	1,431,599	5,027,735	5,257,178	11,716,512
Elementary # 19	-	-	994,500	5,021,224	5,274,098	11,289,823
Ni River Addition	-	777,983	799,517	821,052	842,587	3,241,139
Thornburg Addition	-	777,983	799,517	821,052	842,587	3,241,139
High School # 6	-	182,813	178,359	173,906	169,453	704,531
Transportation Buses	-	443,339	693,255	846,441	1,093,344	3,076,380
Capital maintenance	63,272	537,122	779,246	1,005,274	1,246,909	3,631,823
Technology - 7 years	803,656	1,641,227	2,380,377	2,340,973	2,283,066	9,449,299
<i>Subtotal Operating Costs</i>	-	1,237,530	1,288,356	6,538,005	6,779,366	15,843,257
<i>Subtotal Debt Service Costs</i>	866,928	3,122,936	6,768,015	9,519,652	10,229,856	30,507,388

Total School Capital Projects **\$866,928** **\$4,360,466** **\$8,056,371** **\$16,057,657** **\$17,009,222** **\$46,350,645**

Grand Totals - General and School Projects

Total Operational Costs	-	2,784,241	3,131,630	8,464,174	10,517,172	24,897,218
Total Debt Service	3,349,260	9,446,445	14,737,560	21,467,759	25,700,289	74,701,312

Total Gen. Gov't. Trans. & Schools **\$3,349,260** **\$12,230,686** **\$17,869,190** **\$29,931,933** **\$36,217,461** **\$99,598,530**

Utility Projects

Debt Service - \$16.7 M borrowed in FY08 for FY09	1,148,428	1,148,428	1,148,428	1,148,428	1,148,428	5,742,140
Debt Service - \$18.9 M borrowed in FY09 for FY10		1,299,258	1,299,258	1,299,258	1,299,258	5,197,033
Debt Service - \$16.7 M borrowed in FY10 for FY11			1,145,981	1,145,981	1,145,981	3,437,942
Debt Service - \$10.1 M borrowed in FY11 for FY12				697,720	697,720	1,395,441
Debt Service - \$31.9 M borrowed in FY12 for FY13					2,195,656	2,195,656

Total Utilities Debt Service **\$1,148,428** **\$2,447,686** **\$3,593,667** **\$4,291,387** **\$6,487,044** **\$17,968,213**

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General Government and Judicial Facilities

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General Government and Judicial Facilities

Campus Master Plan

Campus Master Plan Implementation (*FY 09 – FY 13 costs = \$72,509,358*)

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 09 – FY 13 costs = \$431,560*)

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 09 – FY 13 costs = \$4,020,000*)

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.

Massaponax Branch Library (All costs are beyond *FY 13*)

This project includes funds to construct a new 25,000 sq ft library to serve the population of the Lee's Hill, Battlefield and Berkeley districts and the surrounding areas. The Massaponax library will be part of the Central Rappahannock Regional Library system and will offer collections of books, films, and music as well as public computers, meeting spaces and educational events. The branch will also serve as a meeting place and cultural and information center for the community. The new facility is necessary to relieve overcrowding and strain on existing libraries in Spotsylvania and the City of Fredericksburg.

Chancellor/Salem District Library (All costs are beyond *FY 13*)

This project includes funds to construct a new 25,000 sq ft library to serve the population of the Salem and Chancellor districts. The Chancellor/Salem library will be part of the Central Rappahannock Regional Library system and will offer collections of books, films, and music as well as public computers, meeting spaces and educational events. The branch will also serve as a meeting place and cultural and information center for the community. The new facility is necessary to relieve overcrowding and strain on existing libraries in Spotsylvania and the City of Fredericksburg.

Spotsylvania/Fredericksburg Magistrate Facility (*FY 09 – FY 13 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 and will be located on the County's existing Hudgins Road property.

Spotsylvania Courthouse Museum Floor Replacement (*FY 09 – FY 13 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 09 – FY 13 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 09 – FY 13 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 09 – FY 13 costs = \$675,623*)

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.

