

Capital Improvements Plan

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CAPITAL IMPROVEMENTS PLAN

FY 2008 – FY 2012

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. A review of the draft FY 08 – FY 12 CIP was presented to the Board in January 2007. The five-year plan totals \$124,590,820 for General Capital projects, \$145,773,465 for Transportation projects, \$135,957,454 for School Capital projects and \$152,493,700 for Utility Capital projects.

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 their retirement. In March 2005, the Board of Supervisors approved a Debt Referendum Policy to encourage enhanced public participation in the decision making process related to major new construction projects in the County. The policy requires that all new construction projects that exceed available budgeted funds, be subject to voter referendum approval, unless financed through a revenue supported mechanism. The first year of the CIP becomes the Capital Improvement Budget and is reflected under the Capital Projects Fund, School Capital Projects Fund and Utilities Capital Projects Fund in the Approved Budget Summaries section of this document. The remaining years of the CIP provide an estimated cost of the proposed projects and reflect their anticipated funding sources. The CIP is not an absolute; it may need to be revised and changed according to conditions and requirements of the community. At the minimum it should be reviewed annually prior to budget preparation. It represents a coordinated effort at meeting the identified needs and priorities of the community.

Initially, the respective Department Director submits a Project Request Form; an Evaluation Criteria Form; and a Cost Detail Form for each proposed project. Construction requests are reviewed by Capital Projects Management Staff and non-construction projects are reviewed by the Finance Office. Construction projects are then submitted to the Planning Department for their 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 our Fiscal Policy Guidelines. The BOS holds work sessions in January to discuss the draft CIP. A public hearing is held in March and the CIP is typically approved in April. In May, the initial phases of all first year projects are started, including improved cost estimates using professional services, site selection and design, to allow for any necessary adjustments to cost estimates before the next year's CIP process begins in July.

As Spotsylvania County continues to grow, we will continue to face additional capital needs along with increasing operational costs. In an effort to ensure that the County remains in a healthy financial position and improves our credit rating, the Board of Supervisors adopted revised Fiscal Policy Guidelines in December 2006. Those guidelines can be found in the appendix of this document.

This document can serve as a guide for the years to come. However, we must never forget that it is a planning guide and should be treated as such. The program is always subject to change. This plan of action over a multi-year period will cover development, modernization and/or replacement of County facilities.

Programming capital facilities over time will facilitate better use of the County's financial resources and assist in the coordination of public and private development. In addition, the programming process is valuable as a means of coordinating among various County agencies and departments to avoid duplication of effort 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 to present and future citizens of our County.

What are the 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 plan and by scheduling them over a period of time, the CIP will guide 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 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.

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

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

Assumptions

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

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

No new laws will impose significant financial requirements for local expenditures. Federal categorical grants will continue in the various areas to localities. State formulas for funding highways, etc. will continue at present levels.

2. **Others**

Interest rates on bonded indebtedness will be in the 4 to 6 percent range.

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 are the primary criteria used to classify a project as an operating expenditure or a capital expenditure.

1. **Cost**

The dollar limit that separates capital projects from operating projects depends largely on the size of the budget and what is considered the major expenditures. Our criteria consider any project over \$50,000 a capital expenditure.

2. **Frequency**

A capital project should be nonrecurring. The Government Finance Office 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**

Often referred to as “pay as you go” financing, this approach is the most common one utilized. It is a fiscally conservative method of paying for capital improvements out of current taxes, fees, charges or special assessments. The County’s recently adopted Fiscal Policy Guidelines address this approach by transferring an annual percentage of General Fund Revenues (less obligated transfers) to the Capital Projects Fund. The revised guidelines establish a goal of 5% annually (with a minimum level of 3%). In an effort to achieve this goal the County’s FY 08 transfer is 1% 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 07, the County’s Undesignated Fund Balance is anticipated to be \$6.9 million above our 10% guideline. The FY 08 Capital Improvement Plan includes a one-time transfer of \$3 million of this excess 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 are paid from the General Fund. They are issued for specific capital improvements, which have long life expectancy.

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**

State and Federal funds have been reduced. However, there are still some State and Federal Grants-in-Aid Programs.

7. **Other**

Other financing methods used include the joint financing between the County and the Federal and State governments.

CAPITAL IMPROVEMENT PLAN CONCEPTUAL COSTING

Listed below are the parameters used to determine total project costs during each phase, from concept to construction:

1st Year: **Pre-design cost** – 4% of construction and site development
 Land Acquisition – \$320,000 per acre for commercial property
 Land Acquisition – \$30,000 per acre for rural property

**2nd and
3rd
Years:** **Construction** (includes utilities):
 Fire/Rescue Stations – \$200 per square foot
 Courts, Public Safety, Libraries – \$322 per square foot
 One story office – \$188 per square foot

Note: These are 2008 dollar values; construction costs are inflated 5% annually to determine the cost in out years.

Site Development – \$300,000 per acre for site
Design and Construction Administration – 8% of construction and site development
Inspection and Testing – 3% of construction
Data – \$15 per square foot (includes cost of computer and phones)
Furniture and Fixtures * – 6% of construction costs
Equipment – To be determined by project manager
Contingency – 15% of entire project costs

*May need to be adjusted based on the type of building (Fire/Rescue, office space, storage space, etc)

Spotsylvania County
FY 2008 - FY 2012
Capital Improvements Plan Calendar

September 1, 2006	Existing CIP & new project request forms sent to departments for their review and updates
September 26, 2006	Departments submit construction project requests/revisions to Capital Projects Management Department; non-construction project requests/revisions to Finance Department
November 1, 2006	School submits CIP to Capital Projects Management Department
November 6, 2006	Capital Projects Management Department sends CIP information to Finance for all construction projects
November 8, 2006	Finance sends CIP to Zoning for review of proffer funding available
November 21, 2006	Finance sends draft CIP to Financial Advisors for funding evaluation
November 30, 2006	Capital Projects Management Department sends construction project information to the Planning Department for submission to the Planning Commission
December 21, 2006	Finance Committee reviews CIP
January 2, 2007	Planning Commission report on CIP due to Finance
January 23, 2007	Board of Supervisors work session to discuss CIP
March 29, 2007	Tax Rate, Budget and CIP Public Hearings
April 10, 2007	Adopt Tax Rate, Budget and CIP

The following narratives provide a description of each of the FY 2008 through FY 2012 General Capital Projects.

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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

These projects include funding for the construction of the following Campus Master Plan projects: New Circuit Court Building (63,800 sq ft); Judicial Center Renovation (23,000 sq ft); Judicial Center Addition (33,000 sq ft); Public Safety Building (58,000 sq ft); Community Development Building (21,900 sq ft); and Human Services Building (45,800 sq ft). All of the projects, except the Community Development and Human Services building were approved for funding in the November 2005 bond referenda.

Capital Project Design Funding

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.

Capital Projects Management Team (Campus Master Plan)

This project funding is established to fund a team of individuals that will provide centralized management of all Capital Construction projects (General and Transportation). The team will include individuals with expertise in construction management, procurement, and transportation. Funding for this team will be provided from both the General Fund and Transportation Fund.

Other General Government Facilities

Facility Asset Management Program

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.

Animal Shelter Addition

This project includes funding for a space needs assessment, site feasibility study and estimated construction costs for an addition to the current Animal Shelter facility. The current facility has reached its capacity for both the Spay/Neuter clinic and the Animal Shelter. The increased animal population and the recent increase in legal issues associated with animals in Spotsylvania County have had an impact on the available space in the facility. Because we are now holding more animals until Court cases are complete, we have limited space to hold animals for adoption, which has increased our euthanasia rate. Funding for this project will be provided from future bond proceeds, which are dependent upon an approved bond referenda. Budgeted costs do not include land acquisition and presumes addition can be accommodated on existing County-owned property.

