

FY 2011 – FY 2015

Capital Improvement Plan



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CAPITAL IMPROVEMENT PLAN

FY 2011 – FY 2015

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. The CIP is a planning guide for development, modernization and/or replacement of County facilities. Programming capital facilities over time facilitates better use of the County's financial resources and assists in the coordination of public and private development. In addition, the programming process is valuable as a means of coordinating among various County agencies and departments to avoid duplication of effort on projects and to take advantage of joint planning and development of facilities where possible. The CIP should enable us to maintain an effective level of service for citizens of our County, now and into the future.

Funding for Capital projects may come from operating revenues or, as is often the case, from the sale of General Obligation Bonds, which pledges the full faith and credit of the municipality toward the bonds' retirement. In March 2005, the Board of Supervisors (BOS) approved a Debt Referendum Policy to encourage enhanced public participation in the decision making process related to major new construction projects in the County. The policy requires that all new facility construction projects or acquisitions that exceed available budgeted funds be subject to voter referendum approval, unless financed through a revenue supported mechanism. The first year of the CIP becomes the Capital Improvement Budget and is reflected under the Capital Projects Fund, School Capital Projects Fund and Utilities Capital Projects Fund in the Approved Budget Summaries section of this document. The remaining years of the CIP provide an estimated cost of the proposed projects and reflect their anticipated funding sources. The CIP is not an absolute; it may need to be revised and changed according to conditions and requirements of the community. Except for the first year of the CIP which becomes the adopted capital budget, the CIP is always subject to change. At a minimum, the plan should be reviewed annually prior to budget preparation. It represents a coordinated effort at meeting the identified needs and priorities of the community.

Initially, the respective Department Director submits a Project Request Form; an Evaluation Criteria Form; and a Cost Detail Form for each proposed project. Construction requests are reviewed by Capital Projects Management staff and non-construction projects are reviewed by Finance staff. Construction projects are then submitted to the Planning Department for review and discussion with the Planning Commission to ensure that all projects are in compliance with the County's Comprehensive Plan. Finance then reviews, critiques and places each project in the appropriate category in the recommended CIP and works with County Administration and the County's Financial Advisors to ensure that the CIP is within the County's approved Fiscal Policy Guidelines. The BOS holds work sessions in February or March to discuss the draft CIP. A public hearing is held in March or April and the CIP is typically approved in April.

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

Board of Supervisors adopted revised Fiscal Policy Guidelines in January 2010, including revised Utilities Capital Fund polices.

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 financing mechanisms 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 their related debt over several years.

Assumptions

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

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

No new laws will impose significant financial requirements for local expenditures. Federal categorical grants will continue in the various areas to localities. State funding for transportation projects included within the FY 2011 – FY 2015 CIP is based on the 2009 update of Virginia's Secondary Road Six-Year Plan.

2. **Others**

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

Interest rates on bonded indebtedness is assumed at 3.5 percent for the Summer 2010 issuance, 5.75 percent for the Spring 2011 issuance, and 6.0 percent for each issuance thereafter.

Consistent with the approved Fiscal Policy Guidelines, cash available for General Fund projects is at 1.75 percent of General Fund revenues (less obligated transfers) in FY 2011 and increases by 0.25 percent each year thereafter, until it reaches the 5% goal.

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

Operating Expenditure versus Capital Expenditures

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

1. **Cost**

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

2. **Frequency**

A capital project should be nonrecurring. The Government Finance Officers' Association recommends that a capital project should occur no more often than every three years.

Alternative Financing Methods

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

1. **Current Revenue Financing**

Current revenue financing is often referred to as “pay as you go” financing. It is a fiscally conservative method of paying for capital improvements out of current taxes, fees, charges or special assessments. The County’s adopted Fiscal Policy Guidelines address this approach by transferring an annual percentage of General Fund Revenues (less obligated transfers) to the Capital Projects Fund. The guidelines establish a goal of 5 percent annually (with a minimum level of 3 percent). In an effort to achieve this goal the County’s FY 2011 transfer is 1.75 percent 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 2010, the County’s Fiscal Stability Reserve is expected to exceed the 10 percent of General Fund revenues guideline by 0.72 percentage points. The FY 2011 – FY 2015 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 budgeted current revenues. General Obligation bonds are issued for specific capital improvements, which have useful life expectancies similar in length to the repayment schedule of the bonds issued for the projects.

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.

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:

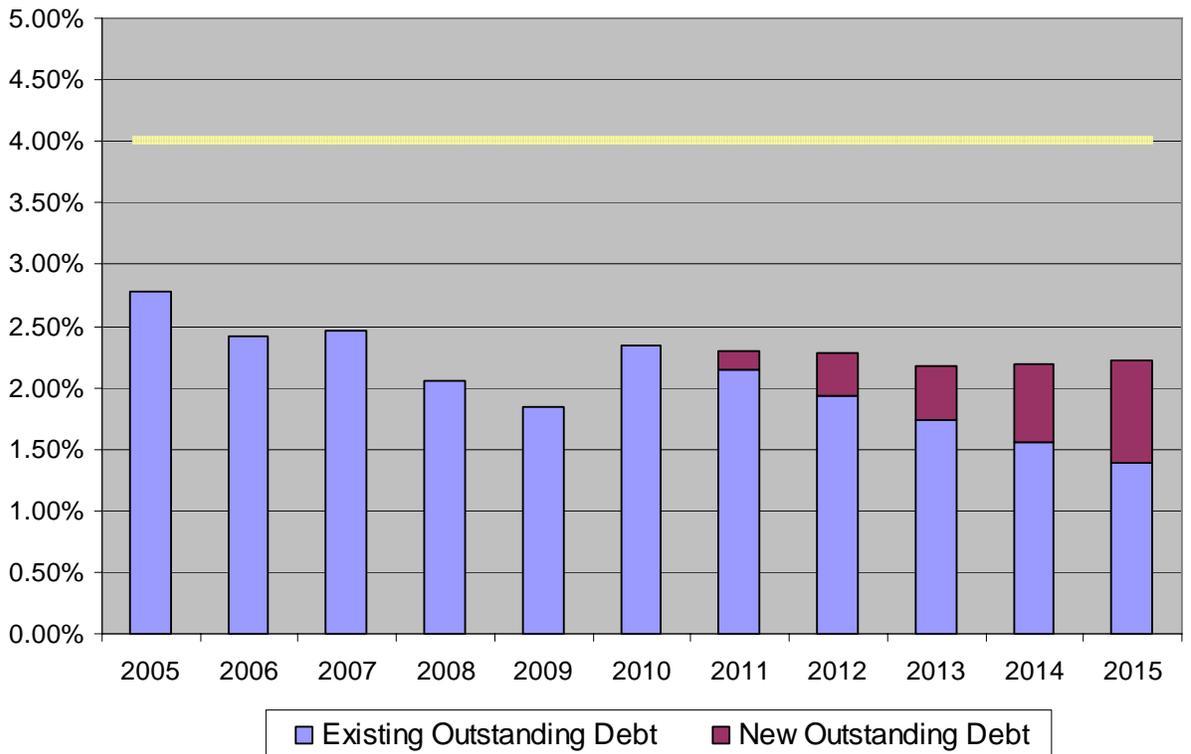
- Net debt as a percentage of estimated market value taxable should not exceed 3 - 4 percent
- The ratio of debt service expenditures as a percent of governmental fund expenditures should not exceed 10 - 12 percent
- The County intends to maintain its 10 year tax-supported debt and lease payout ratio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

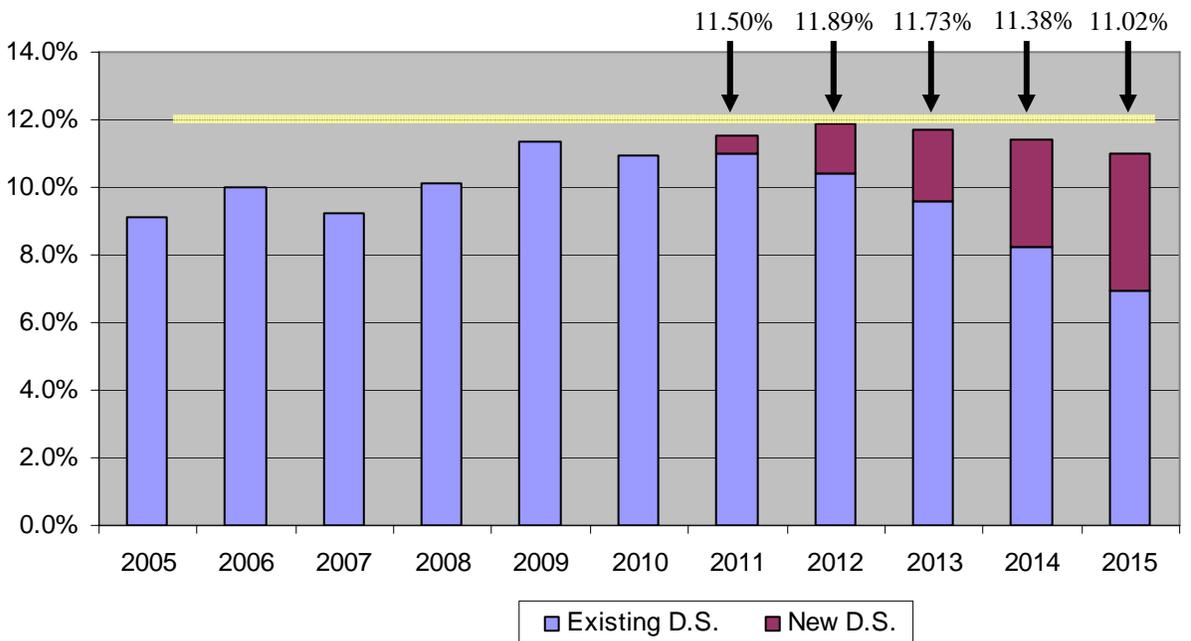
- Bonds are sold on an annual basis.
- The structure of all bond sales is level principal.
- Long-term bonds are structured with 20-year terms.
- Short-term bonds are structured with 12-year terms for buses and fire apparatus and with 7-year terms for rescue apparatus and technology items.
- The growth rates for real property is assumed at 0.5 percent for 2011. Out-year growth is then assumed at 1.0 percent for 2012, 1.5 percent for 2013, 2.0 percent for 2014, and 3.0 percent for 2015.
- Estimated expenditures growth is based on the Budget Plus Five model assuming the adopted \$0.86 tax rate for 2010 and an equalized tax rate each year thereafter.
- The interest rate paid on borrowed funds is fixed at 3.5 percent for the Summer 2010 issuance, fixed at 5.75 percent for the Spring 2011 issuance, and fixed at 6.0 percent each issuance thereafter.