Thornburg Multi-site Radio System (*FY 09 – FY 13 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 09 – FY 13 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 09 – FY 13 costs = \$400,000*)

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 09 – FY 13 costs = \$750,510*)

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 in FY 2009. 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 09 – FY 13 costs = \$500,000*)

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 in FY 2010 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 09 – FY 13 costs = \$250,000*)

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 09 – FY 13 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 in FY 2010 and is due for replacement to maintain current service levels in the Clerk of the Circuit Court's Office.

MSAG Eagle Upgrade (*FY 09 – FY 13 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 in FY 2010. 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 09 – FY 13 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 09 – FY 13 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 09 – FY 13 costs = \$900,000*)

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 in FY 2013. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels.

Solid Waste

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Solid Waste Projects

Construction/Closing of Landfill Cells & Facilities

Construction of Cell 5 at Livingston Landfill (FY 09 – FY 13 costs = \$1,926,000)

The addition of Cell 5 at the Livingston Landfill will be needed in 2010 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 09 – FY 13 costs = \$1,128,000)

Partial closure of cells 3 & 4 will be needed in 2012 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 (All costs are beyond FY 13)

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 09 – FY 13 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 09 – FY 13 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 09 – FY 13 costs = \$926,383*)

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 replace a loader and a compactor.

Refuse Collection Equipment Replacement (*FY 09 – FY 13 costs = \$1,136,071*)

Funding for this project will replace eight trucks, and a tub grinder from FY 2009 through FY 2013. 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 Disposal – Replacement of Track Loader (*FY 09 – FY 13 costs = \$375,000*)

This new loader will replace an existing 1998 loader that is expected to have in excess of 15,000 hours in FY 2011 and which will be used at the Livingston landfill. Replacement of this piece of equipment will help ensure the landfill stays in compliance with DEQ regulations.

Refuse Collection – Chancellor Trash Compactor (*FY 09 – FY 13 costs = \$83,167*)

Funds are included in FY 2013 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 2013.

Replacement Back-Up Hook-lift Truck (*FY 09 – FY 13 costs = \$97,775*)

A new hook-lift truck was purchased in FY 2008 with the existing truck being maintained as a spare to assist with managing the workload. The hook-lift trucks are used to service the Schools' compactors. The number of school compactors has more than doubled from the initial eleven schools that we serviced when we began this process in 1998 and reliable equipment is needed to manage the workload. In FY 2013, the existing spare truck will be in excess of 12 years old and will need to be maintained to ensure a continued adequate level of service.

Parks and Recreation

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Parks and Recreation Projects

Construction of Facilities and Parks

Chancellor / Route 3 Park (*FY 09 – FY 13 costs = \$4,335,700*)

This project includes the development of a park facility on property located on Catharpin Road. Funding for this project includes the initial design, development and construction of the park.

Livingston Community Center (*FY 09 – FY 13 costs = \$80,000*)

This project is a 3,000 sq ft community center to include a kitchen, meeting rooms, storage space and adjacent parking to be built on County-owned land near the Livingston landfill. The master plan for the property will include locations for two baseball diamonds, a rectangular multi-purpose field, two basketball courts and a one-acre dog park with fencing for rotation.

Patriot Park Storage Building (*FY 09 – FY 13 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.

Belmont Park, Phase II (*FY 09 – FY 13 costs = \$1,003,200*)

Located off Belmont Road in the southwestern portion of the County, the initial phase of Belmont Park was completed in FY 2008. Phase II of the park is planned to include ball diamonds, rectangular fields, trails, sheltered pavilion, a playground and a restroom facility.

Field Lighting – Patriot Park (*FY 09 – FY 13 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.

Field Upgrades – Spotsylvania Middle School (*FY 09 – FY 13 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 21,000 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

Replacement of Fire Station #5 and Rescue Station #5 (*FY 09 – FY 13 costs = \$5,101,250*)

This project will allow the current individual Fire and Rescue stations to be replaced with a 15,000 sq ft joint facility expected to be located on a new site between Andora Drive and Elys Ford Road. The current facilities are not adequate to meet the growing demands that the increased call volume is placing on the County Fire and EMS system. In addition to providing space for Fire and Rescue personnel and apparatus, the new station will include a training room and a substation for the Sheriff's Office. This project will be funded with Fire/Rescue bonds that were approved in November 2001.

