

# CAPITAL PROJECTS OVERVIEW

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## Summary Of Capital Construction Program

The Capital Construction Program of Fairfax County is organized to meet the existing and anticipated future needs of the citizens of the County and to enable the County government to provide necessary services. The Capital Construction Program (other than sanitary sewer construction and resource recovery projects) is primarily financed through transfers from the General Fund and the sale of General Obligation bonds. Supplementing the General Fund and General Obligation bond monies are additional funding sources including Federal and State grants, contributions, and tax revenues from special revenue districts.

The Fairfax County Capital Construction Program includes: School construction of both new and renovated school facilities, park facilities, primary and secondary roadways, libraries, trails/sidewalks, fire stations, government centers with police substations, storm drainage infrastructure, streetlight installations, and the renovation/maintenance of County facilities. In addition, the Capital Construction Program includes the construction of housing units to provide affordable housing opportunities to citizens, neighborhood improvements to older County neighborhoods, and commercial revitalization initiatives for specific commercial centers identified throughout the County.

Funding in the amount of \$488,288,375 is included in FY 2003 for the County's Capital Construction Program. Of this amount, \$214,310,359 is included for debt service and \$273,978,016 is included for capital expenditures. The source of funding for capital expenditures includes: \$7,836,941 in General Fund monies, \$183,023,848 in General Obligation Bonds, \$45,712,000 in sewer system revenues, \$1,333,370 in Federal Aid, \$8,362,776 in State revenues and \$27,709,081 in financing from various other sources. Other sources of financing include transfers from other funds, developer contributions and payments, pro rata share deposits, and miscellaneous revenues.

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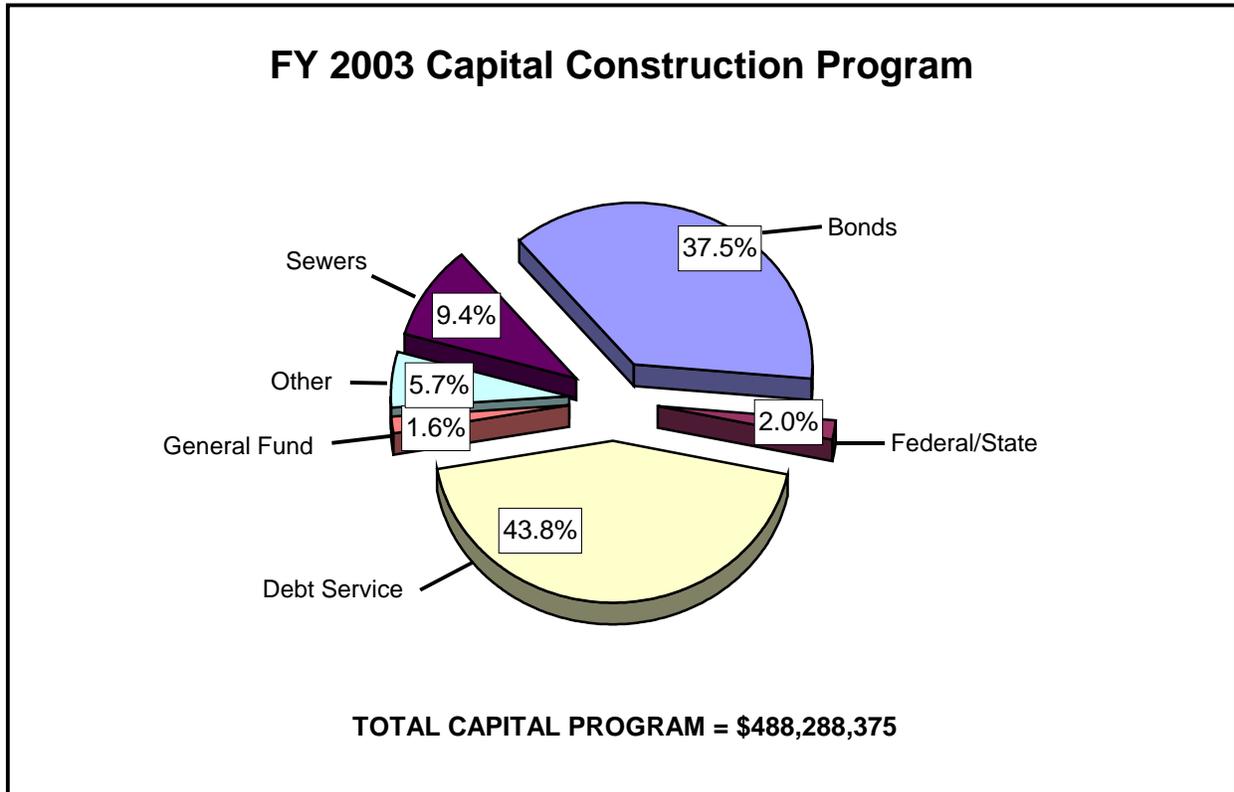
## ***Board of Supervisors' Adjustments***

***The following funding adjustments reflect all changes to the FY 2003 Advertised Budget Plan, as approved by the Board of Supervisors on April 29, 2002:***