The following displays indicate that the FY 2011 – FY 2015 Adopted CIP is in compliance with the Board's adopted fiscal policy guidelines, although the debt service to expenditures ratio abuts the 12 percent ceiling. The yellow horizontal lines represent the upper limit of the fiscal policy guidelines for each debt ratio.

Outstanding Debt to Assessed Value Ratio



Debt Service to Expenditures Ratio



The payout ratio is an assessment of the speed at which the County repays its debt. For example, at the beginning of FY 2011, including the bonds to be issued in Summer 2010, total general debt outstanding is estimated at \$330.4 million. At the end of FY 2020, ten fiscal years beyond FY 2011 (including FY 2011), the County will have repaid \$204.5 million (61.91 percent) of the debt outstanding at the beginning of FY 2011.

10-Yr Payout Ratio (must be > 55%)	
FY	Payout Ratio
FY 2011	61.91%
FY 2012	64.36%
FY 2013	66.97%
FY 2014	68.67%
FY 2015	70.08%

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 percent of General Fund revenues (excluding obligated transfers), with a minimum of 3 percent. Beginning in FY 2008, the County established the transfer from the General Fund to the Capital Projects Funds at 1 percent, with an additional 0.25 percent to be added each year thereafter. In FY 2011, the transfer from the General Fund to the Capital Projects Fund is budgeted at 1.75 percent of General Fund revenues.

While the \$3.8 million transfer from the General Fund in FY 2011 funds \$1.9 million in capital equipment and software typically funded with the cash transfer, the remaining \$1.9 million is budgeted as a reserve within the Capital Projects Fund. This reserve will be added to the Capital Projects Fund balance at year’s end and, based on the Adopted CIP, will be used to fund capital projects in FY 2012.

Operating Impact

The following table shows the potential impact that implementation of the FY 2011 – FY 2015 CIP could have on the tax rate. This table reflects all General Government, Transportation and Schools capital projects within the five-year planning period. The analysis assumes the adopted real estate tax rate of \$0.86 per \$100 of assessed value in FY 2011 and an equalized rate in the out-years. The “Additional D.S. Budget Needed” column represents the debt service that is over and above the debt service budgeted in FY 2011. The Incremental Tax Rate Impact” shows the tax rate increase necessary each year to fund the approved CIP.

FY 2011 – FY 2015 CIP’s Potential Impact on Tax Rate									
FY	Value of \$0.01	Debt Service Impact			Operational Impact			Total	
		Additional D.S. Budget Needed	Estimated Tax Rate Impact	Incremental Tax Rate Impact	Add'l Operational Budget Needed	Estimated Tax Rate Impact	Incremental Tax Rate Impact	Estimated Tax Rate Impact	Incremental Tax Rate Impact
2011	1,182,274	\$0	\$0.000	\$0.000	\$0	\$0.000	\$0.000	\$0.000	\$0.000
2012	1,191,148	2,155,819	0.018	0.018	812,374	\$0.007	0.007	\$0.025	\$0.025
2013	1,206,052	2,864,173	0.024	0.006	1,668,565	\$0.014	0.007	\$0.038	\$0.013
2014	1,227,181	2,882,545	0.023	0.000	2,122,494	\$0.017	0.003	\$0.041	\$0.003
2015	1,257,921	3,564,516	0.028	0.005	2,134,745	\$0.017	0.000	\$0.045	\$0.005

Given the projected CIP expenditures for the next five years and assuming no available use of fund balances to pay the added debt service, the tax rate would need to increase by a total of 4.6 cents by FY 2015. Of this amount, 2.9 cents is associated with debt service while the remaining 1.7 cents is associated with on-going operating costs related to the projects – primarily staffing of the new Lee Hill fire/rescue station, utilities and maintenance of the new Circuit Court and Public Safety buildings, and annual maintenance agreements on technology projects. Debt service and annual operating costs related to the CIP have been factored into the five-year financial forecast which begins on page 33.

Additionally, estimated annual operating costs including the debt service associated with each project are displayed beginning on page 281.

Spotsylvania County
FY 2011 - FY 2015
Capital Improvements Plan Calendar

September 11, 2009	CIP instructions/forms to departments for request of construction and non-construction projects
October 2, 2009	Departments submit construction project requests/revisions to Capital Projects Management Department; non-construction project requests/revisions to Finance Department
November 2, 2009	Capital Construction Department submits construction project summary sheets, detail project forms, and anticipated project schedules to Finance
November 2, 2009	Zoning forwards updated proffers listing to Finance for review of available proffer funding
November 10, 2009	Schools submits CIP to Finance & Capital Projects Management Departments
January	Planning Department reviews draft CIP to ensure projects conform with Comprehensive Plan
February 3, 2010	Planning Commission reviews potential projects within the CIP for conformance with Comprehensive Plan
March 23, 2010	Board of Supervisors work session to discuss draft CIP
April 8, 2010	Tax Rate, Budget and CIP Public Hearings
April 20, 2010	Adopt FY 2011 – FY 2015 CIP

CIP Summary

Following is a summary of the projects included in the FY 2011 – FY 2015 CIP. The summary shows the anticipated funding by fiscal year for each project. Funding sources are identified by the following codes within the summary sheets.

C = Cash

L = Lease bonds

F = Fire bonds

P = Proffer

IE = Interest earnings

B = Approved bonds

T = Transportation Fund

FB = Future bonds

S = State

TB = Transportation bonds

DSS = Social Services State funds

PPP = Public-Private Partnership

OJ = Other jurisdictions

SD = Special service district

Project Descriptions

Descriptions of each of the projects and the costs of those projects within the FY 2011 - FY 2015 CIP may be found beginning on page 285.

Spotsylvania County, Virginia
FY 2011 - FY 2015 Capital Improvement Plan
Project Summary By Fund

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2011 - FY 2015 Total
General Government Projects:						
General Government and Judicial Facilities	17,413,363	11,795,685	5,791,457	15,124,326	11,003,875	61,128,705
Solid Waste	60,000	3,808,231	3,453,128	2,275,955	2,019,859	11,617,173
Parks and Recreation	0	1,913,060	920,000	880,000	380,000	4,093,060
Fire and Rescue Services	0	10,122,655	1,738,270	2,781,095	5,841,880	20,483,900
General Government Total	17,473,363	27,639,631	11,902,855	21,061,376	19,245,614	97,322,838

Transportation Total	25,000	4,664,698	7,554,603	16,619,060	13,086,207	41,949,568
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School Total *	2,581,293	3,295,975	3,744,366	7,482,215	12,615,791	29,719,640
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* School projects are from the Schools' CIP - February 15, 2010.