Lee Hill District Fire/Rescue Station (*FY 09 – FY 13 costs = \$1,000,800*)

The general area where this new facility is planned is experiencing considerable growth. The current Fire/EMS stations in the Four-Mile Fork area of the County are among the busiest in the County. The Comprehensive Plan targets the number of calls per station at 1,000 per year. The current call volume for both the Fire and EMS stations in the Four-Mile Fork area is exceeding 2,500. This new, 15,000 sq ft facility is expected to be located in the Crossroads Industrial Park and will allow the response times to be reduced for the people that live along Mills Drive and for businesses and the occupants of the industrial park located in this area.

Replacement of Fire & Rescue Stations #3 (*FY 09 – FY 13 costs = \$1,134,030*)

As our combination Fire/Rescue system works toward 24/7 coverage, a new consolidated facility will help to meet the needs for this area of the County. Because of the age of the existing facility, it is infeasible to renovate the current facilities. The current facilities at Partlow are not adequate to accommodate overnight crews. This project, expected to be a 15,000 sq ft facility will provide sleeping and shower facilities. Additionally, the bay area will be configured to include a ventilation system to handle the exhaust fumes from the fire and rescue apparatus.

Shady Grove Fire/Rescue Station (*FY 09 – FY 13 costs = \$515,000*)

This project, expected to be a new, 15,000 sq ft facility, is identified in the Comprehensive Plan. The area where this proposed new facility will be built is currently outside the five-mile radius of the other stations. The County has been working to fill the voids addressed in the Comprehensive Plan and improve response times.

Massaponax Fire/Rescue Station (*FY 09 – FY 13 costs = \$1,470,000*)

A 15,000 sq ft facility is needed to support the response program for homes and businesses in the Massaponax area. Anticipated for FY 2011 and FY 2012, the first phase of the project will be site acquisition in the planned growth areas. The Comprehensive Plan benchmarks calls per year per station at 1,000. Establishing a new station in the Massaponax area will help ensure that adequate protection is provided in this area while decreasing the call volume at other stations where calls might otherwise exceed 1,000 per year.

Post Oak Fire/Rescue Station (All costs are beyond *FY 13*)

A 15,000 sq ft facility is needed to support the response program for homes and businesses in the Post Oak area. The station is planned for location on County-owned property at the Spotsylvania High School site. The Comprehensive Plan benchmarks calls per year per station at 1,000. Establishing a new station in the Post Oak area will help ensure that adequate protection is provided in this area while decreasing the call volume at other stations where calls might otherwise exceed 1,000 per year.

Regional Fire Training Center (*FY 09 – FY 13 costs = \$1,500,000*)

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.

Equipment

Replacement Fire Equipment (*FY 09 – FY 13 costs = \$6,956,943*)

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 three engines, three brush trucks, one tanker truck, one aerial truck, one ladder truck, two squads and four wagons from FY 2009 through FY 2013. 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 09 – FY 13 costs = \$2,654,376*)

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 18 EMS units from FY 2009 through FY 2013. 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 09 – FY 13 costs = \$122,100*)

There are two 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 09 – FY 13 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.

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Transportation

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Transportation

Transportation – Rural Additions (*FY 09 – FY 13 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 09 – FY 13 costs = \$16,101,715*)

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 2009 and FY 2010, through a Comprehensive Agreement with Spotsylvania County Infrastructure, LLC.

Transportation – Phase II PPTA Projects (*FY 09 – FY 13 costs = \$50,062,611*)

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 through FY 2014.

Unpaved Roads (*FY 09 – FY 13 costs = \$14,000,000*)

Funding for this project will address the 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.

Improvement of Intersections Identified within the Traffic Movement and Safety Study (*FY 09 – FY 13 costs = \$1,625,000*)

Intersections comprise the locations for traffic congestion and accident locations. Fitzgerald & Halliday have provided the July 2006 Traffic Movement and Safety Study document that outlines improvements to 48 locations of known congestion and high accident incidents. The Board of Supervisors supported the ranking and screening of projects by the Transportation Advisory Committee. The top two intersection projects identified within the study are the Elys Ford/Rt 3 intersection and the Orange Plank Road/Rt 3 intersection. These two projects are to be funded from both Regional Surface Transportation Program (RSTP) and also Congestion Mitigation Air Quality (CMAQ) programs through FAMPO. The programs provide 100% funding – no local matching funds are required.