- ◆ Fund 303, County Construction – A decrease of \$3,078,600 from \$14,183,317 to \$11,104,717 based on reductions of \$128,600 in Project 001039, General District Court Refurbishment, \$100,000 in Project 003099, Miscellaneous Building and Repair, \$300,000 in Project 005006, FCPS Athletic Fields – Matching Program, \$100,000 in Project 005007, Wakefield Softball Complex, \$250,000 in Project 009133, Carpet Replacement, \$1,000,000 in Project 009400, Land Acquisition Reserve, \$100,000 in Project 009417, Parks General Maintenance, \$100,000 in Project 009442, Parks Ground Maintenance, \$500,000 in Project 009444, Laurel Hill (Lorton) Development, and \$500,000 in Project 009453, West County Recreation Center.
- ◆ Fund 304, Primary and Secondary Road Bond Construction – A decrease of \$500,000 from \$1,000,000 to \$500,000 in Project 064212, TAC Spot Improvements.
- ◆ Fund 310, Storm Drainage Bond Construction – An increase of \$939,363 from \$0 to \$939,363 based on the appropriation of bond funds in Project X00094, Storm Drainage Structural Projects.
- ◆ Fund 313, Trail Construction – A decrease of \$125,000 from \$200,000 to \$75,000 in Project 002200, Upgrade and Emergency Maintenance of Existing Trails.
- ◆ Fund 340, Housing Assistance Program – A decrease of \$250,000 from \$1,850,000 to \$1,600,000 based on reductions of \$190,000 in Project 003923, Undesignated Projects, and \$60,000 in Project 014010, Commercial Revitalization.

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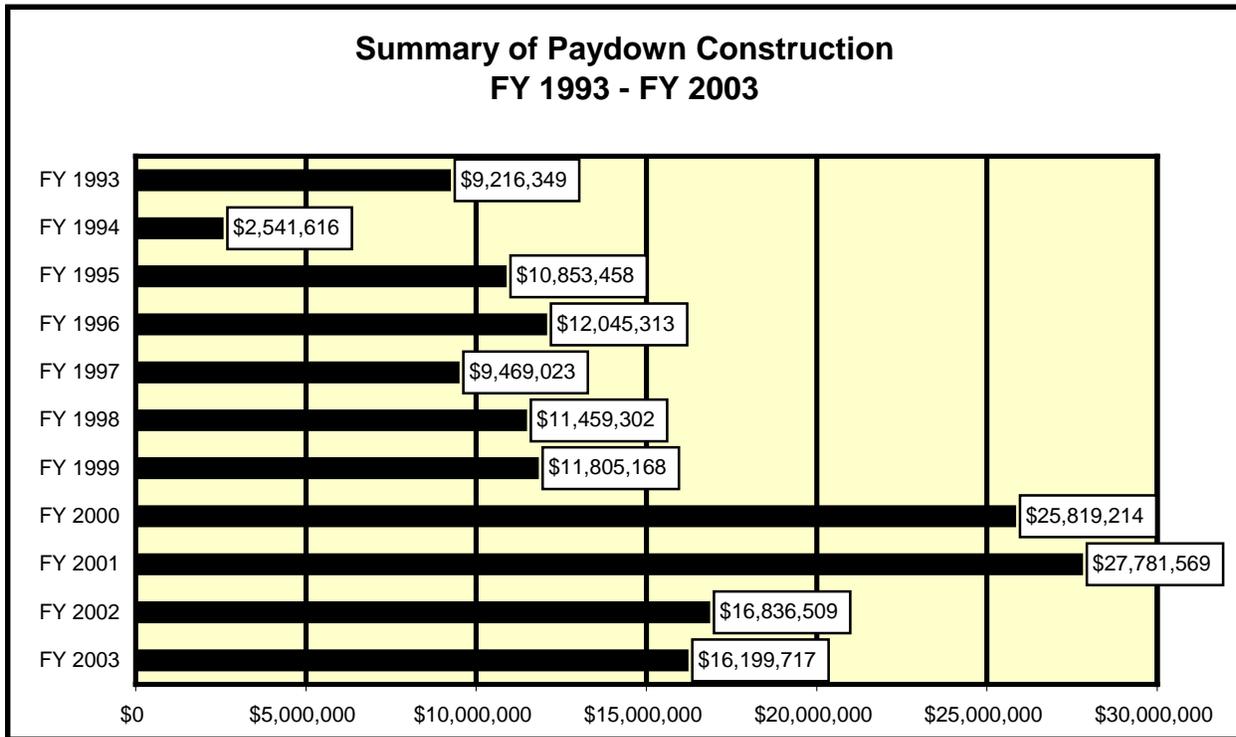
- ◆ Fund 390, Public School Construction – An increase of \$6,400,000 from \$147,076,261 to \$153,476,261 associated with additional funding for school bond sales.



## Capital Paydown Program

In FY 2003, an amount of \$16,199,717 has been included for the Capital Paydown Program. This funding level is supported by the General Fund in the amount of \$7,836,941 (\$4,211,941 in General Fund transfers and \$3,625,000 in other revenue) and State Aid in the amount of \$8,362,776. The paydown construction program had been constrained in the past based on budget limitations. Between FY 1986 and FY 1990, the County paydown construction program averaged approximately \$46.0 million, or 4.6 percent, of the General Fund disbursements. The FY 2003 Adopted Budget Plan paydown program of \$16.2 million represents 0.7 percent of General Fund disbursements.

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This graph depicts the level of paydown funding between FY 1993 and FY 2003. A significant decrease in paydown funding began in FY 1993, with an extremely low program in FY 1994. Beginning in FY 1995, annual paydown funding increased slightly, but only the most pressing requirements were addressed. Since FY 2000, the paydown program has been enhanced by the application of State revenue funds.