Utility Projects:

General Utility Projects	2,300,000	100,000	100,000	1,100,000	1,740,000	5,340,000
Water Projects	9,629,000	2,408,000	11,605,000	10,803,000	12,480,000	46,925,000
Sewer Projects	17,879,200	15,537,300	970,300	3,800,000	0	38,186,800
Utilities Total	29,808,200	18,045,300	12,675,300	15,703,000	14,220,000	90,451,800

CIP Total, All Funds	49,887,856	53,645,604	35,877,124	60,865,651	59,167,612	259,443,846
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

GENERAL GOV'T EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11 - FY 15	Costs beyond FY 2015
General Government and Judicial Facilities - Campus Master Plan									
New Circuit Court Bldg.	9,922,177	B	\$10,694,124	\$221,429	\$0	\$0	\$0	\$10,915,553	\$0
Judicial Center Renovation	373,750	B	\$0	\$0	\$0	\$0	\$3,859,745	\$3,859,745	\$0
Judicial Center Addition	698,577	B	\$0	\$0	\$0	\$0	\$4,714,742	\$4,714,742	\$6,133,185
Renovate Current Sheriff's Office	41,860	B	\$0	\$0	\$1,425,150	\$0	\$0	\$1,425,150	\$0
Public Safety Building	9,019,323	B	\$3,451,720	\$2,659,998	\$0	\$0	\$0	\$6,111,718	\$0
Community Development/Human Svcs Bldg	-	B, C	\$0	\$0	\$0	\$10,962,000	\$0	\$10,962,000	\$0
Capital Project Design Funding	on-going	C, P	\$0	\$170,000	\$0	\$0	\$0	\$170,000	\$0
Subtotal - Campus Master Plan	20,055,687		\$14,145,844	\$3,051,427	\$1,425,150	\$10,962,000	\$8,574,487	\$38,158,908	\$6,133,185

Other General Government Facilities

Facility Asset Management Program	on-going	C, P	\$2,000,000	\$1,969,550	\$564,118	\$1,952,289	\$949,351	\$7,435,308	\$0
Spotsylvania/Fredericksburg Magistrate Facility	22,767	C, OJ	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Spotsylvania Courthouse Museum Floor Replacement	-	C	\$0	\$0	\$0	\$350,000	\$0	\$350,000	\$0
Subtotal - Other General Gov't Facilities	22,767		\$2,150,000	\$1,969,550	\$564,118	\$2,302,289	\$949,351	\$7,935,308	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015**

GENERAL GOVT EXPENDITURES (continued)

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Information Technology									
Replace Public Safety Server	50,000	C	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0
Installation of an Enterprise-wide Fiber Network	26,305	C, L	\$0	\$750,000	\$750,000	\$750,000	\$470,000	\$2,720,000	\$0
AS400 Refresh Upgrade	-	L	\$0	\$250,000	\$0	\$0	\$0	\$250,000	\$0
Network Operations Center A/C Replacement	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Disk Space Expansion	-	C	\$0	\$200,000	\$0	\$0	\$0	\$200,000	\$0
County Website Upgrade	39,280	L	\$0	\$350,000	\$0	\$0	\$0	\$350,000	\$0
Network Conversion to Microsoft	-	L	\$0	\$250,000	\$150,000	\$100,000	\$0	\$500,000	\$0
UPS Upgrades	-	C, L	\$0	\$150,000	\$75,000	\$75,000	\$75,000	\$375,000	\$0
Public Safety Radio System Enhancements	-	L	\$467,519	\$1,402,556	\$935,037	\$935,037	\$935,037	\$4,675,185	\$0
Thornburg multi-site Radio System	-	L	\$0	\$475,000	\$0	\$0	\$0	\$475,000	\$0
Belmont Tower	-	L	\$0	\$0	\$1,392,152	\$0	\$0	\$1,392,152	\$0
Financial System Upgrade - H.T.E.	-	L	\$0	\$400,000	\$250,000	\$0	\$0	\$650,000	\$0
Replace Treasurer's Legacy System	874,364	L	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Land Info System Upgrade - Clerk of Court	-	C	\$0	\$500,000	\$250,000	\$0	\$0	\$750,000	\$0
MSAG Eagle Upgrade	-	C	\$0	\$55,000	\$0	\$0	\$0	\$55,000	\$0
Parks and Recreation System Upgrade	-	C	\$0	\$115,000	\$0	\$0	\$0	\$115,000	\$0
Jury System Upgrade	-	C	\$0	\$60,000	\$0	\$0	\$0	\$60,000	\$0
LRIS (Land Records Information System)	734,434	C	\$50,000	\$50,000	\$0	\$0	\$0	\$100,000	\$0
Personal Property System Upgrades	-	L	\$450,000	\$0	\$0	\$0	\$0	\$450,000	\$0
Broadband Wireless Study	-	C	\$0	\$150,000	\$0	\$0	\$0	\$150,000	\$0
Fredricksburg Radio Tower	-	L	\$0	\$1,392,152	\$0	\$0	\$0	\$1,392,152	\$0
Subtotal - Information Technology	1,608,798		\$1,117,519	\$6,774,708	\$3,802,189	\$1,860,037	\$1,480,037	\$15,034,489	\$0
TOTAL GENERAL GOVT EXPENDITURES	21,687,252		\$17,413,363	\$11,795,685	\$5,791,457	\$15,124,326	\$11,003,875	\$61,128,705	\$6,133,185

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015**

GENERAL GOV'T REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash		C	\$2,117,080	\$3,873,734	\$806,034	\$6,295,634	\$949,351	\$14,041,833	\$0
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Proffers		P	\$7,920	\$80,816	\$8,064	\$6,655	\$0	\$103,475	\$0
Nov 2005 Bond Referenda		B	\$14,145,844	\$2,881,427	\$1,425,150	\$6,962,000	\$8,574,487	\$33,988,908	\$6,133,185
Lease - Purchase		L	\$1,067,519	\$4,959,708	\$3,552,189	\$1,860,037	\$1,480,037	\$12,919,489	\$0
Dept. of Social Services State funds		DSS	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Jurisdictions		OJ	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$0
Future Bonds		FB	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL GENERAL GOV'T REVENUES			\$17,413,363	\$11,795,685	\$5,791,457	\$15,124,326	\$11,003,875	\$61,128,705	\$6,133,185

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015**

SOLID WASTE EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities									
Construction of Cell 5 at Livingston Landfill	-	C, L	\$60,000	\$2,112,024	\$0	\$0	\$0	\$2,172,024	\$0
Partial Closure Cells 3 & 4	-	C	\$0	\$0	\$564,000	\$827,696	\$0	\$1,391,696	\$0
Benchmark Road Consolidated Solid Waste Convenience Center	-	FB	\$0	\$0	\$0	\$737,500	\$1,410,000	\$2,147,500	\$0
Chancellor Solid Waste Convenience Center Access Improvements	28,700	P, C, FB	\$0	\$391,300	\$1,230,000	\$0	\$0	\$1,621,300	\$0
Wood Waste collection/Mulching Operation	-	C	\$0	\$565,000	\$527,320	\$0	\$0	\$1,092,320	\$0
Active Gas Collection System - Cells 1 & 2	-	C	\$0	\$343,900	\$0	\$0	\$0	\$343,900	\$0
Subtotal - Construction/Closing Cells & Facilities	28,700		\$60,000	\$3,412,224	\$2,321,320	\$1,565,196	\$1,410,000	\$8,768,740	\$0

SOLID WASTE - Equipment Replacement

Refuse Disposal Equip Replacement	on-going	L	\$0	\$175,000	\$338,000	\$301,128	\$350,000	\$1,164,128	\$0
Refuse Collection Equip Replacement	on-going	L	\$0	\$136,007	\$793,808	\$326,464	\$149,197	\$1,405,476	\$133,250
Alternative Daily Cover System	-	C	\$0	\$85,000	\$0	\$0	\$0	\$85,000	\$0
Replace Chancellor Trash Compactor	-	C	\$0	\$0	\$0	\$83,167	\$0	\$83,167	\$0
Berkeley Trash Compactor	-	C	\$0	\$0	\$0	\$0	\$110,662	\$110,662	\$0
Subtotal - Solid Waste Equipment Replacement	-		\$0	\$396,007	\$1,131,808	\$710,759	\$609,859	\$2,848,433	\$133,250
TOTAL SOLID WASTE EXPENDITURES	28,700		\$60,000	\$3,808,231	\$3,453,128	\$2,275,955	\$2,019,859	\$11,617,173	\$133,250

SOLID WASTE REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash		C	\$60,000	\$1,383,290	\$1,091,320	\$910,863	\$110,662	\$3,556,135	\$0
Profers		P	\$0	\$1,910	\$0	\$0	\$0	\$1,910	\$0
Lease-Purchase		L	\$0	\$2,423,031	\$1,131,808	\$627,592	\$499,197	\$4,681,628	\$133,250
Future Bonds		FB	\$0	\$0	\$1,230,000	\$737,500	\$1,410,000	\$3,377,500	\$0
TOTAL SOLID WASTE REVENUES			\$60,000	\$3,808,231	\$3,453,128	\$2,275,955	\$2,019,859	\$11,617,173	\$133,250

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

PARKS & RECREATION EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
<i>PARKS AND RECREATION - Construction & Maintenance of Parks and Park Facilities</i>									
Patriot Park Storage Building	86,940	L	\$0	\$138,060	\$0	\$0	\$0	\$138,060	\$0
Hunting Run Park, Phase II	-	C	\$0	\$530,000	\$0	\$0	\$0	\$530,000	\$0
Belmont Passive Park - trails/picnic area	52,987	C	\$0	\$300,000	\$0	\$0	\$0	\$300,000	\$0
Livingston Community Center & Park - Phase I	-	C	\$0	\$0	\$0	\$0	\$80,000	\$80,000	\$882,675
Marshall Center Auditorium, Phase I	571,040	L	\$0	\$120,000	\$120,000	\$0	\$0	\$240,000	\$0
Marshall Center Auditorium, Phase II	-	C	\$0	\$0	\$0	\$400,000	\$0	\$400,000	\$0
Marshall Park Upgrades	-	C	\$0	\$0	\$800,000	\$0	\$0	\$800,000	\$0
Ni River Park	-	C	\$0	\$0	\$0	\$0	\$300,000	\$300,000	\$4,035,700
Patriot Park Field Lighting	-	L	\$0	\$495,000	\$0	\$480,000	\$0	\$975,000	\$0
Legion Field Replacement Lighting	-	C	\$0	\$330,000	\$0	\$0	\$0	\$330,000	\$0
TOTAL PARKS & REC EXPENDITURES	710,967		\$0	\$1,913,060	\$920,000	\$880,000	\$380,000	\$4,093,060	\$4,918,375