General Engineering Consultant (GEC) (*FY 09 – FY 13 costs = \$1,000,000*)

In the November 2005 referenda, the voters approved the borrowing of bonds to address transportation needs in the County. Significant work was performed by the GEC in FY 06 and FY 07, to establish cost estimates and design of Route 17 widening. 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. Funding for this project will be provided from bond proceeds

approved in the November 2005 referenda, which will be funded through the Transportation Fund.

Rt. 3 Widening – Chewning Lane to Gordon Road (*FY 09 – FY 13 costs = \$28,000,000*)

This project is fully funded by federal funds which pass through the Virginia Department of Transportation (VDOT). County staff will manage the project using the federal design-build process, with oversight from VDOT.

Rt. 17 Widening – I-95 to Old Dominion Parkway (*FY 09 – FY 13 costs = \$17,444,011*)

Funding for bridge replacement and widening is a transfer from the County's Massaponax Special Service District revenue (\$1.5 million) to VDOT. The remainder of the bridge and road widening costs are anticipated from future VDOT and FAMPO allocations. VDOT will administer the project.

School Capital Projects

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School Capital Projects

Construction Projects

Elementary School #18 (FY 09 – FY 13 costs = \$27,683,071)

This new school is necessary to meet the needs of an ever-growing student population. The Spotsylvania County School Board determined that new elementary school building capacity must increase from 700 students to 900 students. This elementary school has been targeted for construction in an area of significant growth and capacity need. Additionally, this school falls within the area suggested by the Spotsylvania County Comprehensive Plan.

This project consists of a one to two story masonry structure with 38 regular classrooms, three self-contained special education classrooms, one art room, one music room, one art/music room, one world language classroom, a media center, cafeteria/kitchen and gymnasium. The school facility will encompass approximately 95,000 sq ft. A portion of the funding for this project was approved in the November 2005 and November 2006 bond referenda. Location: Near intersection of Brock Road and Catharpin Road. Completion: Fall 2011

Elementary School #19 (FY 09 – FY 13 costs = \$26,887,197)

This new school is necessary to meet the needs of an ever-growing student population. The Spotsylvania County School Board determined that new elementary school building capacity must increase from 700 students to 900 students. This elementary school has been targeted for construction in an area of significant growth and capacity need. This facility will provide relief for existing elementary schools within the southern and central elementary school regions within the County.

This project consists of a one to two story masonry structure with 38 regular classrooms, three self-contained special education classrooms, one art room, one music room, one art/music room, one world language classroom, a media center, cafeteria/kitchen and gymnasium. This school will be located on the same site as Spotsylvania High School and Post Oak Middle School. The school facility will encompass approximately 95,000 sq ft. A portion of the funding for this project was part of the November 2005 bond referendum that was approved by the voters of Spotsylvania County. Location: Next to Spotsylvania High School Completion: Fall 2012

Ni River Middle School Addition (FY 09 – FY 13 costs = \$1,633,000)

Addition of eight classrooms and ancillary facilities to provide space for 100 additional students. Funds for this project were approved in the November 2006 bond referendum. Completion: Fall 2010

Thornburg Middle School Addition (FY 09 – FY 13 costs = \$1,633,000)

Addition of eight classrooms and ancillary facilities to provide space for 100 additional students. Funds for this project were approved in the November 2006 bond referendum. Completion: Fall 2010

High School #6 (*FY 09 – FY 13 costs = \$1,875,000*)

New high school with minimum student capacity of 1,800. One to two story masonry structure encompassing approximately 318,800 sq ft including an auxiliary gymnasium, auditorium, and ancillary athletic fields and facilities. A portion of the funding for this project was part of the November 2005 bond referendum that was approved by the voters of Spotsylvania County. Location: To be determined (possibly in the northeastern portion of the County) Completion date: Fall 2015

Non-Construction Projects

Transportation (*FY 09 – FY 13 costs = \$8,826,488*)

Purchase of school buses for growth and/or replacements. Over the five-year period, these replacement vehicles include 34 64-passenger buses, 85 75-passenger buses and 47 special education buses.