Information Technology Non-IS Steering Committee

Replace Public Safety Server

The current RISC 6000 Unix Server has reached the end of its estimated operating life of five years. 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, we face the possibility of a system failure and resulting loss of data. In addition, the minimum time to order and install a replacement is one month. We would be without a Public Safety System during that time. Public safety service response times will be negatively impacted as the E911 and Police and Fire systems could be unavailable (causing a return to pencil and paper) or experience degradation in system response time.

Upgrade AS/400 Computer System

Many offices have software that is maintained on the County's AS/400 computer system. As more demands are placed on software applications, the computer system will start to encounter slower response times. In order to keep the system response time to a minimum, provide for additional applications, add functionality to applications, and to answer customers' requests on a timely basis, the system will need to be upgraded. Every three to five years, IBM performs a major enhancement to its product line. For this reason we are anticipating the need for additional funding to upgrade the AS/400 to include a faster processor, disk, memory and operating software to take advantage of new technologies.

Installation of an Enterprise-wide Fiber Network

Our current fiber infrastructure has been identified as inadequate for the phone system that has been recommended by our Strategic Plan consultants. This project will enhance, upgrade, and deploy fiber to each of the County's main facilities, which will improve communications (data and phone) among offices. The upgraded fiber network will allow larger data transfers to occur. The funding in this project will allow fiber to be run to Parks and Recreation, Economic Development and Tourism offices, and will maintain and continue connecting County facilities to the main infrastructure and the Spotsylvania County Courthouse Complex.

Thornburg Multi-site Radio System

The current public safety radio system provides radio coverage to 95% of the County. The other 5% of non-covered areas need to be addressed to ensure the safety of our citizens, Law Enforcement and Fire/Rescue personnel. The Public Safety personnel and the Communications Task Force have identified the Thornburg area as the next highest priority requiring improved communications. The State recently installed a tower in this area and staff is working with them to study the feasibility of collocating on their tower, which could result in cost savings.

Belmont Tower

Project includes the construction and installation of a 300 ft radio tower and radio repeaters in the west end of the County. Current public safety radio system provides radio coverage up to 95% of the County. The remaining 5% needs to be addressed to ensure the safety of citizens, law enforcement, and fire and rescue personnel. Public Safety personnel and the Communications Task Force have identified the Belmont area as a priority requiring improved communications.

Information Technology IS Steering Committee

Replace Treasurer's Legacy System (tax billing and collections)

The 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 would also maintain the current integration between departments.

Upgrade County Website

Project includes funding to enhance the County's 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.

Personal Property System Upgrade

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

Replace CAMA (Computer Aided Mass Appraisal) and Real Estate Systems

The Assessment Office has a system in place that streamlines and automates the real estate assessment process to allow for mass appraisal of county properties. The Real Estate office is currently utilizing a system that is over a decade old and no longer adequately serves the needs of that office (there are many manual processes being utilized to supplement business needs). Information Services has determined, based on industry trends, that the existing assessment system will have reached its end of life cycle and will be due for replacement in FY 09. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels and additional staff will need to be hired to offset service level degradations. Currently, the Real Estate office and the Assessment office are not integrated and duplicate data entry is necessary to keep both systems current. This funding will allow integration of the two systems, which will allow the Commissioner of Revenue to meet the changing demands of a growing citizenry.

Financial System Upgrade - H.T.E.

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 Finance and Treasurer's Offices.

Land Information System Upgrade (Clerk of Court)

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 Clerk of the Circuit Court's office.

MSAG Eagle Upgrade

Emergency Communications (E911) currently has a system in place that provides map display with our most current County GIS information to assist in routing units to calls and helps dispatch centers become ready and equipped for Phase I and Phase II of the FCC Wireless mandate. As GIS, wireless, and remote sensing data continues to mature, additional functionality will be expected of the Emergency Communications department and they will need more robust tools to meet this challenge. The current product will need to keep pace with these demands or will have to be replaced. Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and will be due for replacement in FY 11. 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 (activity and facility registrations)

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 Parks and Recreation Department.

Jury System Upgrade (selection and summons of jury participants)

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 Clerk of the Circuit Court.

LRIS (Lands Records Information System)

The LRIS system tracks all aspects of land related data for Spotsylvania County. It incorporates Real Estate, Code Compliance (Building, Zoning, and Environmental Engineering), Planning, Business License, Treasurer, Finance, GIS, Assessment and Circuit Court. Users from all departments are able to access, and maintain land related data real-time in one central location, collaborate seamlessly with other departments, businesses and citizens in disparate locations, and utilize analysis tools within the system to summarize, interpret, and present the data available in the system in a professional manner. Information Services has determined, based on industry trends, that the existing system will have reached its end of life cycle and will be due for replacement in FY 13. If the system is not upgraded, there is a possibility the existing system will not be able to maintain adequate service levels.

Solid Waste

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Solid Waste Projects

Construction/Closing of Landfill Cells & Facilities

Construction of Cell 5 at Livingston Landfill

The addition of Cell 5 at the Livingston Landfill will be needed in 2010 for the future disposal of waste. The cell will be 5.4 acres as defined in Phase I of the landfill permit. The expected life expectancy is 6.1 years. Funding for this project includes the estimated cost for engineering, design, Construction Quality Assurance (CQA) fees and construction.

Partial Closure of Cell 3

Partial closure of Cell 3 will be needed in 2009 per the Department of Environmental Quality (DEQ) regulations to allow for the future disposal of waste in subsequent cells. The cell is 3.4 acres as defined in Phase I of the landfill permit. 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.

Partial Closure of Cell 4

Partial closure of Cell 4 at the Livingston Landfill will be needed in 2012 per DEQ regulations to allow for the future disposal of waste in subsequent cells. The cell is 5.1 acres as defined in Phase I of the landfill permit. 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.

Wood Waste Collection/Mulching Operation

The current mulching operation located at the Chancellor Public Use Area needs to be relocated to a larger site to accommodate for 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 5-10 acres, site work, entrance and utilities.

Equipment Replacement

Refuse Disposal Equipment Replacement

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

Refuse Collection Equipment Replacement

Funding for this project will replace seven trucks, the tub grinder, and a trash compactor from FY 08 through FY 13. General Services has determined that because of trade in values, it is more cost effective to replace trucks with no more than seven years of service and mileage of approximately 250,000 miles. The life expectancy of a tub grinder is 10,000 hours and/or 10 years. By FY 12, 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 downtime.

Refuse Disposal – Articulated Dump Truck

The articulated dump truck will be used to improve operating efficiency within the disposal and composting operations. This truck provides larger carrying capacity and offers entry into all types of terrain that is essential for operating within the landfill. It will provide a back up to the 1989 TS14 Pan that is used exclusively in the landfill operation and would be slated for replacement in 2007. Purchase of this truck would preclude the need for replacement of the 1989 TS14 Pan. The TS14 is not capable of operating in inclement weather; however the articulated dump truck will allow continued seven day/week operations.

Hook-lift Truck

The purchase of an additional hook-lift truck is necessary for the servicing of the School Compactors. It is anticipated that the current truck will require replacement in FY 08. Because we currently have only one truck of this type, we would prefer to purchase an additional truck and keep the current truck as a spare to assist with managing the workload. This will provide a truck that can be used when the new truck is scheduled for routine service or experiences mechanical problems. The number of school compactors has more than doubled from the initial eleven schools that we serviced when we began this process in 1998 and it is imperative that we have reliable equipment to manage the workload.