PARKS & RECREATION REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash		C	\$0	\$1,160,000	\$800,000	\$400,000	\$380,000	\$2,740,000	\$4,918,375
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Lease-Purchase		L	\$0	\$753,060	\$120,000	\$480,000	\$0	\$1,353,060	\$0
Proffers		P	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL PARKS & REC REVENUES			\$0	\$1,913,060	\$920,000	\$880,000	\$380,000	\$4,093,060	\$4,918,375

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

FIRE & RESCUE SERVICES EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
<i>FIRE/RESCUE SERVICES - Construction Projects</i>									
Replacement of F/R #5 (Chancellor)	611,115	F	\$0	\$5,458,343	\$0	\$0	\$0	\$5,458,343	\$0
Lee Hill District F/R Station	324,764	C, F	\$0	\$1,716,657	\$0	\$0	\$4,181,981	\$5,898,638	\$0
Regional Fire Training Center	-	OJ, C, P	\$0	\$250,000	\$0	\$1,000,000	\$0	\$1,250,000	\$0
Subtotal Fire/Rescue construction	935,879		\$0	\$7,425,000	\$0	\$1,000,000	\$4,181,981	\$12,606,981	\$0
<i>FIRE/RESCUE SERVICES - Equipment</i>									
Replacement Fire Equipment	-	L	\$0	\$1,161,862	\$1,167,956	\$1,225,000	\$1,076,000	\$4,630,818	\$0
Replacement EMS Equipment	-	L	\$0	\$504,393	\$529,614	\$556,095	\$563,899	\$2,174,001	\$0
Cascade System FC #3, FC #9 & FC #10	-	C, P	\$0	\$81,400	\$40,700	\$0	\$0	\$122,100	\$0
Ladder Truck for 4-Mile Fork Area	-	L	\$0	\$950,000	\$0	\$0	\$0	\$950,000	\$0
Subtotal Fire/Rescue equipment	-		\$0	\$2,697,655	\$1,738,270	\$1,781,095	\$1,659,899	\$7,876,919	\$0
TOTAL FIRE/RESCUE SVCS EXPENDITURES	935,879		\$0	\$10,122,655	\$1,738,270	\$2,781,095	\$5,841,880	\$20,483,900	\$0

FIRE & RESCUE SERVICES REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash		C	\$0	\$158,512	\$40,700	\$333,333	\$4,181,981	\$4,714,527	\$0
Proffers		P	\$0	\$6,221	\$0	\$0	\$0	\$6,221	\$0
Nov 2001 Fire/Rescue Bond Referenda		F	\$0	\$7,175,000	\$0	\$0	\$0	\$7,175,000	\$0
Future Bonds		FB	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Other Jurisdictions		OJ	\$0	\$166,667	\$0	\$666,667	\$0	\$833,333	\$0
Lease - Purchase		L	\$0	\$2,616,255	\$1,697,570	\$1,781,095	\$1,659,899	\$7,754,819	\$0
TOTAL FIRE/RESCUE SVCS REVENUES			\$0	\$10,122,655	\$1,738,270	\$2,781,095	\$5,841,880	\$20,483,900	\$0

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

TRANSPORTATION EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
TRANSPORTATION									
Transportation - rural additions	-	T	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	\$0
Transportation PPTA projects (Phase II)	-	T, TB, S	\$0	\$1,939,698	\$4,929,603	\$15,094,060	\$13,061,207	\$35,024,568	\$2,612,873
Unpaved Roads (identified "Fair")	5,498,621	TB	\$0	\$2,500,000	\$2,600,000	\$1,300,000	\$0	\$6,400,000	\$0
General Engineering Consultant	1,528,535	T, TB	\$0	\$200,000	\$0	\$200,000	\$0	\$400,000	\$0
TOTAL TRANSPORTATION EXPENDITURES	20,548,637		\$25,000	\$4,664,698	\$7,554,603	\$16,619,060	\$13,086,207	\$41,949,568	\$2,612,873

TRANSPORTATION REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Proffers		P	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov 2005 Transportation Bond Referenda		TB	\$0	\$4,139,698	\$5,062,258	\$13,756,717	\$12,171,207	\$35,129,880	\$2,222,873
Reimbursement/aid from State/Federal gov't		S	\$0	\$0	\$1,967,345	\$2,337,343	\$390,000	\$4,694,688	\$390,000
Transfer from Transportation Fund		T	\$25,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,125,000	\$0
TOTAL TRANSPORTATION REVENUES			\$25,000	\$4,664,698	\$7,554,603	\$16,619,060	\$13,086,207	\$41,949,568	\$2,612,873

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

SCHOOL CAPITAL EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
SCHOOL NON-CONSTRUCTION CAPITAL PROJECTS									
Transportation Buses	on-going	B	\$0	\$1,299,964	\$2,661,329	\$2,829,311	\$5,416,073	\$12,207,277	\$3,001,607
Capital Maintenance	on-going	B, FB	\$2,581,293	\$1,281,329	\$192,889	\$2,489,900	\$5,728,318	\$12,273,729	\$1,740,000
Technology Replacements/Upgrades	on-going	B	\$0	\$714,682	\$889,548	\$2,163,004	\$1,471,400	\$5,238,634	\$949,272
Subtotal - School Non-Construction	-		\$2,581,293	\$3,295,975	\$3,744,366	\$7,482,215	\$12,615,791	\$29,719,640	\$5,690,879
TOTAL SCHOOL CAPITAL PROJECTS EXPENDITURES	-		\$2,581,293	\$3,295,975	\$3,744,366	\$7,482,215	\$12,615,791	\$29,719,640	\$9,474,101

*** School projects are from the edited version of the School's draft CIP dated November 23, 2009.

SCHOOL CAPITAL REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Interest Earnings		IE	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Nov 2005/2006 School Bond Referenda		B	\$2,581,293	\$3,295,975	\$3,744,366	\$7,482,215	\$12,615,791	\$29,719,640	\$9,474,101
Future Bonds		FB	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL SCHOOL CAPITAL PROJECTS REVENUES			\$2,581,293	\$3,295,975	\$3,744,366	\$7,482,215	\$12,615,791	\$29,719,640	\$9,474,101

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015**

UTILITIES CAPITAL EXPENDITURES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
General Utilities Projects									
EC Dev Infrastructure Imp	116,359	C	\$850,000	\$0	\$0	\$0	\$0	\$850,000	\$0
Utility Complex Expansion	1,321,655	C, B	\$0	\$0	\$0	\$1,000,000	\$1,540,000	\$2,540,000	\$2,680,000
System Improvement Opportunities with Developers	1,908,962	C	\$550,000	\$0	\$0	\$0	\$0	\$550,000	\$0
Replacement Trommel Screen	-	C	\$350,000	\$0	\$0	\$0	\$0	\$350,000	\$0
Security Improvements	426,599	C	\$550,000	\$100,000	\$100,000	\$100,000	\$200,000	\$1,050,000	\$0
SUBTOTAL GENERAL UTILITIES PROJECTS	3,773,575		\$2,300,000	\$100,000	\$100,000	\$1,100,000	\$1,740,000	\$5,340,000	\$2,680,000

Water Projects

Motts Run Water Treatment Plant	7,427,876	C, B	\$875,000	\$250,000	\$1,092,000	\$9,628,000	\$12,480,000	\$24,325,000	\$6,240,000
Motts Run Dam Repairs	1,424,523	C	\$1,670,000	\$0	\$0	\$0	\$0	\$1,670,000	\$0
Ni River Treatment Plant Improvements	1,488,535	C	\$1,700,000	\$0	\$0	\$0	\$0	\$1,700,000	\$0
Rt 3 Bragg Road Pipe Replacement	341,125	C	\$300,000	\$0	\$0	\$0	\$0	\$300,000	\$0
Distribution System Extensions by Policy	899,754	C	\$150,000	\$0	\$0	\$0	\$0	\$150,000	\$0
Four Mile Fork Water Transmission Facility Improvements	31,466	C	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0
Five Mile Fork Water Transmission Improvements	222,514	C, B	\$1,998,000	\$0	\$5,840,000	\$0	\$0	\$7,838,000	\$0
Thornburg Water Transmission Facilities Improvements	2,700,358	C, B	\$50,000	\$2,048,000	\$3,673,000	\$1,175,000	\$0	\$6,946,000	\$0
Lee Hill Water Transmission Improvements	-	C	\$400,000	\$0	\$0	\$0	\$0	\$400,000	\$0
New Post Water Transmission Facilities	-	C	\$1,286,000	\$0	\$1,000,000	\$0	\$0	\$2,286,000	\$0
Hunting Run Reservoir	40,438,743	C	\$0	\$110,000	\$0	\$0	\$0	\$110,000	\$0
New Water Source	351,223	C	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0
Tank Maintenance	300,000	C	\$350,000	\$0	\$0	\$0	\$0	\$350,000	\$0
Conversion to Radio Reading System for Water Meters	840,000	C	\$250,000	\$0	\$0	\$0	\$0	\$250,000	\$0
SUBTOTAL WATER PROJECTS	55,326,117		\$9,629,000	\$2,408,000	\$11,605,000	\$10,803,000	\$12,480,000	\$46,925,000	\$6,240,000