Capital Maintenance (*FY 09 – FY 13 costs = \$13,488,160*)

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 09 – FY 13 costs = \$13,746,272*)

Funding for this project addresses technology needs including fiber optic building interconnectivity between schools; wireless building interconnectivity between schools; backup generators; media management upgrades and replacement equipment; computers; servers; local area network (LAN); wide area network (WAN); instructional technology for instructional presentations; and IP Telephony technology.

Utilities

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Utilities

General Projects

Economic Development Infrastructure Improvements (*FY 09 – FY 13 costs = \$100,000*)

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 09 – FY 13 costs = \$811,111*)

The growth of the Utility departments' GIS, Engineering and Field Services Division has resulted in a shortage of office, meeting and storage space. FY09 funding is needed to expand the existing sewer building and equipment storage building. Also included in FY 2009 is a needs assessment study to determine future needs of the department. Out-year funds for this project are for land acquisition, design and construction of a future utilities complex.

System Improvement Opportunities with Developers (*FY 09 – FY 13 costs = \$200,000*)

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 09 – FY 13 costs = \$550,000*)

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 09 – FY 13 costs = \$25,090,489*)

This project includes funding for the Project management and construction of Motts Run Water Treatment Plant (WTP), 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 will continue in FY 2009. Construction should be completed by the early part of 2013.

Ni River Treatment Plant Improvements (*FY 09 – FY 13 costs = \$3,000,000*)

Ni River Water Treatment Plant improvements will include replacement of the 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 to assure that the plant can treat and deliver its permitted 6 million gallons per day (MGD) of production.

A study is being conducted to determine how best to upgrade the Ni River WTP, so that it can reliably produce 6 to 8 MGD to help meet maximum day demands. Annual production will remain limited to a 4 MGD average due to limitations of the Ni River Reservoir. The project will be phased to allow for the expansion of the Motts WTP.

Distribution System Extensions by Policy (*FY 09 – FY 13 costs = \$250,000*)

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 = \$5,050,000*)

This project includes funding for the PPTA to widen Rt 3 which includes a required segment of 24-inch water line and a new water line from Andora Drive to the new Sawhill tank. These projects are included in the 2002 W/S Master plan. Additionally, funds are included in FY 2012 and FY 2013 to provide a waterline from the new tank to Fawn Lake. 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 09 – FY 13 costs = \$4,250,000*)

This project includes funding for water transmission improvement projects, in the area between Four Mile Fork and Massaponax Church Rd. supporting current development in the Re 1 corridor, proposed by the 2002 Revision to the Water/Sewer Master Plan. These projects include a 24-inch main from Lees Park to Rt 1, a 12-inch line to Elementary School #17 and a 12-inch Smith Station Rd./YMCA line.

Thornburg Water Storage Improvements (*FY 09 – FY 13 costs = \$3,950,000*)

This project includes funding for two water storage tanks in the Thornburg area proposed by the 2002 Revision to the Water/Sewer Master Plan.

Courthouse Area Water Transmission Improvements (*FY 09 – FY 13 costs = \$200,000*)

The County has adopted a master plan and a water/sewer plan for development of the Courthouse area. This project includes work related to the Campus Master Plan to assure adequate fire flow.

New Post Water Transmission Facilities (*FY 09 – FY 13 costs = \$1,000,000*)

Future funds were added for the replacement of 12-inch cast water line from Benchmark Road to Landsdowne Road. As this is a maintenance program, the Water/Sewer Master Plan is not necessary as a guide for this project.

New Water Source (*FY 09 – FY 13 costs = \$400,000*)

This project consists of the planning, engineering, permitting, and regulatory compliance efforts required to identify and develop a new source of supply for the County's waterworks. The 2002 Revision to the Water/Sewer Master Plan calls for an ultimate average daily water demand of 22 MGD. Our current aggregate safe yield is between 21 and 22 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. The early years of conceptual development and planning of this project will address the identification, analysis, and selection of alternatives and compliance with the National Environmental Protection Act process. This project will also provide the County's Water Supply Plan that recent legislation and regulations require.