Additional Refuse Collection Truck

There are currently six roll-off trucks used to service our convenience centers. The last addition to the roll-off fleet was the purchase of a hook-lift truck in FY 98 that was added to accommodate the servicing of school compactors. From FY 98 to FY 05 the waste collected at our sites has increased by 67%, excluding schools and we have added no trucks to manage the increased tonnage. We currently use the entire fleet to service the convenience sites, which means there are no extra trucks available when a truck is receiving routine maintenance. If one of our vehicles has mechanical problems, we can be without a full fleet for a number of days, which impacts our ability to manage the increasing workload.

Parks and Recreation

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Parks and Recreation Projects

Construction of Facilities and Parks

Chancellor / Route 3 Park

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

Livingston Community Park

The proposed park is planned on a 24-acre tract on Route 719, which would include ball fields, rectangle fields, a parking area, a sheltered pavilion, trails, and restrooms. This park would provide residents in the southwest portion of the County opportunities that they currently have to travel 15-20 miles to enjoy. It is estimated that the facility would receive approximately 80,000 visitors annually and is in agreement with the County's Comprehensive Plan.

Multi-purpose Courts at Loriella Park

This project consists of an asphalt surface, approximately 990 square foot in size, multi-purpose court with a regulation basketball court and designs painted for kids games and activities.

Maintenance of Existing Facilities and Parks

Tennis Court Resurfacing

The resurfacing of two courts at Cosner Park and one court at the Chancellor Community Center is required in the next four years to maintain the six to ten year recoating and maintenance guidelines recommended by tennis court professionals. This surface will improve play and protect the integrity of the courts to prevent future major reconstruction costs.

Field Lighting

This project includes installation of lights at one baseball field at Courtland High School; lighting of two rectangular fields and two regulation diamonds at Patriot Park.

Field Upgrades

Upgrades are needed at several fields, in order to meet the current standards in the Public Facilities Plan. The development of land as shared recreation and a school facility is consistent with the park facility needs identified in the Public Facilities Element of the Comprehensive Plan. Funding for this project includes upgrades to two softball fields at John J. Wright Middle School (the upgrades include fencing at one of the fields) and two little league baseball fields and one baseball field from practice facilities to game fields at Spotsylvania Middle School.

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Fire and Rescue

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Fire and Rescue Projects

Construction Projects

Replacement of Fire Station #5 and Rescue Station #5

This project will allow the current individual Fire and Rescue stations to be replaced with a joint facility. The current facilities are not adequate to meet the growing demands that the increased call volume is placing on the County Fire and EMS system. This project will be funded with Fire/Rescue bonds that were approved in November 2001.

Lee Hill District Fire/Rescue Station

The general area where this new facility is planned is experiencing considerable growth. The current Fire/EMS stations in the Four-Mile Fork area of the County are among the busiest in the County. The Comprehensive Plan targets the number of calls per station at 1,000 per year. The current call volume for both the Fire and EMS stations in the Four-Mile Fork area is exceeding 2,500. This new station at Lee Hill will allow this response district to be divided and will reduce the calls for service at the FC/RS # 4 station. This new facility will allow the response times to be reduced for the people that live along Mills Drive and for businesses and the occupants of the industrial park located in this area. The previously approved funding for this project was provided in the initial \$10 Million borrowing for the Fire/Rescue bonds approved in November 2001. The balance of funding needed for this facility will need to be addressed through a different source.

Replacement of Fire & Rescue Stations #3 (Partlow)

The current facilities at Partlow are not adequate to accommodate overnight crews. As our combination Fire/Rescue system works toward 24/7 coverage, a new consolidated facility will help to meet the needs for this area of the County. This new facility will most likely be the last facility to go on line with 24/7 coverage, which we anticipate occurring in January 2009. Because of the age of the existing facility, we do not feel that it is feasible to renovate the current facilities.

Shady Grove Fire/Rescue Station

This project is identified in the Comprehensive Plan. The area where this proposed new facility will be built is currently outside the five-mile radius of the other stations. The County has been working to fill the voids addressed in the Comprehensive Plan and this area appears to be the last large area that needs to be addressed at this time.

Site Acquisition – Future Fire/Rescue Facilities in the Post Oak and Massaponax Area

With the continued growth in the County, we feel the need to be more proactive in seeking potential sites for future stations. This request will allow for the acquisition of two sites for future Fire and EMS needs in the County.

Equipment

Replacement Fire Equipment

The scheduled replacement of antiquated Fire/Rescue equipment will ensure that responders can meet the emergency needs of Spotsylvania County. Emergency vehicles respond to a significant number of calls. As these vehicles age they begin to develop mechanical breakdowns which can impair the response to calls and have significant costs. We anticipate the need for funding to replace three engines, three brush trucks, one tanker truck, one aerial truck, one ladder truck, two squads and four wagons from FY 08 through FY 13. A yearly review of equipment will determine the specific apparatus to be replaced during the year. Fire/Rescue is working 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

The scheduled replacement of antiquated EMS equipment will ensure that responders can meet the emergency needs of Spotsylvania County. Emergency vehicles respond to a significant number of calls. As these vehicles age they begin to develop mechanical breakdowns which can impair the response to calls and have significant costs. We anticipate the need for funding to replace 18 EMS units from FY 08 through FY 13. A yearly review of equipment will determine the specific apparatus to be replaced during the year. Fire/Rescue is working 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 Company #3 and Fire Company #9

There are two fire stations that do not have the ability to refill SCBA and SCUBA tanks. These stations are FC #3 and FC #9, both of which are located at or very near to Lake Anna. If air bottles need to be refilled for a fire or drowning, they have to be taken to FC #2 or to the next closest fire station for filling. The procurement of these two 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

The Four-Mile Fork area of the County has a high number 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 ISO rating in that area of the County.

Transportation

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Transportation

Transportation – Rural Additions

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.

General Revenue Sharing

This project provides \$500,000 annually for the local share of state road improvements within the County. Funding for this project is provided from the Transportation Fund.

Transportation PPTA Projects – November 2005 Referenda

Funding for this project will address the transportation projects approved by the voters in the November 2005 referenda. The Board will establish priorities in May 2007, with completion of the Spotsylvania County Infrastructure Interim PPTA agreement.

Unpaved Roads – November 2005 Referenda

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

Traffic Movement and Safety Study

Intersections comprise the locations for traffic congestion and accident locations. Fitzgerald & Halliday have provided the July 2006 Traffic Movement and Safety Study document that outlines improvements to 48 locations of known congestion and high accident incidents. Funding for this project is anticipated from cash proffer receipts and will be used to address design, right of way acquisition, utility relocation, and construction costs. The Transportation Advisory Committee will assist in prioritizing the locations.

General Engineering Consultant (GEC)

In the November 2005 referenda, the voters approved the borrowing of bonds to address transportation needs in the County. Significant work was performed by the GEC in FY 06 and FY 07, to establish cost estimates and design of Route 17 widening. Staffing of the Capital Projects Management Department will reduce the cost of the GEC services for remaining fiscal years. Funding for this project will be provided from bond proceeds approved in the November 2005 referenda, which will be funded through the Transportation Fund.

Capital Projects Management Team (Transportation)

This project funding is established to fund a team of individuals that will provide centralized management of all Capital Construction projects (General and Transportation). The team will include individuals with expertise in construction management, procurement, and transportation. Funding for this team will be provided from both the General Fund and Transportation Fund.