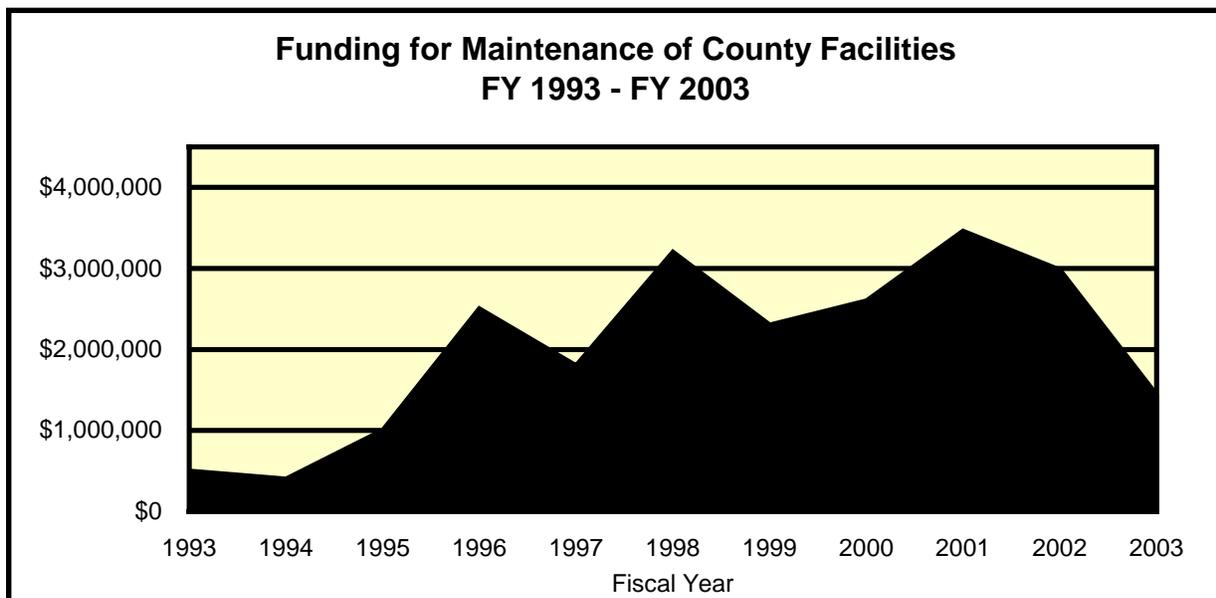
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## County Maintenance Projects

FY 2003 funding in the amount of \$1,436,000 has been included for County maintenance. As with any maintenance program, sufficient attention is required to avoid increased project costs in the future. As long-term maintenance and renovation costs are difficult to project, they are not included in the initial costs of capital projects; however, they are essential to the service life and level of service provided by a facility. Continued funding of maintenance requirements is included in the County's Paydown Program to protect and extend the life of County facilities. County requirements are generated through scheduled preventative maintenance or from user requests for facility alterations. It is currently estimated that the backlog of County maintenance, repair, and replacement requirements exclusive of the FY 2003 funding provided totals approximately \$8.68 million; however, the County is conducting a comprehensive facilities assessment to identify all infrastructure maintenance requirements. Specific funding levels in FY 2003 include:

- ◆ An amount of \$1,400,000 will continue to provide general maintenance funds to address priority projects at County facilities. Funded general maintenance projects include: HVAC/electrical replacement (\$350,000), roof repair and waterproofing (\$200,000), parking lot resurfacing (\$200,000), and fire alarm replacement (\$200,000). In addition, the County maintenance budget includes funding for miscellaneous building repairs or ongoing requirements throughout the fiscal year (\$450,000). These miscellaneous requirements include but are not limited to vandalism removal, plumbing repairs, painting, and other emergency repairs.
- ◆ The annual generator replacement program has been funded in FY 2003 in the amount of \$36,000. This program provides a funding mechanism to replace generators in the fiscal years in which the generator reaches its useful life of 25 years. FY 2003 funding provides for the replacement of the automation transfer switches for emergency generator #1 at the original Adult Detention Center.

The following chart depicts County maintenance funding between FY 1993 and FY 2003, including roof repairs, HVAC replacement, carpet replacement, parking lot resurfacing, fire alarm system replacements, generator replacement, and miscellaneous building repairs.



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## ***Park Maintenance Projects***

FY 2003 funding in the amount of \$1,829,000 has been included for Park maintenance. The Park facilities maintained with General Fund monies include but are not limited to field houses, boat houses, pump houses, maintenance facilities, sheds, shelters, and office buildings. Park priorities are based on the assessment of current repair needs, including safety and health issues, facility protection, facility renewal, and improved services. In addition, Park maintenance requirements are generated through scheduled preventative maintenance or from user requests for facility alterations. Specific funding levels in FY 2003 include:

- ◆ An amount of \$505,000 is included for general park maintenance at non-revenue supported Park facilities. These maintenance requirements include major non-recurring repairs/replacements and improvements to roofs, electrical and lighting systems, security and fire alarms, sprinklers, and HVAC equipment. Of this amount, \$40,000 is included for critical emergency repairs identified throughout the fiscal year, and \$465,000 is dedicated for specific major facility maintenance repairs.
- ◆ An amount of \$700,000 is included to fund prioritized annual requirements for Parks grounds maintenance at non-revenue supported parks. Grounds maintenance includes the upkeep of sidewalks, parking lots, bridges, recreation and irrigation equipment, picnic equipment, tennis courts, and trails at County parks.
- ◆ Funding is also included in the amount of \$470,000 for minor routine preventive maintenance of non-revenue supported Park Authority structures. These repairs include the replacement of broken windows and doors, equipment repairs, and the scheduled inspection of HVAC, security, and fire alarm systems.
- ◆ An amount of \$154,000 to continue the implementation of ADA compliance at Park facilities has been included in FY 2003. Park facilities continue to be modified on a priority basis.