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

UTILITIES EXPENDITURES (continued)

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Sewer Projects									
Courthouse Village Improvements	2,163,238	C	\$890,000	\$0	\$0	\$0	\$0	\$890,000	\$0
Redirect Hazel Run Pump Station	724,667	C	\$580,000	\$0	\$0	\$0	\$0	\$580,000	\$0
Deep Run Sewer Improvements	905,782	C	\$500,000	\$0	\$0	\$0	\$0	\$500,000	\$0
Massaponax Sewage Treatment Plant	35,472,030	C, B	\$9,900,000	\$10,000,000	\$0	\$0	\$0	\$19,900,000	\$0
Greengate Sewer Improvements - Moits	383,257	C	\$410,000	\$300,000	\$0	\$0	\$0	\$710,000	\$0
American Central Pump Station Improvements	637,704	C	\$2,200,000	\$920,000	\$0	\$0	\$0	\$3,120,000	\$0
Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner	44,466,335	B	\$2,997,600	\$2,961,700	\$0	\$0	\$0	\$5,959,300	\$0
Pump Station Odor Control	408,262	C	\$131,600	\$225,600	\$112,800	\$0	\$0	\$470,000	\$0
SSO Compliance	292,612	C	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0
Wastewater Collection Extensions to Existing Developments	2,113,738	C	\$50,000	\$450,000	\$37,500	\$0	\$0	\$537,500	\$0
Thornburg Wastewater Transmission Improvements	724,586	C,B	\$120,000	\$680,000	\$820,000	\$3,800,000	\$0	\$5,420,000	\$0
SUBTOTAL SEWER PROJECTS	88,292,211		\$17,879,200	\$15,537,300	\$970,300	\$3,800,000	\$0	\$38,186,800	\$0
TOTAL UTILITIES EXPENDITURES	88,514,725		\$29,808,200	\$18,045,300	\$12,675,300	\$15,703,000	\$14,220,000	\$90,451,800	\$8,920,000

UTILITIES REVENUES

	Total Budget through FY 2010	Funding Source	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash		C	\$16,880,508	\$3,519,556	\$3,936,850	\$3,936,850	\$3,936,850	\$32,210,614	\$8,920,000
Revenue Bonds		B	\$12,927,692	\$14,525,744	\$8,738,450	\$11,766,150	\$10,283,150	\$58,241,186	
TOTAL UTILITIES REVENUES			\$29,808,200	\$18,045,300	\$12,675,300	\$15,703,000	\$14,220,000	\$90,451,800	\$8,920,000

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENT PLAN**

FY 2011 - FY 2015

CIP EXPENDITURES SUMMARY

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 10- FY 14	Costs beyond FY 2015
TOTAL FY 2011 - FY 2015 CIP	\$49,887,856	\$53,645,604	\$35,877,124	\$60,865,651	\$59,167,612	\$59,167,612	\$259,443,846	\$32,191,784

CIP REVENUE SUMMARY

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11- FY 15	Costs beyond FY 2015
Cash	\$19,057,588	\$10,095,092	\$6,674,904	\$11,876,680	\$9,558,844	\$57,263,109	\$13,838,375
Interest Earnings	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Profess	\$7,920	\$88,947	\$8,084	\$6,655	\$0	\$111,606	\$0
Nov 2001 Fire/Rescue Bond Referenda	\$0	\$7,175,000	\$0	\$0	\$0	\$7,175,000	\$0
Nov 2005 Bond Referenda - Gen. Gov't	\$14,145,844	\$2,881,427	\$1,425,150	\$6,962,000	\$8,574,487	\$33,988,908	\$6,133,185
Nov 2005/2006 Bond Referenda - Schools	\$2,581,293	\$3,295,975	\$3,744,366	\$7,482,215	\$12,615,791	\$29,719,640	\$9,474,101
Nov 2005 Bond Referenda - Transportation	\$0	\$4,139,698	\$5,062,258	\$13,756,717	\$12,171,207	\$35,129,880	\$2,222,873
Future Bonds	\$0	\$0	\$1,230,000	\$737,500	\$1,410,000	\$3,377,500	\$0
Revenue Bonds - Utilities	\$12,927,692	\$14,525,744	\$8,738,450	\$11,766,150	\$10,283,150	\$58,241,186	\$0
Lease - Purchase	\$1,067,519	\$10,752,054	\$6,501,567	\$4,748,724	\$3,639,133	\$26,708,996	\$133,250
Other Jurisdictions	\$75,000	\$166,667	\$0	\$666,667	\$0	\$908,333	\$0
Transfer from Transportation Fund	\$25,000	\$525,000	\$525,000	\$525,000	\$525,000	\$2,125,000	\$0
Reimbursement/aide from State	\$0	\$0	\$1,967,345	\$2,337,343	\$390,000	\$4,694,688	\$390,000
Dept. of Social Services State funds	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL FY 2011 - FY 2015 CIP	\$49,887,856	\$53,645,604	\$35,877,124	\$60,865,651	\$59,167,612	\$259,443,846	\$32,191,784

Spotsylvania County, Virginia
FY 2011 - FY 2015 CIP
 Funding Summary - excludes Utilities

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	5-Yr Totals
Projects						
Campus Master Plan	14,145,844	3,051,427	1,425,150	10,962,000	8,574,487	38,158,908
Other General Government	3,267,519	8,744,258	4,366,307	4,162,326	2,429,388	22,969,797
Solid Waste	60,000	3,808,231	3,453,128	2,275,955	2,019,859	11,617,173
Parks & Recreation	0	1,913,060	920,000	880,000	380,000	4,093,060
Fire/Rescue Services	0	10,122,655	1,738,270	2,781,095	5,841,880	20,483,900
Transportation	25,000	4,664,698	7,554,603	16,619,060	13,086,207	41,949,568
Schools	2,581,293	3,295,975	3,744,366	7,482,215	12,615,791	29,719,640
Other Uses						
Construction Management Team	292,330	305,982	319,166	332,917	347,262	1,597,657
TOTAL EXPENDITURES	\$20,371,986	\$35,906,286	\$23,520,990	\$45,495,568	\$45,294,874	\$170,589,703
Funding Sources						
General Gov't Bonds - 2005 Referendum	14,145,844	2,881,427	1,425,150	6,962,000	8,574,487	33,988,908
General Gov't Bonds - Future Referendum	0	0	1,230,000	737,500	1,410,000	3,377,500
General Gov't Bonds - Leases	1,067,519	8,135,799	4,803,997	2,967,629	1,979,234	18,954,177
Fire/Rescue Bonds - 2001 Referendum	0	7,175,000	0	0	0	7,175,000
Fire/Rescue Bonds - Leases	0	2,616,255	1,697,570	1,781,095	1,659,899	7,754,819
Transportation Bonds - 2005 Referendum	0	4,139,698	5,062,258	13,756,717	12,171,207	35,129,880
School Bonds - 2005/2006 Referendum	2,581,293	3,295,975	3,744,366	7,482,215	12,615,791	29,719,640
School Bonds - Future Referendum	0	0	0	0	0	0
Subtotal - Bonds & Leases	\$17,794,656	\$28,244,154	\$17,963,341	\$33,687,156	\$38,410,618	\$136,099,924
Transfer from General Fund	3,758,827	4,354,218	4,979,094	5,654,430	6,398,159	25,144,727
Transfer from Transportation Fund	163,381	669,344	675,564	682,052	688,820	2,879,161
Transfer from Utilities Fund	475,659	464,757	131,386	386,077	38,375	1,496,254
Subtotal - Transfers from Other Funds	\$4,397,867	\$5,488,319	\$5,786,044	\$6,722,559	\$7,125,354	\$29,520,142
Proffers	7,920	88,947	8,084	6,655	0	111,606
State/Federal Transportation Funds	0	0	1,967,345	2,337,343	390,000	4,694,688
Other Sources (other jurisdictions, interest, etc.)	105,000	175,667	9,000	675,667	9,000	974,333
Subtotal - Other Sources	\$112,920	\$264,614	\$1,984,429	\$3,079,665	\$399,000	\$5,780,627
Use of (Addition to) Fund Balance	(\$1,933,457)	\$1,909,200	(\$2,212,824)	\$2,066,188	(\$640,098)	(\$810,990)
TOTAL REVENUE	\$20,371,986	\$35,906,286	\$23,520,990	\$45,495,568	\$45,294,874	\$170,589,703
Capital Projects Fund Balance - Beginning of FY	\$0	\$1,933,457	\$24,257	\$2,237,081	\$170,893	\$170,893
Capital Projects Fund Balance - End of FY	\$1,933,457	\$24,257	\$2,237,081	\$170,893	\$810,990	\$810,990