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School Capital Projects

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School Capital Projects

Construction Projects

Parkside Elementary Addition

Addition of eight regular classrooms and a multipurpose art/music room to provide space for an additional 184 students. A portion of the funding for this project was part of the November 2005 bond referenda that was approved by the voters of Spotsylvania County. Completion date: Fall 2007

Elementary School #17

New Elementary School with 38 regular classrooms, five special education rooms and five resource rooms. One to two-story masonry structure encompassing 90,448 sq ft, which includes an 8,500 sq ft multipurpose room. A portion of the funding for this project was included in the 2005 school borrowing and the balance was approved in the November 2006 bond referenda. Location: To be determined Completion: Fall 2008

Massaponax Church Road Construction

Construction of seven tenths of a mile of Massaponax Church Road (from Rt 17 to Elementary School # 17 site). In compliance with Spotsylvania County Board of Supervisor's stipulation for issuance of a special use permit for the Elementary School # 17 project.

Maintenance/Food Service/Records Warehouse Complex

The replacement of the existing Maintenance facility to meet the needs of the School Division. This facility will house the Maintenance shops (materials, supplies, inventory and staff); Food Service consumables, equipment, materials, inventory and large "walk-in" freezer; records (hard copies, ledgers, copies of electronic records, archival information); and textbook storage. The proposed location is behind the Marshall Center on property owned by the School Board. A portion of the funding for this project was approved in the November 2005 bond referenda and the balance was approved in the November 2006 referenda. Completion date: Fall 2008

John J. Wright Renovation

Renovation work to include mechanical, plumbing, access, site communication and sprinkler system. A portion of the funding for this project approved in the November 2005 bond referenda and the balance was approved in the November 2006 referenda. Completion date: Fall 2008

Elementary School #18

One to two story masonry structure with 38 regular classrooms, five special education rooms and five resource rooms, encompassing 90,448 sq ft, which includes an 8,500 sq ft multipurpose room. A portion of the funding for this project was approved in the November 2005 and November 2006 bond referendums. Location: To be determined Completion: Fall 2011

Elementary School #19

One to two story masonry structure with 38 regular classrooms, five special education rooms and five resource rooms, encompassing 90,448 sq ft, which includes an 8,500 sq ft multipurpose room. A portion of the funding for this project was part of the November 2005 bond referenda that was approved by the voters of Spotsylvania County. Location: To be determined Completion: Fall 2012

Ni River Middle School Addition

Addition of four classrooms and ancillary facilities to provide space for 100 additional students. Completion: Fall 2010

Thornburg Middle School Addition

Addition of four classrooms and ancillary facilities to provide space for 100 additional students. Completion: Fall 2010

Acquisition of Future School Sites

Purchase of sites for Elementary Schools #20, # 21, Middle School # 9 and lot # 8. This project was part of the November 2005 bond referenda that was approved by the voters of Spotsylvania County.

Middle School #8

One to two-story masonry structure encompassing 128,000 sq ft including an auxiliary gymnasium and auditorium. A portion of the funding for this project was part of the November 2005 bond referenda that was approved by the voters of Spotsylvania County. Location: To be determined (possibly in the northeastern portion of the County). Completion date: Fall 2014

High School #6

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

Non-Construction Projects

Transportation (Buses)

Purchase of school buses for growth and/or replacements. A portion of the funding for this project was part of the November 2005 bond referenda that was approved by the voters of Spotsylvania County.

Capital Maintenance

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

Funding for this project addresses technology needs including Fiber Optic Building interconnectivity between Schools; Wireless Building interconnectivity between Schools; Backup generators; Media Management Upgrades and replacement equipment; Computers; Uninterrupted Power systems (UPS); Local Area Network (LAN); Wide Area network (WAN); Wireless Laptop carts; Smart board Presentation systems; Classroom projectors; Mobile Video Conferencing carts; and Replacement/Upgrade Routers and IP Telephony technology.

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Utilities

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Utilities

General Projects

Economic Development Infrastructure Improvements

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.

System Improvement Opportunities with Developers

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

Security Improvements

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

This project includes funding for the Project management and construction of Motts Run Water Treatment Plant, and Rappahannock River Raw Water Intake.

Ni River Treatment Plant Improvements

Ni Water Plant improvements will include replacement of the three different proprietary coagulation and flocculation systems with a single system, improvements to the filtration system, modernization of the control system, replacement of the undersized residuals force main and other improvements to assure that the plant can treat and deliver its permitted 6 MGD of production.

Distribution System Extensions by Policy

This project includes funding to allow for water distribution lines that may be extended at citizens' requests.

New Five-Mile Fork Tank

This project consists of a water storage tank to replace the existing ill-sited 100,000-gallon elevated tank. The existing tank is located too close to both of the water plants so it will stay full and the detention time will degrade water quality. In addition, pressure problems that exist in the western portion of the Five-Mile Fork Service Zone will be mitigated if the tank is relocated. This project was identified by the 2002 Revision to the Water/Sewer Master Plan.

Five-Mile Fork Water Transmission Improvements

Project includes water transmission improvement projects in the Five-Mile Fork area proposed by the 2002 Revision to the Water/Sewer Master Plan. These projects include a 16-inch main connecting Rte. 3 to the Rte. 627 Tank, a 16-inch main along Gordon Road from Rte. 674 to the Rte. 627 Tank, a 16-inch main from the Ni WTP to the new 1.0 MG Tank, a 12-inch main on Old Plank Road from Rte. 3 to Rte. 743, and various mains along Rte. 3.

Thornburg Water Transmission Facilities Improvements

Project includes water transmission improvement projects in the Thornburg area proposed by the 2002 Revision to the Water/Sewer Master Plan. Included are an Industrial 1.0 MG tank, a 24-inch main, water pumping station, and a one million gallon tank. This project has previously approved funding of \$1,138,350 and we anticipate the need for additional funding of \$6,740,000 in FY 07 through FY 12.

Thornburg Water Storage Facilities Improvements

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

New Water Source

This project consists of the planning, engineering, permitting, and regulatory compliance efforts required to identify and develop a new source of supply for the County's waterworks. The 2002 Revision to the Water/Sewer Master Plan calls for an ultimate average daily water demand of 22 MGD. Our current aggregate safe yield is between 21 and 22 MGD. An additional source is required in order to increase the factor of safety (ratio of source to demand) to accommodate extreme drought events, changes in the regulatory process that could reduce current safe yields, potential expansion of the primary development boundary, and to ensure that demands generated by build out development can be served. The early years of conceptual development and planning of this project will address the identification, analysis, and selection of alternatives and compliance with the National Environmental Protection Act process. This project will also provide the County's Water Supply Plan that recent legislation and regulations require.

Lee's Hill Water Transmission Facilities Improvements

This project includes funding for water 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-inch main from Rte. 608 to Overview Drive, a 16-inch main from Rte. 1 to Lee Hill School Drive, a 12-inch main on Lee Hill School Drive and Northeast Drive, and a 12-inch main from Lee Hill School Drive to Lee Hill 1.0 MG Tank.

Route 3/Bragg Road Replacement

This project includes funding for 5100' of 12" water line along Bragg Rd. and 1400' of 16" water line along Rt. 3 to replace deteriorated 14" steel line. This project may be divided into a Bragg Rd. and a Rt. 3 project.