## ***Athletic Field Maintenance Projects***

FY 2003 funding in the amount of \$1,500,000 has been included for athletic field maintenance. In recent years, athletic field maintenance has been identified as a critical need. An effort has been made to provide continuous maintenance to retain quality athletic fields at acceptable standards and improve safety for users. Maintenance of athletic fields includes field lighting, fencing, irrigation, dugout covers, infield dirt, aerification, and seeding. These maintenance efforts will improve safety standards, improve playing conditions, and increase user satisfaction. Specific funding levels in FY 2003 include:

- ◆ An amount of \$100,000 has been included to continue the replacement and upgrading of Fairfax County Public Schools boys' baseball field lighting systems used by many County organizations. FY 2003 funding provides for lighting improvements for varsity baseball fields at prioritized high schools in the County. FY 2003 funding provides for baseball field lighting improvements at West Springfield High School. This effort is being coordinated by the Department of Community and Recreation Services.

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- ◆ Funding in the amount of \$100,000 has been included to continue adding lights on Fairfax County Public Schools athletic fields used for girls' softball. Staff from the Department of Community and Recreation Services continue to work with representatives from Fairfax Athletic Inequities Reform (FAIR) and coordinate with the Fairfax County Public Schools and the Fairfax County Park Authority to identify, prioritize, and develop proposed plans for addressing girls' softball field lighting requirements. FY 2003 funding provides for softball field lighting improvements at Whitman Middle School. This effort is being coordinated by the Department of Community and Recreation Services.
- ◆ Funding in the amount of \$200,000 associated with the Girls' Fast Pitch Softball Action Plan has been included in FY 2003. This Plan establishes a separate annual fund in the amount of \$200,000 a year for five years in an effort to spread the costs for small project maintenance and improvements to various girls' fast pitch softball fields throughout the County as requested by Fairfax Athletic Inequities Reform (FAIR). These fields include both Fairfax County Public Schools and County/Parks fields. FY 2003 represents the fifth and final year of the five-year program. This effort is being coordinated by the Department of Community and Recreation Services.
- ◆ Funding of \$800,000 is included to support general maintenance at designated Fairfax County Public Schools athletic fields. This maintenance effort includes consistent mowing at designated school sites and provides for aerification and over-seeding to improve turf coverage and reduce the chance of injury. This program was established in an effort to maintain consistent standards among all athletic fields, improve playing conditions and safety standards, and increase user satisfaction. This effort is being managed by the Park Authority; however, all field maintenance will be coordinated between the Park Authority and the Department of Community and Recreation Services.
- ◆ Funding of \$300,000 is included for the Field Maintenance Matching Program. This program was established on July 1, 1999 for the Fairfax County Public Schools. These funds will be used to improve school fields currently underutilized or not utilized for community game play. The program will provide funding to improve field conditions (grading, topsoil, seeding/sodding, goalmouth repair, and irrigation) to game quality. Organizations will be required to provide a 50 percent match of funds for requested playing field improvements. Project funds will be restricted to only those improvements that upgrade fields from practice to game designated fields, that develop new game fields, or that are necessary to ensure the safety of players. Amenities such as bleachers, batting cages, perimeter fencing, benches, and dugouts will not be considered for matching funds.

## ***Trails and Sidewalks***

Funding in the amount of \$375,000 is included in FY 2003 for trail and sidewalk repair and maintenance.

- ◆ Funding of \$75,000 is included for safety upgrades and emergency maintenance of existing trails to public standards. Several older trails do not meet current standards which have been designed to alleviate safety problems, including incorrect grades, steep slopes, or obstructions (i.e., power poles or trees that are located too close to the trail). The County is currently responsible for maintaining approximately 500 miles of walkways.
- ◆ Funding of \$300,000 has been included for the Virginia Department of Transportation (VDOT) participation project for sidewalk repair and replacement. VDOT conducts repair and replacement of County maintained sidewalks and is reimbursed by the County, subject to an agreement approved by the Board of Supervisors. County costs are minimized based on the ability to implement multiple VDOT sidewalk construction contracts.