Spotsylvania County, Virginia
FY 2011 - FY 2015 CIP
 Utilities Funding Summary

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	5-Yr Totals
Projects						
General Utilities Projects	2,300,000	100,000	100,000	1,100,000	1,740,000	5,340,000
Water Projects	9,629,000	2,408,000	11,605,000	10,803,000	12,480,000	46,925,000
Sewer Projects	17,879,200	15,537,300	970,300	3,800,000	0	38,186,800
TOTAL EXPENDITURES	\$29,808,200	\$18,045,300	\$12,675,300	\$15,703,000	\$14,220,000	\$90,451,800
Funding Sources						
Connection Fees	2,068,960	2,327,970	2,671,980	2,671,980	2,671,980	12,412,870
Revenue Bonds	12,927,692	14,525,744	8,738,450	11,766,150	10,283,150	58,241,186
Other Sources	1,573,922	1,408,656	1,031,250	1,000,000	1,000,000	6,013,828
Use of (Addition to) Fund Balance - Capital	13,237,626	(217,070)	233,620	264,870	264,870	13,783,916
TOTAL REVENUE	\$29,808,200	\$18,045,300	\$12,675,300	\$15,703,000	\$14,220,000	\$90,451,800
Utilities Capital Fund Balance - Begin FY	\$37,115,466	\$23,877,840	\$24,094,910	\$23,861,290	\$23,596,420	
Utilities Capital Fund Balance - End of FY	\$23,877,840	\$24,094,910	\$23,861,290	\$23,596,420	\$23,331,550	

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015 Estimated Additional Operational Costs**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11 - FY 15
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General Government and Judicial Facilities - Campus Master Plan

New Circuit Court Bldg	892,259	1,130,085	1,424,770	1,440,881	1,452,959	6,340,954
Judicial Center Renovations	-	-	-	-	424,572	424,572
Judicial Center Addition	-	-	-	-	518,622	518,622
Renovation of Sheriff's Office	-	-	156,767	152,491	148,216	457,473
Public Safety Building	499,584	744,405	1,030,013	1,048,401	1,064,971	4,387,374
Community Development/Human Services Building	-	-	-	1,146,902	1,083,177	2,230,079
<i>Subtotal Operating Costs</i>	-	539,874	1,123,026	1,549,402	1,553,981	4,766,283
<i>Subtotal Debt Service Costs</i>	1,391,843	1,334,616	1,488,524	2,239,273	3,138,535	9,592,791
Subtotal Campus Master Plan	1,391,843	1,874,490	2,611,550	3,788,675	4,692,516	14,359,074

Information Technology

Replace Public Safety Server	-	-	2,500	2,500	2,500	7,500
Install Enterprise-wide Fiber Network	-	123,157	271,686	413,786	492,657	1,301,286
AS400 Refresh Upgrade	-	50,089	98,036	95,982	93,929	338,036
Network Conversion to Microsoft	-	50,000	75,000	100,000	125,000	350,000
Disk Space Expansion	-	-	5,000	5,000	5,000	15,000
Network Operations Center A/C Replacement	-	-	5,000	5,000	5,000	15,000
County Website Upgrade	-	95,125	92,250	89,375	86,500	363,250
Network Conversion to Microsoft	-	50,089	78,464	95,411	91,214	315,179
UPS Upgrades	-	5,000	20,214	34,786	48,714	108,714
Public Safety Radio System Enhancements	90,164	367,837	542,656	709,460	868,249	2,578,365
Thornburg Multi-Site Radio System	-	120,170	116,268	112,366	88,464	437,268
Belmont Tower	-	-	307,408	295,475	283,543	886,426
Financial System Upgrade - H.T.E.	-	80,143	202,571	197,143	191,714	671,571
Replace Treasurer's Legacy System	63,929	67,857	66,786	65,714	64,643	328,929
MSAG Eagle Upgrade	-	10,000	10,000	10,000	10,000	40,000
Parks and Recreation System Upgrade	-	-	15,000	15,000	15,000	45,000
Jury System Upgrade	-	-	6,000	6,000	6,000	18,000
Land Records Information System	5,000	5,000	5,000	5,000	5,000	25,000
Personal Property System Upgrades	86,786	128,571	125,357	122,143	118,929	581,786
Fredericksburg Radio Tower	-	303,928	292,492	281,057	269,621	1,147,097
<i>Subtotal Operating Costs</i>	40,000	265,000	473,500	498,500	503,500	1,780,500
<i>Subtotal Debt Service Costs</i>	205,879	1,191,966	1,864,188	2,162,697	2,368,177	7,792,906
Subtotal Information Technology	245,879	1,456,966	2,337,688	2,661,197	2,871,677	9,573,406

Solid Waste - Construction/Closing of Landfill cells & Facilities

Construction Cell 5	-	423,159	405,810	388,462	371,113	1,588,544
Benchmark Road Solid Waste Convenience Center	-	-	-	81,125	234,013	315,138
Chancellor Solid Waste Access Improvements	-	-	135,300	131,610	127,920	394,830
Refuse Disposal Equipment Replacement	-	35,063	102,191	158,942	223,026	519,222
Refuse Collection Equipment Replacement	-	27,250	187,162	245,467	265,013	724,892
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	485,472	830,463	1,005,605	1,221,084	3,542,625
Subtotal Solid Waste	-	485,472	830,463	1,005,605	1,221,084	3,542,625

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015 Estimated Additional Operational Costs**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11 - FY 15
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Parks and Recreation

Patriot Park Storage Building	-	14,841	30,148	30,385	30,651	106,024
Hunting Run Park, Phase II	-	-	47,586	49,505	51,514	148,605
Marshall Center Auditorium - Phase I	-	12,900	25,755	25,050	24,345	88,050
Patriot Park Field Lighting	-	53,213	51,789	103,166	100,303	308,471
<i>Subtotal Operating Costs</i>	-	-	63,289	65,842	68,514	197,645
<i>Subtotal Debt Service Costs</i>	-	80,954	91,989	142,264	138,299	453,506
Subtotal Parks & Rec - Facilities	-	80,954	155,278	208,106	206,813	651,151

Fire/Rescue Services Construction Projects

Replacement of F/R #5 (Chancellor)	-	586,772	571,079	555,386	539,694	2,252,931
Lee Hill District F/R Station	-	184,541	179,605	174,670	169,734	708,550
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	771,313	750,684	730,056	709,428	2,961,481
Subtotal F&R Construction	-	771,313	750,684	730,056	709,428	2,961,481

Fire/Rescue Services - Equipment

Replacement Fire Equipment	-	163,629	325,469	489,645	626,340	1,605,082
Replacement EMS Equipment	-	101,059	204,351	308,477	413,475	1,027,362
Cascade Systems	-	2,500	3,750	3,750	3,750	13,750
Ladder Truck for 4-Mile Fork area	-	138,792	134,240	129,688	125,135	527,854
<i>Subtotal Operating Costs</i>	-	7,500	8,750	8,750	8,750	33,750
<i>Subtotal Debt Service Costs</i>	-	398,479	659,060	922,809	1,159,950	3,140,298
Subtotal F&R Equipment	-	405,979	667,810	931,559	1,168,700	3,174,048

Transportation

PPTA Projects, Phase II	-	154,768	421,477	1,758,190	3,048,726	5,383,161
Unpaved Roads	-	268,750	547,563	675,575	656,688	2,148,575
General Engineer Consultant (GEC)	-	21,500	20,925	42,350	41,175	125,950
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	-	445,018	989,964	2,476,115	3,746,589	7,657,686
Subtotal Transportation	-	445,018	989,964	2,476,115	3,746,589	7,657,686

Total General Gov't & Transportation	\$1,637,722	\$5,520,191	\$8,343,437	\$11,801,313	\$14,616,807	\$41,919,470
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**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENT PLAN
FY 2011 - FY 2015 Estimated Additional Operational Costs**

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total FY 11 - FY 15
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School Capital Projects

Transportation Buses	-	183,078	558,392	944,388	1,687,007	3,372,866
Capital maintenance	172,086	309,829	327,363	596,989	1,215,372	2,621,639
Technology - 7 years	-	143,192	317,772	743,058	1,009,506	2,213,528
<i>Subtotal Operating Costs</i>	-	-	-	-	-	-
<i>Subtotal Debt Service Costs</i>	172,086	636,099	1,203,527	2,284,435	3,911,885	8,208,033

Total School Capital Projects	\$172,086	\$636,099	\$1,203,527	\$2,284,435	\$3,911,885	\$8,208,033
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Grand Totals - General and School Projects

Total Operational Costs	40,000	812,374	1,668,565	2,122,494	2,134,745	6,778,178
Total Debt Service	1,769,808	5,343,916	7,878,399	11,963,254	16,393,948	43,349,325

Total Gen. Gov't, Trans. & Schools	\$1,809,808	\$6,156,290	\$9,546,964	\$14,085,748	\$18,528,693	\$50,127,503
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Utility Projects

\$27.5M borrowed in FY10 for FY11 & FY12	-	788,000	1,726,000	1,820,000	1,956,000	6,290,000
\$20.5M borrowed in FY12 for FY13 & FY 14	-	0	1,489,637	1,489,637	1,489,637	4,468,911
\$10.3M borrowed in FY14 for FY15	-	-	-	-	747,060	747,060

Total Utilities Debt Service	\$0	\$788,000	\$3,215,637	\$3,309,637	\$4,192,697	\$11,505,970
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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 11 – FY 15 costs = \$37,988,908*)

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 purchase of the WJ Vakos Co. building for housing the County offices currently housed in leased space in the Massaponax area.