Conversion of Radio Reading System for Water Meters

Funding is currently available to retrofit existing meters with radio read technology at a pace of 100 per month or 1,200 per year. However, at this funding level, it will take the Utilities Department 15.4 years to retrofit the remaining 18,500 meters not equipped with automated meter reading (AMR) capability. Staff's ability to install the mere 100 radio reads per month is at times compromised with increased customer service needs attributed to residential and commercial growth in the County. Consequently, monies are included for this project to be outsourced. The Utility Department feels that a more aggressive, outsourced retrofit plan will yield significant improvements in efficiency. Some users purport that once a Utility is fully equipped with this integrated metering and communication solution a Utility can expect efficiency to increase by 70-90%. The funding request as presented anticipates fully retrofitting Group II customers or approximately 8,500 customers with AMR over a period of 3-fiscal years. Group I would then follow.

Sewer Projects

Biosolids Handling Project

Project includes funding to address the development of a Master Plan for the composting operation which will include the following components: 1) expansion in order to manage the increased production of biosolids coming from the Massaponax Waste Water Treatment Facility and the anticipated addition of the FMC Facility to the program, and 2) various operational issues in relation to the added production, management of odors, permit amendment and operating protocol.

City Hazel Run Improvements

Project includes funding for wastewater transmission improvements in the County's Hazel Run watershed needed to accommodate growth, to allow for abandonment of pump stations and to correct capacity deficiencies.

Collection System Extensions by Policy

Project provides an allowance for sewer lines that may be extended at citizens' requests pursuant to the Board of Supervisors extension policy.

American Central Pump Station Improvements

Project includes funding for pump station upgrades per the Master Plan. The immediate work involves the replacement of the existing pump station 22 and gravity sewers to allow for abandonment of the Lake Bottom sewage pumping station.

Massaponax Sewage Treatment Plant

Expansion and upgrade of an existing wastewater treatment plant from 6 MGD to an 8 MGD plant with accommodation for future expansions to 16 MGD. The project will also include facilities for biological nutrient removal and odor control. This project is included in the Water/Sewer Master Plan.

Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner

Project includes funding for the program management approach to executing the Massaponax Interceptor relief sewer projects (Phase 1-5) and the Massaponax sewer extension to Wishner. This approach consists of outsourcing design, bidding, and construction phase services including construction management plus land acquisition, permitting and all other aspects except for actual construction to a program manager.

Pump Station Odor Control and Telemetry

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

FMC STP Expansion and Upgrade

Project includes the design, upgrade, and expansion of the FMC STP from 4 to 5.4 MGD and the addition of Enhanced Nutrient Removal.

Wastewater Collection Extensions to existing Developments

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

Thornburg Wastewater Transmission Improvements

Project includes funding for wastewater transmission improvement projects to serve the Thornburg area as proposed by the 2002 Revision to the Water/Sewer Master Plan. Projects include a 2100 gpm Pump Station at Po/Ni confluence, a 14” force main from the Thornburg Development District to Massaponax Creek Drainage Basin, a 48” Rte. 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.

Redirect Hazel Run Pump Station from Massaponax to FMC

This project includes funding to replace pump stations 4, 10, 15, 16, 17, 18, 44, 57 with gravity sewers, as several of the receiving sewers may be undersized. Construction of the new road between Harrison Road and Spotsylvania Towne Center will require a pipe and casing for a future sewer project. Adding the sewer crossing with the road project will provide future cost savings. This project is to abandon pump stations in favor of gravity sewers and to modernize and consolidate pump stations.

Courthouse Village Wastewater Transmission

The County has adopted a master plan and a water/sewer plan for development of the Courthouse Village area. These improvements are the sewer replacements and extensions. This work was proposed in the April 1999 Revisions to the Water/Sewer Master Plan for the Courthouse area.

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**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012
SUMMARY OF PROJECT ESTIMATES**

	Total	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
General Government Projects:						
General Government and Judicial Facilities	89,554,478	1,746,369	32,637,320	35,438,082	17,170,313	2,562,394
Solid Waste	7,301,601	1,286,339	1,570,002	2,754,412	421,020	1,269,828
Parks and Recreation	7,175,731	600,384	1,451,545	2,772,260	1,886,094	465,448
Fire and Rescue Services	20,559,010	1,354,500	6,291,838	2,903,849	4,684,738	5,324,085
General Government Total	124,590,820	4,987,592	41,950,705	43,868,603	24,162,165	9,621,755
Transportation Total	145,773,465	6,085,404	32,485,305	25,007,992	28,106,998	54,087,766

School Total **	135,957,454	41,807,163	12,708,131	35,698,188	25,802,206	19,941,766
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*** School projects are from the School Board's Revised CIP of February 12, 2007.

	Total	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012
Utility Projects:						
General Utility Projects	1,950,000	450,000	450,000	450,000	300,000	300,000
Water Projects	52,490,000	5,190,000	9,950,000	18,550,000	8,800,000	10,000,000
Sewer Projects	98,053,700	20,181,400	20,458,300	42,403,200	14,760,800	250,000
Utilities Total	152,493,700	25,821,400	30,858,300	61,403,200	23,860,800	10,550,000

Grand Total - All Funds	558,815,439	78,701,559	118,002,441	165,977,993	101,932,169	94,201,287
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**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
General Government and Judicial Facilities - Campus Master Plan										
New Circuit Court Bldg.	1,902,100	B, P	1	22,821,900		12,359,238	10,462,662			-
Judicial Center Renovation	373,750	B	1	3,371,250		1,811,585	1,559,665			-
Judicial Center Addition	782,000	B	1	9,475,000		5,168,181	4,306,819			-
Renovate Current Sheriff's Office	41,860	B	1	0			-			1,425,150
Public Safety Bldg	1,674,400	B	2	19,546,100		10,528,686	9,017,414			-
Community Development Bldg		L	2	7,288,600		500,000	6,788,600			-
Human Services Bldg		L, C, P, DSS	2	14,815,600			500,000	14,315,600		-
Capital Project Design Funding	50,000	C, P	2	586,816	155,256	170,000		220,000	41,560	-
Capital Construction Mgmt Team - CMP		C	2	707,439	128,313	128,520	138,802	149,906	161,898	567,633
Subtotal - Campus Master Plan	4,824,110			78,612,705	283,569	30,666,210	32,773,962	14,685,506	203,458	

Other General Government Facilities										
Facility Asset Management Program	2,696,077	C	2	3,070,000		670,000	730,000	800,000	870,000	950,000
Massaponax Branch Library		FB, C, P	3	0			-	-	-	16,702,515
Chancellor/Salem District Library		FB, C, P	3	0			-	-	-	18,334,134
Animal Shelter Addition		FB, C, P	3	1,501,927		20,000	63,120	1,418,807		-
Subtotal - Other General Govt Facilities	2,696,077			4,571,927	-	690,000	793,120	2,218,807	870,000	

Classification of Need:

- 1 - mandated or required
- 2 - projects that address current space needs (including student growth), maintenance of existing buildings, maintenance of computer software or Public Safety needs
- 3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations

Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B- Apprvd. bonds; T- Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
Information Technology non-IS Steering Committee projects										
Replace Public Safety Server	50,000	L, C	2	75,000		75,000				
Upgrade AS/400 Computer system		C	2	550,000		250,000			300,000	
Installation of an Enterprise-wide Fiber Network	79,200	L, C	3	910,400	422,800	237,600	250,000			
Thornburg multi-site Radio System		L, C		525,000	50,000	250,000	225,000			
Belmont Tower		C	2	1,097,936					1,097,936	
Subtotal - IS Non- ISSC projects	129,200			3,158,336	472,800	812,600	475,000	-	1,397,936	