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## ***Storm Drainage***

Funding in the amount of \$2,420,000 is included for the storm drainage maintenance and emergency repairs throughout the County. Specific funding levels in FY 2003 include:

- ◆ Funding of \$95,000 has been included to address emergency drainage problems throughout the County. Engineering studies and construction will alleviate flooding problems of a recurring or emergency nature, which, due to their urgent nature, cannot be identified in advance.
- ◆ Funding of \$150,000 is provided to support the Kingstowne Environmental Monitoring program, which was established by the Board of Supervisors in June 1985 and is intended to continue until completion of the Kingstowne Development. During FY 2002 the program was expanded to include the water quality monitoring requirements required by the U.S. Army Corps of Engineers for the development of the South Van Dorn Street extension.
- ◆ Funding of \$500,000 is included for conducting inspections, monitoring, and repairing dams and emergency spillways. This level of funding provides for required inspections at five County-owned dams, internal monitoring of drainage problems with dam embankments, and initiation of subsurface investigations.
- ◆ Funding in the amount of \$1,600,000 is included for the Virginia Pollutant Discharge Elimination System (VPDES) Municipal Separate Storm Sewer System (MS4) discharge permit. This permit is required as part of the Clean Water Act amendments of 1987. The MS4 discharge permit is considered a renewal of the National Pollutant Discharge Elimination System (NPDES) permit, and will be valid for five years. In accordance with the permit renewal submission approved by the Board of Supervisors on July 23, 2001, activities will include water quality testing, watershed master planning, improvement programs, and development of the GIS-based storm sewer system inventory. The Virginia Department of Environmental Quality (DEQ) is expected to make a decision regarding final permit requirements during FY 2002. Permit renewal is also impacted by other State and Federal mandates, including Total Maximum Daily Loads, the Chesapeake 2000 Agreement, and the Virginia Tributary Strategies.
- ◆ Funding of \$75,000 is included for the Perennial Stream Mapping Program, an effort to develop a base map of all stream channels in Fairfax County. The result of will be a reliable map source depicting the stream network that distinguishes between perennial and intermittent streams, which will then be included in the County's Geographic Information System.

## ***New and Renovated County Facilities***

Funding in the amount of \$2,500,000 is included in FY 2003 for new or renovated facilities throughout the County. Specific funding levels in FY 2003 are as follows:

- ◆ Funding of \$500,000 is included to help offset increased construction costs associated with the West County Recreation Center. This 65,824-square-foot facility will include a 25 meter by 25 yard competitive swimming pool, leisure pool, whirlpool, weight training and fitness areas, multi-purpose rooms, and administrative and support service areas. The current cost estimates have increased by \$3,527,000. An amount of \$2,527,000 has been identified in Park Authority bonds to partially offset this cost increase. FY 2003 funding of \$500,000 has been included; however, future year funding will be required to complete the project.

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- ◆ Funding of \$2,000,000 is included to continue to address property and liability management at the Laurel Hill (Lorton Prison) property, as well as the master planning required for redevelopment and public use. Laurel Hill is intended to be transferred to the County by the Federal Government during FY 2002. The property includes approximately 2,340 acres of land and 1.48 million square feet of building space. FY 2003 funding will begin to address the needs at this site, including the implementation of a security/maintenance contract, grounds and fence maintenance, essential infrastructure maintenance to identified buildings, and demolition of several identified buildings that are no longer serviceable. Additionally, funding will provide for asbestos abatement, utility requirements, master planning, engineering studies related to future building uses and design issues, as well as the coordination of right-of-way issues with the Virginia Department of Transportation.

## ***Roads/Developer Defaults***

FY 2003 funding of \$700,000 is included to support County road programs and developer defaults.

- ◆ Funding in the amount of \$100,000 in General Fund monies is included for construction of outstanding developer default projects identified throughout the fiscal year. In addition, \$300,000 is funded by anticipated developer default revenues. This program is necessitated by economic conditions surrounding the construction industry which result in some developers not completing required public facilities, including acceptance of roads by the State, walkways, and storm drainage improvements. General Fund support of the program is necessary due to the time required between the construction of the improvements and the recovery of the bonds through legal action or when the developer default revenue is not sufficient to fund the entire cost of the project.
- ◆ Funding has been included to support the Road Viewer (\$50,000) and Road Maintenance (\$50,000) projects. The Road Viewer Program provides for the upgrading of County roads for acceptance into the State Secondary System. Once the roads are accepted into the State system, ongoing maintenance costs are provided by the State, and County funds are no longer required. For those roads which are not currently included in the State Secondary System, annual funding is provided for maintenance to ensure the safe operation of vehicles on these travelways.
- ◆ Funding in the amount of \$500,000 is included for high priority Transportation Advisory Commission (TAC) spot improvement projects approved by the Board of Supervisors on January 10, 2000. FY 2003 funding will move previously approved projects from the design phase to the construction phase.

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## ***Payments and Obligations***

FY 2003 funding in the amount of \$3,664,717 has been included for costs related to annual contributions and contractual obligations.

- ◆ Funding of \$1,021,702 is included to provide for the first year of a five-year lease-purchase agreement associated with systems furniture for the South County Center. The lease will provide office furniture for work stations, conference rooms, waiting areas, and offices. On February 11, 2000, the Board of Supervisors entered into a Master Sales and Development Agreement with Madison Development Partners to construct an office building for lease to Fairfax County. This 159,000-square-foot facility will include a senior center, an expanded teen center, an employment center, office space for County staff, community meeting rooms, and an e-government center.
- ◆ Funding of \$1,358,691 provides for final reimbursement to the Fairfax County Public Schools for renovations necessary to construct a School Aged Child Care (SACC) facility at Lemon Road Elementary School. The new Center will replace leased space at Chesterbrook Presbyterian Church and will provide SACC and day care services to children.
- ◆ Funding of \$105,500 provides for the sixth and final payment to purchase the Mt. Gilead property in Centreville.
- ◆ Funding of \$500,000 is included for the County's annual contribution to offset school operating and overhead costs associated with new SACC Centers.
- ◆ Funding of \$678,824 is included for Fairfax County's contribution to the Northern Virginia Community College (NVCC). Funding provides for the continued construction and maintenance of various capital projects on college campuses within the NVCC system. The funding formula for determining the annual contribution level has been revised based on the capital requirements of NVCC over the next six years. The FY 2003 funding level reflects \$0.70 per capita based on 2000 census data. A phased approach has been recommended to increase funding by \$0.10 per capita per year until FY 2006 when the County's contribution equals \$1.00 per capita.