Capital Project Design Funding (*FY 11 – FY 15 costs = \$170,000*)

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

Other General Government Facilities

Facility Asset Management Program (*FY 11 – FY 15 costs = \$7,435,308*)

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

Spotsylvania/Fredericksburg Magistrate Facility (*FY 11 – FY 15 costs = \$150,000*)

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

Spotsylvania Courthouse Museum Floor Replacement (*FY 11 – FY 15 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.

Information Technology

Replace Public Safety Server (*FY 11 – FY 15 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 11 – FY 15 costs = \$2,720,000*)

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

AS400 Refresh Upgrade (*FY 11 – FY 15 costs = \$250,000*)

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

Network Operations Center A/C Replacement (*FY 11 – FY 15 costs = \$150,000*)

This project establishes a replacement cycle for the County's air conditioning units in the county's primary network operations center. The existing three A/C units run 24/7 365 days a year. Each unit is maintained on a regular basis. However, to avoid failure of a unit and the high potential of significant network outages due to the high heat in the network operations center, this funding is requested to schedule the replacement of the two oldest units in FY 2012.

Disk Space Expansion (*FY 11 – FY 15 costs = \$200,000*)

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

County Website Upgrade (*FY 11 – FY 15 costs = \$350,000*)

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

Network Conversion to Microsoft (*FY 11 – FY 15 costs = \$500,000*)

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

UPS Upgrades (*FY 11 – FY 15 costs = \$375,000*)

This project establishes a 5-6 year replacement cycle for the County's Uninterruptible Power Supply (UPS) in the primary network operations center, the E911 network operations center, the Chancellor tower site, the Livingston tower site, and the Marshall Center. The existing UPS' throughout each of these locations support a wide variety of core county functions, such as public safety communications, E911 dispatch, financial applications, and core network infrastructure systems, such as email, internet, telephones, etc.

Public Safety Radio System Enhancements (*FY 11 – FY 15 costs = \$4,675,185*)

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

Thornburg Multi-site Radio System (*FY 11 – FY 15 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 11 – FY 15 costs = \$1,392,152*)

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.

Financial System Upgrade - H.T.E. (FY 11 – FY 15 costs = \$650,000)

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

Replace Treasurer's Legacy System (FY 11 – FY 15 costs = \$150,000)

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 11 – FY 15 costs = \$750,000)

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

MSAG Eagle Upgrade (FY 11 – FY 15 costs = \$55,000)

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

Parks and Recreation System Upgrade (FY 11 – FY 15 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 11 – FY 15 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 11 – FY 15 costs = \$100,000)

The Land Records Information System (LRIS) tracks all aspects of land related data for Spotsylvania County. It incorporates Real Estate, Code Compliance (Building, Zoning, and Environmental Engineering), Planning, Business License, Treasurer, Finance, GIS, Assessment and Circuit Court. Users from all departments are able to access, and maintain land related data real-time in one central location, collaborate seamlessly with other departments, businesses and

citizens in disparate locations, and utilize analysis tools within the system to summarize, interpret, and present the data available in the system in a professional manner. Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and will be due for replacement no later than FY 2013. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels.

Personal Property System Upgrade (*FY 11 – FY 15 costs = \$450,000*)

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

Broadband Wireless Study (*FY 11 – FY 15 costs = \$150,000*)

As the County works to expand broadband wireless services for its citizens as a Wireless Service Authority, an engineering study is necessary to determine what would need to be done to implement wireless services to residents in underserved areas of the County.

Fredericksburg Radio Tower (*FY 11 – FY 15 costs = \$1,392,152*)

This project includes land acquisition, construction and installation of a 300 ft radio tower and radio repeaters in the Tidewater Trail/Rt. 2 and 17/Post Oaks areas of the County. The current public safety radio system provides radio coverage to 95% of the County. The remaining 5% 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 Tidewater Trail/Rt 2 and 17/Post Oak areas as a high priority requiring improved communications.

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Solid Waste

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Solid Waste Projects

Construction/Closing of Landfill Cells & Facilities

Construction of Cell 5 at Livingston Landfill (FY 11 – FY 15 costs = \$2,172,024)

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

Partial Closure of Cells 3 & 4 (FY 11 – FY 15 costs = \$1,391,696)

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

Benchmark Road Consolidated Solid Waste Convenience Center (FY 11 – FY 15 costs = \$2,147,500)

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

Chancellor Solid Waste Convenience Center Access Improvements (FY 11 – FY 15 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 11 – FY 15 costs = \$1,092,320)

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.

Active Gas Collection System – Cells 1 & 2 (FY 11 – FY 15 costs = \$343,900)

This project will build on the Department of Energy grant funds received in FY 2010 for the construction of an active gas flare station and a partial installation of the gas well network in Cells 1 and 2.

Equipment Replacement

Refuse Disposal Equipment Replacement (*FY 11 – FY 15 costs = \$1,164,128*)

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 10,000 work hours. The funding for this project will be used to purchase three track loaders and a compactor.

Refuse Collection Equipment Replacement (*FY 11 – FY 15 costs = \$1,405,476*)

Funding for this project will replace three roll-off trucks, a hooklift, a rubber tire loader, and a tub grinder from FY 2011 through FY 2015. 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 less than 300,000 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.

Alternative Daily Cover System (*FY 11 – FY 15 costs = \$85,000*)

The County is required by law to cover the disposal working face with 6 inches of virgin soil at the close of each operational day. The excavation of this material costs considerable man-hours and equipment usage. In addition to the operational costs, the usage of the conventional daily cover reduces the life expectancy of the landfill by taking up valuable airspace. Implementation of an alternative daily cover will save approximately 45,000 cubic yards of airspace per year; the equivalent of 0.35 years of life for every year the alternative daily cover system is used.

Replace Chancellor Trash Compactor (*FY 11 – FY 15 costs = \$83,167*)

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

Berkeley Trash Compactor (*FY 11 – FY 15 costs = \$110,662*)

The trash compactor's life expectancy is typically 10 years and by FY 2015, the machine will have been in use for that time. This unit is required for efficient collection and disposal at the County's highest volume site.

Parks and Recreation

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Parks and Recreation Projects

Patriot Park Storage Building/Dog Park (*FY 11 – FY 15 costs = \$138,060*)

This project consists of a 10,000 sq ft storage building at Patriot Park to include offices for staff members, outside hazardous materials storage, storage and maintenance space.

Hunting Run, Phase II (*FY 11 – FY 15 costs = \$530,000*)

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

Belmont Passive Park (*FY 11 – FY 15 costs = \$300,000*)

This project includes installation of a paved parking area including handicapped accessible parking, and pervious concrete walking trails and stormwater facilities at Belmont Park located off Belmont Road. The site plan for this project was completed in 2008.

Livingston Community Center and Park – Phase I (*FY 11 – FY 15 costs = \$80,000*)

Phase I of this project includes construction of a 3,000 sq. ft. community center complete with kitchen, meeting rooms, storage space, restrooms, and adjacent parking. A future Phase II is envisioned to include two baseball diamonds, a multipurpose field, two basketball courts and a one-acre dog park with fencing.

Marshall Center Auditorium, Phases I and II (*FY 11 – FY 15 costs = \$640,000*)

Phase I of this project includes installation of commercial sized heat pump system, ductwork, theatrical lighting and sound systems, and a fireproof curtain. Phase II improvements include a control room for lights and sound, ADA seating, refurbished seating, flooring replacements, and a new rear stairway to the basement to access a changing room. These improvements will allow for musical performance and recitals, in addition to being available for meetings and other public events.

Marshall Park Upgrades (*FY 11 – FY 15 costs = \$800,000*)

Upgrades to this existing park will include relocation of existing field for parking lot expansion and lighting, replacement field with lights, and a new skateboard park with lighting next to the expanded parking area.

Ni River Park (*FY 11 – FY 15 costs = \$300,000*)

Development of a park on County-owned property next to Ni River Middle School will include ballfields, shelters, restrooms, trails and parking facilities. This project is planned as a district style park, as described in the County's Comprehensive Plan.

Patriot Park Field Lighting (*FY 11 – FY 15 costs = \$975,000*)

This project includes the purchase and installation of lights for two football/soccer fields and two regulation baseball diamonds at Patriot Park. Currently, Fall football and soccer are played on the outfield of baseball fields on weeknights due to the lack of daylight. The County presently owns only one lighted football/soccer field.