	Total Budget through FY 2007	Funding Source	ISSC Priority rating	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
Information Technology IS Steering Comm. projects										
Replace Treasurer's Legacy System		L, C	8.25	650,000	650,000					
Upgrade County Website		L, C	11.50	340,000	340,000					
Personal Property System Upgrade		C	10.00	364,000		91,000	91,000	91,000	91,000	91,000
Replace CAMA (Computer Aided Mass Appraisal) & Real Estate	222,490	L, C	13.50	377,510		377,510				
Financial System Upgrade - H.T.E.		L, C	9.00	500,000			500,000			
Land Info System Upgrade - Clerk of Court		L, C	7.00	750,000			750,000			
MSAG Eagle Upgrade		L, C	13.25	55,000			55,000			
Parks and Recreation System Upgrade		C	7.25	115,000				115,000		
Jury System Upgrade		C	7.75	60,000				60,000		
LRIS (Land Records Information System)		C	11.25	0						900,000
Subtotal - IT ISSC Projects	222,490			3,211,510	990,000	468,510	1,396,000	266,000	91,000	
TOTAL GENERAL GOVERNMENT FACILITIES	7,871,877			89,554,478	1,748,369	32,637,320	35,438,082	17,170,313	2,562,394	

Classification of Need:

1 - mandated or required

Funding sources that address current needs (including projects in the maintenance of existing facilities)

3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
SOLID WASTE - Construction/Closing of Landfill Cells & Facilities										
Construction of Cell 5 at Livingston Landfill		C	1	2,334,244		237,313	2,096,931			
Partial Closure Cell 3		C	1	544,084	130,812	413,272				
Partial Closure Cell 4		C	1	909,063				191,442	717,621	
Wood Waste collection/Mulching Operation		C	3	1,077,320	515,600	561,720				
Subtotal - Construction/closing Cells & Facilities	-			4,864,711	646,412	1,212,305	2,096,931	191,442	717,621	

SOLID WASTE - Equipment Replacement										
Refuse Disposal Equip Replacement		C	2	805,550		250,000	555,550			
Refuse Collection Equip Replacement		C	2	1,090,797	99,384	107,697	101,931	229,578	552,207	172,942
Refuse Disposal Equipment Purchase - Articulated Dump Truck		C	2	330,000	330,000					
Hooklift Truck		C	3	76,759	76,759					
Additional Refuse Truck - Collection s		C	3	133,784	133,784					
Subtotal - Solid Waste Equipment Replacement	-			2,436,890	639,927	357,697	657,481	229,578	552,207	
TOTAL SOLID WASTE	0			7,301,601	1,286,339	1,570,002	2,754,412	421,020	1,269,828	

Classification of Need:

- 1 - mandated or required
- 2 - projects that address current space needs (including student growth), maintenance of existing buildings, maintenance of computer software or Public Safety needs
- 3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations

Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B - Apprvd. bonds; T - Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
PARKS AND RECREATION - Construction of Facilities and Parks										
Hunting Run Recreation Facility	46,425	C	3	0		0				-
Chancellor/Rt. 3 Park		C, P	3	4,335,700		86,940	2,362,666	1,886,094		-
Livingston Community Center		C, P	3	0						1,060,275
Livingston Community Park	15,000	C, P	3	1,123,200	120,000	1,003,200				-
Courts at Loniella Park		C	3	120,000	120,000					-
Subtotal - P/R construction of facilities and parks	61,425			5,578,900	240,000	1,090,140	2,362,666	1,886,094	0	

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
PARKS AND RECREATION - Maintenance of existing Facilities and Parks										
Tennis Court Resurfacing		C	2	125,384	125,384					-
Field Lighting		C	3	1,110,042	235,000		409,594		465,448	-
Field Upgrades		C	3	361,405		361,405				-
Subtotal - P/R maintenance of existing facilities and parks	-			1,596,831	360,384	361,405	409,594	0	465,448	
TOTAL PARKS & REC	61,425			7,175,731	600,384	1,451,545	2,772,260	1,886,094	465,448	

Classification of Need:

- 1 - mandated or required
- 2 - projects that address current space needs (including student growth), maintenance of existing buildings, maintenance of computer software or Public Safety needs
- 3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations

Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B- Apprvd. bonds; T- Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
FIRE/RESCUE SERVICES - Construction Projects										
Replacement of FC #5 and RS #5	635,000	F	2	4,640,738		4,640,738				
Lee Hill District Station	490,000	C, P	2	20,000					20,000	5,400,000
Replacement of Partlow Fire & Rescue (Company 3)		C, P	2	6,383,182			460,512	2,961,335	2,961,335	
Shady Grove Fire/Rescue Station	10,000	C, P	3	20,000					20,000	5,400,000
Site Acquisition - Future Fire/Rescue facilities		C, P	3	550,000					550,000	550,000
Subtotal Fire/Rescue construction projects	1,135,000			11,613,920	0	4,640,738	460,512	2,961,335	3,551,335	
FIRE/RESCUE SERVICES - equipment										
Replacement Fire Equipment		C, L	2	5,650,944	945,000	1,221,125	1,041,863	1,167,956	1,275,000	2,276,000
Replacement EMS Equipment		C, P	2	2,262,746	409,500	429,975	451,474	474,047	497,750	522,637
Cascade System FC #3 and FC #9		C, P	2	81,400				81,400		
Ladder Truck for 4-Mile Fork Area		L, C, P	3	950,000			950,000			
Subtotal Fire/Rescue equipment	-			8,945,090	1,354,500	1,651,100	2,443,337	1,723,403	1,772,750	
TOTAL FIRE/RESCUE SVCS	1,135,000			20,559,010	1,354,500	6,291,838	2,903,849	4,684,738	5,324,085	

Classification of Need:

- 1 - mandated or required
- 2 - projects that address current space needs (including student growth), maintenance of existing buildings, maintenance of computer software or Public Safety need:
- 3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations:

Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B- Apprvd. bonds; T- Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
TRANSPORTATION										
Transportation - rural additions		T	2	125,000	25,000	25,000	25,000	25,000	25,000	25,000
General Revenue Sharing		T	2	2,500,000	500,000	500,000	500,000	500,000	500,000	500,000
Transportation PPTA projects - Nov 2005 referenda	11,471,465	TB	3	90,009,250		11,823,250	11,823,250	16,381,375	49,981,375	16,400,000
Unpaved Roads - Nov 2005 referenda	2,000,000	TB	3	16,395,125		4,919,275	3,980,800	4,407,525	3,087,525	-
Traffic Movement and Safety Study		P	3	34,660,000	5,327,500	14,784,500	8,227,000	6,321,000		-
General Engineering Consultant	1,328,535	TB	3	800,000		200,000	200,000	200,000	200,000	200,000
Capital Construction Mgmt Team		T	3	1,284,090	232,904	233,280	251,942	272,098	293,866	300,000
TOTAL TRANSPORTATION	14,800,000			145,773,465	6,085,404	32,485,305	25,007,992	28,106,998	54,087,766	

Classification of Need:

- 1 - mandated or required
- 2 - projects that address current space needs (including student growth), maintenance of existing buildings, maintenance of computer software or Public Safety need;
- 3 - projects that address upgrades to current computer systems, Comprehensive Plan requirements, cost effectiveness and/or efficiency of current operations

Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B - Apprvd. bonds; T - Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
SCHOOL CONSTRUCTION CAPITAL PROJECTS										
Parkside Road Elementary Addition	2,529,507	B	2	502,103	502,103					
Elementary #17	18,615,000	B	2	3,690,000	-	3,690,000				
Massaponax Church Road construction	1,000,000	B	2	3,000,000						
Maintenance/Food Service/Records Warehouse Complex	560,375	B	3	7,528,808	7,528,808					
Renovation of John J. Wright	1,006,240	B, P	2	10,526,240	10,526,240					
Elementary #18	1,162,000	B, FB	2	28,669,067		984,780	19,774,287	7,490,000	420,000	
Elementary #19	2,146,760	B, FB	2	24,195,514			-	11,089,193	13,106,321	415,217
Ni River Addition		B	2	1,633,000			1,633,000			
Thornburg Addition		B	2	1,633,000			1,633,000			
Acquisition of Future School Sites	3,000,000	B	2	350,000	350,000					
Middle School #8	3,410,700	B, FB	2	3,150,000			-		3,150,000	30,112,837
High School #6	2,125,000	B, FB	2	3,000,000	3,000,000					76,113,363
Subtotal - School Construction	35,555,602			87,877,732	24,907,151	4,674,780	23,040,287	18,579,193	16,676,321	
Transportation Buses	2,815,000	L	2	9,537,271	2,872,500	1,415,580	1,902,221	2,012,705	1,334,265	4,249,996
Capital Maintenance	8,208,207	L	1	15,649,880	3,185,500	3,111,440	5,155,760	2,266,000	1,931,180	1,023,760
Technology - WAN Upgrades/Training Labs	3,340,320	L, P	2	22,892,571	10,842,012	3,506,331	5,599,920	2,944,308		
Subtotal - School Non-Construction	14,363,527			48,079,722	16,900,012	8,033,351	12,657,901	7,223,013	3,265,445	
TOTAL SCHOOL CAPITAL PROJECTS	49,919,129			135,957,454	41,807,163	12,708,131	35,698,188	25,802,206	19,941,766	

*** School projects are from the School Board's Revised CIP of February 12, 2007.

Classification of Need:

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Funding Source : C - cash; L - lease bonds; F - fire bonds; P - proffer; B- Apprvd. bonds; T- Trans. Fund; FB- future bonds; CC-Code Compl. revenue; S-Trans State; TB - Trans Bonds; DSS - SS State

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
UTILITIES CAPITAL PROJECTS										
General Utilities Projects										
EC Dev Infrastructure Imp	1,450,000	C,B		500,000	100,000	100,000	100,000	100,000	100,000	-
System Improvement Opportunities with Developers	2,282,136	C,B		500,000	100,000	100,000	100,000	100,000	100,000	-
Security Improvements	1,479,564	C,B		950,000	250,000	250,000	250,000	100,000	100,000	-
SUBTOTAL GENERAL UTILITIES PROJECTS	5,211,700			1,950,000	450,000	450,000	450,000	300,000	300,000	
Water Projects										
Motts Run Water Treatment Plant	7,657,406	C,B		15,000,000	500,000	1,000,000	1,000,000	4,500,000	8,000,000	4,000,000
NI River Treatment Plant Improvements	2,725,220	C,B		11,870,000	1,870,000	6,000,000	4,000,000			-
Distribution System Extensions by Policy	864,878	C,B		200,000	100,000	100,000				-
New Five Mile Fork Tank	2,505,920	C,B		1,750,000			1,750,000			-
Five Mile Fork Water Transmission Improvements	600,000	C,B		5,840,000	840,000	1,000,000	1,000,000	2,000,000	1,000,000	-
Thornburg Water Transmission Facilities Improvements	1,687,000	C,B		5,840,000	840,000	500,000	1,500,000	2,000,000	1,000,000	-
Thornburg Water Storage Facilities Improvements		C,B		3,950,000		450,000	3,500,000			-
New Water Source	500,000	C,B		1,200,000	300,000	300,000	300,000	300,000		-
Lee's Hill Water Transmission Facilities Improvements		C,B		5,290,000	140,000	250,000	4,900,000			-
Rte 3/Bragg Road Replacement		C,B		250,000						-
Conversion to Radio Reading System for Water Meters	700,000			1,300,000	350,000	350,000	600,000			-
SUBTOTAL WATER PROJECTS	16,540,424			52,490,000	5,190,000	9,950,000	18,550,000	8,800,000	10,000,000	

**SPOTSYLVANIA COUNTY
CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012**

	Total Budget through FY 2007	Funding Source	Class. of Need	Total FY 08 - FY 12	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Additional costs beyond FY2012
Sewer Projects										
Biosolids Handling Project	6,621,549	C,B		7,710,000	7,710,000					
City Hazel Run Improvements	942,345			21,000	21,000					
Collection System Extensions by Policy	315,700	C,B		200,000	100,000	100,000				
American Central Pump Station Improvements	795,000	C,B		1,500,000	1,500,000					
Massaponax Sewage Treatment Plant	34,541,242	C,B		500,000				250,000	250,000	
Program Management Pilot for Massaponax Interceptor Relief and Extension to Wishner	29,289,388	C,B		31,063,000	7,089,000	9,565,000	14,409,000			
Pump Station Odor Control and Telemetry	1,019,852	C,B		340,000	170,000	170,000				
FMC STP Expansion & Upgrade	985,426	C,B		43,222,700	2,241,400	10,319,300	18,397,200	12,264,800		
Wastewater Collection Extensions to existing Developments	1,940,092	C,B		250,000	250,000					
Thornburg Wastewater Transmission Improvements	259,796	C,B		12,597,000	450,000	304,000	9,597,000	2,246,000		
Redirect Hazel Run Pump Station from Massaponax to FMC	589,566			150,000	150,000					
Courthouse Village Wastewater Transmission	2,658,906	C,B		500,000	500,000					
SUBTOTAL SEWER PROJECTS	79,958,862			98,053,700	20,181,400	20,458,300	42,403,200	14,760,800	250,000	

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SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012
SUMMARY OF FUNDING ESTIMATES

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2008-2012 Estimated Cost
GENERAL CAPITAL & TRANSPORTATION PROJECTS						
TOTAL PROJECTS	11,072,996	74,436,010	68,876,595	52,269,163	63,709,521	270,364,285
Cash from General Fund	2,072,451	2,733,045	3,460,035	4,258,727	5,134,808	17,659,067
Fire/Rescue General Obligation Bonds	0	4,640,738	0	0	0	4,640,738
Proffers	5,529,443	16,230,534	11,050,178	11,168,429	3,552,864	47,531,448
GO Bonds - November 2005 - General	0	29,867,690	25,346,560	0	0	55,214,250
GO Bonds - November 2005 - Transportation	0	16,942,525	16,004,050	20,988,900	53,268,900	107,204,375
Future Bonds/Leases	0	2,181,235	2,568,120	1,418,807	0	6,168,162
Comm Dev & Human Services lease agreement (privately owned/financed facility)	0	500,000	7,088,600	8,589,360	0	16,177,960
Transfer from Utilities Fund	105,407	120,060	20,705	45,701	98,303	390,176
Transfer from Transportation Fund	757,904	758,280	776,942	797,098	818,866	3,909,090
DSS State Funding - Future Bond	0	0	200,000	5,726,240	0	5,926,240
Other Sources (Interest and Special Tax assessments)	944,000	871,593	886,121	631,976	706,560	4,040,250
General Cap. Proj. Fund Bal. - 6/30/07	1,014,516					
Use of (Addition to) CP Fund Balance/Deficit Adjusted Fund Balance	1,663,791 (649,275)	(409,690) 1,820,469	1,475,283 199,650	(1,356,075) 1,410,189	129,220 1,280,969	1,502,529
Addition of One-time General FB excess above 10% guideline	2,205,590					
Other use of Cap. Proj. Fund Balance	(145,536)	(145,536)	(145,536)			
Estimated Undesignated General Capital Projects Fund Balance FY End	1,410,779	1,674,933	54,114	1,410,189	1,280,969	

Note: Proffer funding includes revenue received to date plus proffers that have been obligated or are expected, but not yet received.