## ***Revitalization Initiatives***

- ◆ Funding of \$1,600,000 is included for revitalization efforts in identified areas throughout the County. This initiative includes Commercial Revitalization projects (\$608,000) to be approved by the Board of Supervisors in the context of the Capital Improvement Program (CIP) and/or other planning discussions of priorities. In addition, funding of \$992,000 has been provided for specific commercial revitalization efforts, including: Baileys Crossroads/Seven Corners, Annandale, Richmond Highway, Lake Anne, Merrifield, Springfield, and McLean, as well as Commercial Revitalization program costs.

## ***Other Paydown Program Projects***

- ◆ Funding of \$175,000 is included for assessment studies associated with two County facilities: the Public Safety Communications Center (PSCC) (\$100,000) and the West Ox Road Complex (\$75,000).

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## FY 2003 PAYDOWN PROJECTS

Project	FY 2003 Adopted
<b>County Maintenance Projects</b>	
(003099) Miscellaneous Building Repair	\$450,000
(003100) Fire Alarm System Replacements	200,000
(009132) Roof Repairs and Waterproofing	200,000
(009136) Parking Lot Resurfacing	200,000
(009151) HVAC/Electrical Systems	350,000
(009431) Emergency Generator Replacement	36,000
<b>Subtotal</b>	<b>\$1,436,000</b>
<b>Park Authority Maintenance Projects</b>	
(009416) ADA Compliance - Park Authority	\$154,000
(009417) Park Authority - General Maintenance	505,000
(009442) Park Authority - Ground Maintenance	700,000
(009443) Park Authority - Facility Maintenance	470,000
<b>Subtotal</b>	<b>\$1,829,000</b>
<b>Athletic Field Maintenance Projects</b>	
(004999) Athletic Field Lighting	\$100,000
(005000) Softball Field Lighting	100,000
(005001) Fast Pitch Softball Field Maintenance	200,000
(005004) FCPS Athletic Field Maintenance Matching Program	300,000
(005006) Parks Maintenance at FCPS Athletic Fields	800,000
<b>Subtotal</b>	<b>\$1,500,000</b>
<b>Trails and Sidewalks</b>	
(002200) Upgrading of Existing Trails	\$75,000
(X00407) VDOT Sidewalk Repair/Replacement	300,000
<b>Subtotal</b>	<b>\$375,000</b>
<b>Storm Drainage</b>	
(A00002) Emergency Watershed Improvements	\$95,000
(L00034) Kingstowne Environmental Monitoring	150,000
(N00096) Dam Repairs	500,000
(Z00021) Perennial Stream Mapping	75,000
(Z00022) Municipal Separate Storm Sewer System	1,600,000
<b>Subtotal</b>	<b>\$2,420,000</b>

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## FY 2003 PAYDOWN PROJECTS

Project	FY 2003 Adopted
<b>New Facilities</b>	
(009444) Laurel Hill Development	2,000,000
(009453) West County Recreation Center	500,000
<b>Subtotal</b>	<b>\$2,500,000</b>
<b>Developer Defaults/Roads</b>	
(U00006) Developer Default	\$100,000
(V00000) Road Viewer Program	50,000
(V00001) Road Maintenance Program	50,000
(064212) TAC Spot Improvements	500,000
<b>Subtotal</b>	<b>\$700,000</b>
<b>Obligations and Payments</b>	
(009450) Falls Church - McLean Children's Center	\$1,358,691
(007012) School-Aged Child Care (SACC)	500,000
(008043) Northern Virginia Community College	678,824
(009420) Mt. Gilead	105,500
(009425) South County Center	1,021,702
<b>Subtotal</b>	<b>\$3,664,717</b>
<b>Revitalization Initiatives</b>	
(003923) Undesignated	\$608,000
(014010) Commercial Revitalization	247,000
(014104) Revitalization Program Costs	745,000
<b>Subtotal</b>	<b>\$1,600,000</b>
<b>Other</b>	
(009454) Feasibility Study PSCC	100,000
(009455) Feasibility Study West Ox Complex	75,000
<b>Subtotal</b>	<b>\$175,000</b>
<b>TOTAL PAYDOWN PROGRAM</b>	<b>\$16,199,717</b>

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## Capital General Obligation Bond Program

The Board of Supervisors annually reviews cash requirements for capital projects financed by General Obligation bonds to determine the ongoing schedule for construction of currently funded projects as well as those capital projects in the early planning stages. The bond capital program is reviewed annually by the Board of Supervisors in association with the Capital Improvement Program (CIP), and revisions are made to cashflow estimates and appropriation levels if necessary. The CIP is designed to balance the need for public facilities as expressed by the Countywide land use plan with the fiscal capability of the County to meet those needs. The CIP serves as a general planning guide for the construction of general purpose, school, and public utility facilities in the County. The County's ability to support the CIP is entirely dependent upon and linked to the operating budget. The size of the bond program in particular is linked to the approved General Fund disbursement level.