Conversion of Radio Reading System for Water Meters (*FY 09 – FY 13 costs = \$800,000*)

Funding is currently available to retrofit existing meters with radio read technology. Funds are included for this project to be out-sourced. Some users 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%. The funding request as presented anticipates fully retrofitting Group II customers or approximately 8,500 customers with AMR over a period of 3-fiscal years. Group I would then follow. The plan for meter conversion to radio read is currently in a compatibility and pilot study phase to develop a sound strategy for conversion. Current Funding with an additional \$100,000 in FY 2009 and FY 2010 will be sufficient to move the program forward.

Sewer Projects

Collection System Extensions by Policy (*FY 09 – FY 13 costs = \$150,000*)

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 09 – FY 13 costs = \$500,000*)

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.

Biosolids Handling Project (*FY 09 – FY 13 costs = \$3,026,200*)

Funds are necessary for the expansion of the composting operation at the Livingston landfill.

City Hazel Run Improvements (*FY 09 – FY 13 costs = \$750,000*)

This project includes funding for wastewater transmission improvements in the County's Hazel Run watershed needed to accommodate growth, to allow for abandonment of pump stations and to correct capacity deficiencies. This is not a Water/Sewer Master Plan project since it involves our cost-sharing arrangements with the City for City owned joint use facilities.

Redirect Hazel Run Pump Station from Massaponax to FMC (*FY 09 – FY 13 costs = \$200,000*)

This project includes funding to replace pump stations 4, 10,15,16,17,18,44,57 with gravity sewers, as several of the receiving sewers may be undersized. Construction of the new road between Harrison Road and Spotsylvania Towne Center will require a pipe and casing for a future sewer project. Adding the sewer crossing with the road project will provide future cost savings. This project is to abandon pump stations in favor of gravity sewers and to modernize and consolidate pump stations. Such operational improvements were not within the scope of the Water/Sewer Master Plan.

Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner (*FY 09 – FY 13 costs = \$14,000,000*)

This project includes funding for the program management approach to executing the Massaponax Interceptor relief sewer projects (Phase 1-5) and the Massaponax sewer extension to Wishner. This approach consists of outsourcing design, bidding, and construction phase services, including construction management plus land acquisition, permitting, and all other aspects except for actual construction to a program manager. Funds for this project were advanced due to scheduling of construction driven by the consent order with DEQ. This project was included in the 2002 Water/Sewer Master Plan.

Pump Station Odor Control and Telemetry (*FY 09 – FY 13 costs = \$668,200*)

This project includes funding for pump station improvements for odor control, alarm condition sensing and transmitting facilities.

FMC STP Expansion and Upgrade (*FY 09 – FY 13 costs = \$42,620,552*)

Funding for this project was updated by CCI. This project includes the design, upgrade, and expansion of the FMC STP from 4.0 to 5.4 MGD and the addition of Enhanced Nutrient Removal. The project will expand the FMC plant from 4.0 MGD to 5.4 MGD, add limit of technology nutrient controls facilities (current best available technology), replace completely the

solids handling system with high performance centrifuges to support the composting program, include instrumentation and control to allow remote monitoring and operations, eliminate gaseous chlorine, etc. Regulations for nitrogen and phosphorus control have evolved to the point that we must upgrade this facility to limit of technology nutrient removal capabilities. Revised estimates are based upon study and report phase engineering.

The expansion and upgrade of FMC is included in the Water/Sewer Master Plan, §6.6. However, the regulatory requirements around which the Plan were based have changed, as have composting-related solids handling needs, so the emphasis in upgrade has changed.

Long Branch Sewer Improvements (*FY 09 – FY 13 costs = \$700,000*)

Project Hazel Run-Long Branch Interceptor is included in the 2002 W/S Master plan. This project is intended to accommodate future flows and eliminate existing pump stations. Funding is needed to allow for the diversion and abandonment of PS # 39 Cedar Brook and PS # 31 Rolling Wood Drive and PS #40 Houser Drive.

Wastewater Collection Extensions to Existing Developments (*FY 09 – FY 13 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 09 – FY 13 costs = \$9,200,000*)

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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