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY 2008 - FY 2012
SUMMARY OF FUNDING ESTIMATES**

	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2008-2012 Estimated Cost
UTILITIES CAPITAL PROJECTS						
TOTAL PROJECTS	25,821,400	30,858,300	61,403,200	23,860,800	10,550,000	152,493,700
Use of Fund Bal./(Transfer to Fund Bal.)	2,970,802	(42,544,440)	54,258,956	6,344,094	3,229,224	24,258,636
Connection Fees	6,021,000	6,021,000	6,021,000	6,021,000	6,021,000	30,105,000
Other Sources	1,829,598	4,981,740	1,123,244	995,706	1,299,776	10,230,064
Revenue Bonds	15,000,000	62,400,000	0	10,500,000	0	87,900,000
Utilities Capital Projects Fund Balance, end of fiscal Year	25,792,371	66,049,098	9,685,930	3,231,413	2,189	
Use of Fund Balance for Operating Expenses	2,287,713	2,104,212	110,423	0	0	4,502,348
Estimated Utilities Capital Project Fund Balance FY end - (net of Util. Oper, use of FB)	23,504,658	63,944,886	9,575,507	3,231,413	2,189	
SCHOOL CAPITAL PROJECTS **						
TOTAL PROJECTS	41,807,163	12,708,131	35,698,188	25,802,206	19,941,766	135,957,454
Use of previous Bond proceeds	0	0	0	0	0	0
Proffer funding		63,355				63,355
Lease Bonds - Short Term	13,714,512	4,921,911	7,502,141	4,957,013	1,334,265	32,429,842
Bonds - Long Term	28,092,651	7,786,220	28,196,047	20,845,193	18,607,501	103,527,612
Estimated School Capital Project Fund Balance FY End	197,780	261,135	261,135	261,135	261,135	

*** School projects are from the School Board's Revised CIP of February 12, 2007.

Note: Proffer funding includes revenue received to date plus proffers that have been obligated or are expected, but not yet received.

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY2008 - FY2012 Estimated Additional Operational Costs**

Projects without substantial increases in operational costs are not included.

FY 2008	FY2009	FY2010	FY2011	FY2012
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General Government and Judicial Facilities - Campus Master Plan

New Circuit Court Bldg & Parking Deck	943,322	2,374,012	2,553,964	2,512,017
Judicial Center Renovations	138,270	435,316	464,745	461,172
Judicial Center Addition	394,463	1,026,546	1,101,678	1,085,506
Public Safety Building	803,605	2,113,587	2,271,352	2,237,940
Community Development Building		155,376	160,037	164,838
Human Services Building			192,816	198,601

Other General Government Facilities

Animal Shelter Addition		1,527	7,535	187,055	217,122
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Information Technology Non-IS Steering Committee Projects

Replace Public Safety Server	12,710	28,793	28,246	27,738
Upgrade AS/400 Computer System	42,366	45,976	44,153	93,297
Install Enterprise-wide Fiber Network	50,264	96,061	97,939	94,506

Information Technology IS Steering Committee Projects

Replace Treasurer's Legacy System	65,000	65,000	65,000	65,000
Upgrade County Website	60,000	101,880	105,030	108,338
Replace CAMA & Real Estate	63,974	129,426	126,673	124,114
Finance System Upgrade - H.T.E.		84,732	141,952	138,306
Land Info Sys. upgrade Clerk of Court		127,097	212,928	207,460
MSAG Eagle Upgrade		9,320	20,115	19,714
Parks & Recreation System Upgrade				15,000
Jury System Upgrade				6,000

Solid Waste - Construction/Closing of Landfill Cells & Facilities

Wood Waste collection/Mulching Oper.		29,644	31,126	32,683	36,032
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Parks and Recreation - Construction of Facilities and Parks

Chancellor Rt 3 Park			110,970	
Livingston Community Park		18,755		

Parks & Recreation- Maintenance of Existing Facilities and Parks

Field Upgrades		14,080	14,784	15,523	16,299
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Fire/Rescue Services Construction Projects

Replacement of FC#5 and RS #5	448,689	539,070	530,953	522,923
Lee Hill District Station				
Replacement FC3 - Partlow		35,149	269,861	635,310
Shady Grove Fire/Rescue Station				

**SPOTSYLVANIA COUNTY CAPITAL IMPROVEMENTS PLAN
FY2008 - FY2012 Estimated Additional Operational Costs**

Projects without substantial increases in operational costs are not included.

FY 2008	FY2009	FY2010	FY2011	FY2012
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Fire/Rescue Services - Equipment

Replacement Fire Equipment		38,350	44,327	42,938	41,549
Cascade System FC #3 & FC #9				4,000	1,545
Ladder Truck for 4-Mile Fork area			160,990	174,709	167,782

Transportation

PPTA Projects - Nov 2005 Referenda		902,413	2,027,870	3,473,108	7,540,745
Unpaved Roads - Nov 2005 Referenda		375,465	772,102	1,171,906	1,469,542
General Engineer consultant (GEC)		15,265	34,303	56,163	70,952

Total General Government \$ - \$ 4,418,161 \$ 10,460,378 \$ 13,656,496 \$ 18,279,347

School Capital Projects

Parkside Road Elementary Addition	652,448	691,454	716,215	740,978	765,740
Elementary # 17	2,588,830	2,718,882	2,805,545	2,892,208	2,978,872
Maintenance/Food service/Records Warehouse	665,432	810,107	794,846	779,585	764,324
Renovation of JJ Wright	1,228,538	1,423,486	1,417,986	1,404,765	1,391,544
Elementary # 18				3,679,290	5,043,976
Elementary # 19			763,253	1,983,937	5,048,040
Ni River Addition			743,404	799,623	821,153
Thornburg Addition			743,404	799,623	821,153
Acquisition of Future School sites	255,690	318,887	310,920	302,953	294,985
High School # 6			228,976	285,570	278,436
Transportation Buses	90,212	104,272	154,953	210,341	207,074
Capital maintenance	243,134	364,708	743,269	1,024,036	1,242,880
Technology	1,714,734	2,760,105	3,508,596	4,149,450	4,071,140
<i>Total School Capital Projects</i>	\$ 7,439,019	\$ 9,191,900	\$ 12,931,366	\$ 19,052,361	\$ 23,729,316

Grand Totals - General and School Projects

Total Operational Costs	3,424,378	3,802,154	6,613,947	9,921,400	12,897,197
Total Debt Service	4,014,641	9,807,908	16,777,797	22,787,457	29,111,466
<i>Grand Total General Gov't & Schools</i>	\$ 7,439,019	\$ 13,610,062	\$ 23,391,744	\$ 32,708,857	\$ 42,008,663

Utility Projects

Debt Service - \$15 Million Borrowed FY08	1,144,879	1,427,852	1,392,178	1,356,504	1,320,830
Debt Service - \$62.4 Million Borrowed FY09		4,762,698	5,939,864	5,791,460	5,643,058
Debt Service - \$10.5 Million Borrowed FY11				801,416	999,496
<i>Total Utilities Debt Service</i>	\$ 1,144,879	\$ 6,190,550	\$ 7,332,042	\$ 7,949,380	\$ 7,963,385