The Virginia Constitution requires that long-term debt pledged by the full faith and credit of the County can only be approved by voter referendum. There is no statutory limit on the amount of debt the voters can approve. It is the County's own policy to manage debt within the guidelines identified in the *Ten Principles of Sound Financial Management*. The *Ten Principles* specifically indicate that debt service expenditures as a percentage of General Fund disbursements should remain under 10 percent and that the percentage of debt to estimated market value of assessed property should remain under 3 percent. The County continues to maintain these debt ratios with debt service requirements as a percentage of General Fund disbursements at 8.60 percent, and net debt as a percentage of market value at 1.43 percent as of June 30, 2001. It should be noted that an update to the *Ten Principles* was approved by the Board of Supervisors on April 29, 2002. However, no revisions were made to the 3 and 10 percent limits discussed here. The annual bond sale limit was increased from \$150 million to \$200 million.

Continual monitoring and adjustments to the County's Capital Improvement Program have been necessary, as economic conditions have changed. The FY 2003 - 2007 Capital Improvement Program (With Future Years to 2012) was approved by the Board of Supervisors on April 29, 2002. For FY 2003, the Board of Supervisors authorized an increase in bond sales for School Construction, from \$130 million to \$136.4 million.

In FY 2003, an amount of \$183,023,848 is included in General Obligation bond funding. Of this amount, \$136,400,000 is budgeted in Fund 390, Public School Construction, and \$12,154,147 has been included in Fund 309, Metro Operations and Construction, to support the completion of the 103-mile Metrorail System, as well as maintain and/or acquire facilities, equipment, railcars and buses. In addition, FY 2003 bond funding in the amount of \$34,469,701 has been included for the Northern Virginia Regional Park Authority (\$2,250,000), storm drainage house flooding projects (\$939,363), the West Ox Maintenance Facility expansion (\$2,085,000), construction of the Fairfax Center and Crosspointe fire stations (\$9,305,338), and several projects within the Park Authority bond program (\$19,890,000). Funding for these bond projects is consistent with the FY 2003 - 2007 Capital Improvement Program (With Future Years to 2012) as approved by the Board of Supervisors on April 29, 2002.

## Wastewater Management System

The Fairfax County Wastewater Management Program is managed by the Wastewater Administration Division within the Department of Public Works and Environmental Services, and includes one County-owned wastewater treatment plant with a total treatment capacity of 54 million gallons per day (MGD), approximately 3,100 miles of sewer lines, 60 pumping stations, and 50 metering stations, covering approximately 234 square miles of the County's 399-square-mile land area. In addition to the County-owned treatment plant the system owns, by agreement, purchase capacity in the Alexandria Sanitation Authority Plant, the Upper Occoquan Sewage Authority Plant, the District of Columbia Blue Plains Plant, and the Arlington County Plant, for a total treatment capacity of 133.6 MGD.

An amount of \$45,712,000 is funded in FY 2003 to provide for the County's share of design and construction costs for several pump station renovations, the upgrading of existing sewer meters throughout the County, ASA treatment plant improvements to comply with Virginia Water Control Board

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regulations, recurring repair and replacement of County sewer lines, expansion and upgrade of the Rocky Run Pump Station, and the upgrade and replacement of the SCADA network system to optimize wastewater processes and support ongoing expansion efforts.

## Other Financing

Capital projects supported by other financing include \$1,333,370 in Federal Aid and \$27,709,081 in other sources. Federal Aid represents funding to support the HOME Investment Partnership Grant Program. Capital projects financed by other funding mechanisms include: developer contributions for road improvements throughout the County, developer default revenues, housing trust fund revenues, refuse collection revenues, school Parent Teachers Association contributions and pro rata share storm drainage collections.

## Capital Construction and Operating Expenditure Interaction

To maintain a balanced budget, annual revenues are projected and operating and capital construction expenditures are identified to determine the County's overall requirements and funding availability. Funding levels for capital construction projects are based on the merits of a particular project together with the available funding from all financing sources, with primary reliance on General Obligation bonds. The Board of Supervisors annually reviews cash requirements for capital project financing. The County's capital program has a direct impact on the operating budget, particularly in association with the establishment and opening of new facilities. The Board of Supervisors continues to be cognizant of the effect of the completion of capital projects on the County's operating budget. The FY 2003 operating cost estimates associated with the completion of capital projects have been included in the County's operating budget.

In the FY 2003 / FY 2004 time frame, the expansion and renovation of several facilities will be completed which will directly impact the County's operating budget. The following list represents major new facilities which will open during FY 2003 and FY 2004. Operating expenditures are estimated based on projected opening dates. Additional information regarding the expenditures necessary to support these expanded facilities can be found in specific agency budget narratives.