Legion Field Replacement Lighting (*FY 11 – FY 15 costs = \$330,000*)

Replacement lighting is necessary at Legion Field because the existing lighting is reaching the end of its useful life.

Fire and Rescue

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Fire and Rescue Projects

Construction Projects

Consolidation of Co. 5 Fire/Rescue Stations (*FY 11 – FY 15 costs = \$5,458,343*)

Consolidation of the Company 5 stations in the Chancellor area will result in a facility that is more conducive to cross-training fire and rescue personnel than the existing separate structures. Existing staff and equipment will be used to man this station.

Lee Hill District Fire/Rescue Station (*FY 11 – FY 15 costs = \$5,898,638*)

A new Lee Hill area station is expected to complement the services currently provided by the Company 4 station and improve response times in the Lee Hill area. New staff will be required to man this new facility. Land acquisition is expected in the area of the Crossroads Industrial Park.

Regional Fire Training Center (*FY 11 – FY 15 costs = \$1,250,000*)

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

Equipment

Replacement Fire Equipment (*FY 11 – FY 15 costs = \$4,630,818*)

The scheduled replacement of antiquated Fire/Rescue equipment will ensure that responders can meet the emergency needs of Spotsylvania County. We anticipate the need for funding to replace one engine, three brush trucks, one tanker truck, one ladder truck, two squads and two wagons from FY 2012 through FY 2015. 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 11 – FY 15 costs = \$2,174,001*)

The scheduled replacement of antiquated EMS equipment will ensure that responders can meet the emergency needs of Spotsylvania County. We anticipate the need for funding to replace 12 EMS units from FY 2012 through FY 2015. 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 11 – FY 15 costs = \$122,100*)

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

Ladder Truck for Four-Mile Fork Area (*FY 11 – FY 15 costs = \$950,000*)

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

Transportation

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Transportation

Transportation – Rural Additions (*FY 11 – FY 15 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 II PPTA Projects (*FY 11 – FY 15 costs = \$35,024,568*)

Funding for these projects was approved by the voters in the November 2005 referenda and will address the transportation projects approved by the Board of Supervisors in October 2007 to be implemented during FY 2012 through FY 2015.

Phase II projects funded in this CIP are:

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

Unpaved Roads (*FY 11 – FY 15 costs = \$6,400,000*)

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

Currently unpaved roads ranked “fair” on the Unpaved Road inventory are Belfonte Road, Williams Lane, Spotswood Furnace Road, Woolfolk Road, Twilight Lane/Blaydes Corner, Sullivan Road, Mastin Lane, Parker Lane, Mallard Point Lane, Ryland Payne Road, Wigglesworth Road, and White Shop Lane. (**Note:** The through-unpaved roads of Towles Mill Road, Lanes Corner Road and Grand Brooks Road will be hard-surfaced through a combination of prior year’s funding and future VDOT Secondary Road 6-year plan funds. The unpaved roads ranked “poor” on the Unpaved Road inventory will be funded with bond proceeds issued in Summer 2009.)

General Engineering Consultant (GEC) (*FY 11 – FY 15 costs = \$400,000*)

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

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School Capital Projects

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School Capital Projects

Non-Construction Projects

Transportation (*FY 11 – FY 15 costs = \$12,207,277*)

Purchase of replacement school buses.

Capital Maintenance (*FY 11 – FY 15 costs = \$12,273,729*)

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 11 – FY 15 costs = \$5,238,634*)

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

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Utilities

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Utilities

General Projects

Economic Development Infrastructure Improvements (FY 11 – FY 15 costs = \$850,000)

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 11 – FY 15 costs = \$2,540,000)

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

System Improvement Opportunities with Developers (FY 11 – FY 15 costs = \$550,000)

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.

Replacement Trommel Screen (FY 11 – FY 15 costs = \$350,000)

The existing trommel screen operated as part of the compost process eight hours per day, five days per week. The startup of the new composting facility is expected to increase the processing needs by 50 percent as the FMC sludge will now be composted instead of being placed in the landfill. Also adding to the hours of use of the trommel screen is the production of material for the new odor control facilities and screening chips for the static piles in the gallery at the compost facility.

Security Improvements (FY 11 – FY 15 costs = \$1,050,000)

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 11 – FY 15 costs = \$24,325,000*)

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

Motts Run Dam Repairs (*FY 11 – FY 15 costs = \$1,670,000*)

The drain line that runs under the Motts Dam is in need of repair. The drain line consists of an HDPE liner inside a reinforced concrete conduit. The HDPE liner serves as a pressure vessel to move water between the Rappahannock River and the Motts Reservoir. The HDPE liner will be replaced with a steel pipe that is better suited to serve as a pressure vessel.

Ni River Treatment Plant Improvements (*FY 11 – FY 15 costs = \$1,700,000*)

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

Rt 3/Bragg Rd Pipe Replacement (*FY11 – FY 15 costs = \$300,000*)

This project includes funding for replacement of a 12” water line along Bragg Road and of a 16” water line along Rt 3.

Distribution System Extensions by Policy (*FY 11 – FY 15 costs = \$150,000*)

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.

Four-Mile Fork Water Transmission Improvements (*FY 11 – FY 15 costs = \$400,000*)

The project consists of water main improvements from I-95 to Massaponax Creek and will allow the abandonment of the existing old cast iron line under the I-95 interchange. The work will also include a 1,000 L.F. of 16” water main from the pressure-reducing vault at Southpoint II to the Rt 17 bypass. This project conforms with the 2002 Water/Sewer Master Plan.

Five-Mile Fork Water Transmission Improvements (*FY 11 – FY 15 costs = \$7,838,000*)

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

Thornburg Water Transmission Improvements (FY 11 – FY 15 costs = \$6,946,000)

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

Lee Hill Water Transmission Improvements (FY 11 – FY 15 costs = \$400,000)

This project includes funding for transmission improvement projects in the Lee's Hill area proposed by the 2002 revision to the Water/Sewer Master Plan. These projects include a 12" main from Rt. 608 to Overview Drive, a 16" main from Rt 1 to Lee Hill School Drive, a 12" main on Lee Hill School Drive and Northeast Drive, and a 12" main from Lee Hill School Drive to Lee Hill 1.0 mg tank.

New Post Water Transmission Facilities (FY 11 – FY 15 costs = \$2,286,000)

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

Hunting Run Reservoir (FY 11 – FY 15 costs = \$110,000)

The intake screens at Hunting Run will be replaced with 1 millimeter screens to aid pumping

New Water Source (FY 11 – FY 15 costs = \$200,000)

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

Tank Maintenance (FY 11 – FY 15 costs = \$350,000)

Funding is needed for the painting and rehabilitation of two water storage tanks. Thornburg tank will be repainted in the fall of 2010. A second tank will be rehabilitated and painted also in FY11.

Conversion of Radio Reading System for Water Meters (FY 11 – FY 15 costs = \$250,000)

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

Sewer Projects

Courthouse Village Improvements (*FY 11 – FY 15 costs = \$890,000*)

The County adopted a master plan and a water/sewer plan for development of the Courthouse Village area. These improvements are the sewer replacements and extensions.

Redirect Hazel Run Pump Station (*FY 11 – FY 15 costs = \$580,000*)

The project includes funding to replace pump stations with gravity sewers, as several of the receiving sewers may be undersized.

Deep Run Sewer Improvements (*FY 11 – FY 15 costs = \$500,000*)

Funds are needed to rehabilitate and replace aging infrastructure in two areas that have older sewer lines that will fail if the replacement work is not done.

Massaponax Sewage Treatment Plant (*FY 11 – FY 15 costs = \$19,900,000*)

This project is the expansion and upgrade of an existing wastewater treatment plant from 8.0 MGD to a 9.4 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.

Greengate Sewer Improvements – Motts (*FY 11 – FY 15 costs = \$710,000*)

The sewers in the Greengate subdivision receive the discharge from the wastewater pumping station at the Motts Run water treatment plant. These receiving sewers are too small to convey the wastewater flows and these improvements will address that issue.

American Central Pump Station Improvements (*FY 11 – FY 15 costs = \$3,120,000*)

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

Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner (*FY 11 – FY 15 costs = \$5,959,300*)

This project consists of four phases to replace the existing Massaponax Interceptor. The project includes design, bid, award and construction. This project is part of the 2002 Water/Sewer Master Plan. The project is necessary to ensure adequate sewer capacity for the County as part of the 2002 Water Sewer Master Plan.

Pump Station Odor Control (*FY 11 – FY 15 costs = \$470,000*)

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

SSO Compliance (*FY 11 – FY 15 costs = \$100,000*)

Funding is necessary for telemetry and modeling for the Massaponax Interceptor to provide real time data for a predictive flow model as part of the asset management program.

Wastewater Collection Extensions to Existing Developments (*FY 11 – FY 15 costs = \$537,500*)

This project includes funding for extensions of sanitary sewers into existing developments where no public sewer is available.

Thornburg Wastewater Transmission Improvements (*FY 11 – FY 15 costs = \$5,420,000*)

This project includes funding for wastewater transmission improvement projects to serve the Thornburg area as proposed by the 2002 Revision to the Water/Sewer Master Plan. Projects include a 2,100 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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