### New or Renovated County Facilities

Facility	Fiscal Year Completion	Additional Positions	Estimated Net Operating Costs
<b>FY 2003 New/Expanded Facilities</b>			
Sully District Police Station	FY 2003	25/25.0	\$5,942,418
West Springfield District Police Station	FY 2003	0/0.0	\$200,745
Mount Vernon District Police Station	FY 2003	0/0.0	\$142,445
SACC Centers	FY 2003	22/22.54	\$321,864
<b>Total FY 2003 Costs</b>		<b>47/47.54</b>	<b>\$6,607,472</b>
<b>FY 2004 New/Expanded Facilities</b>			
Herndon Harbor House Senior Center	FY 2004	TBD	TBD
Little River Glen Adult Day Care Center (10-month funding salary costs, start-up costs)	FY 2004	9/9.0	\$374,095
Public Safety Parking Structure	FY 2004	TBD	TBD
<b>Total FY 2004 Costs</b>		<b>9/9.0</b>	<b>\$374,095</b>

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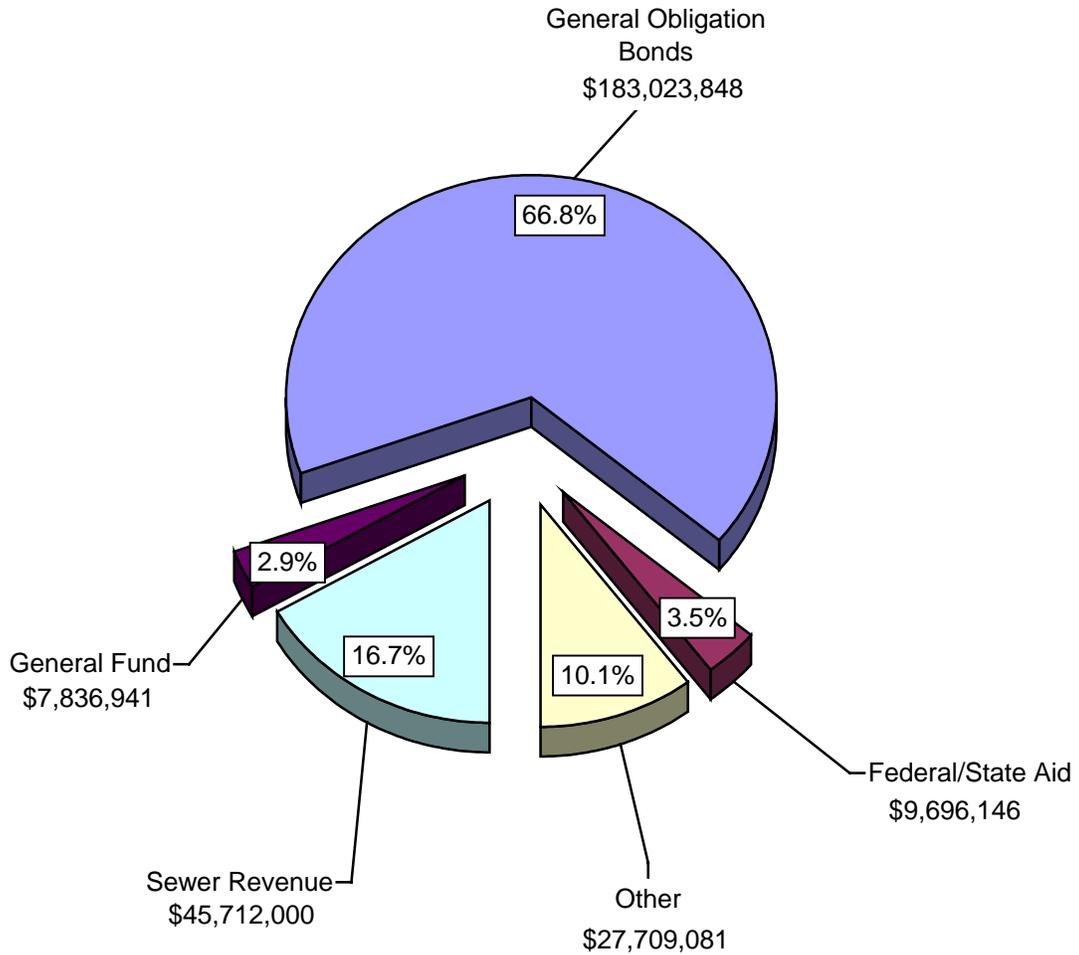
Personnel services, operating costs, and capital equipment costs incurred by a County agency while performing work on a capital project are charged as Recovered Costs to the project where applicable. The majority of capital projects in the County are administered by various agencies within the Department of Public Works and Environmental Services. These agencies include the Project Engineering Division, Office of Capital Facilities, Planning and Design Division, Stormwater Management Division, the Land Acquisition Division, the Office of Waste Management, and the Facilities Management Division. Other County operating agencies which administer capital projects include the Fairfax County Park Authority and the Department of Housing and Community Development.

## **Summary of FY 2003 Capital Construction Program**

Major segments of the County's FY 2003 Capital Construction Program are presented in the charts that follow. Several pie charts have been included to visually demonstrate the FY 2003 funding sources for capital expenditures. Capital construction expenditures by fund are shown in the Summary Schedule of FY 2003 Funded Capital Projects. In addition, details of all projects funded in FY 2003 have been included in this section. For an individual detailed description of each capital construction fund, see the Capital Project Funds section of the Capital Construction and Other Operating Funds Volume. Detailed information concerning capital projects in Fund 390, Public School Construction, can be found in the FY 2003 School Board's Adopted Budget.

# CAPITAL PROJECTS OVERVIEW

## CAPITAL CONSTRUCTION PROJECTS FY 2003 SOURCE OF FUNDS

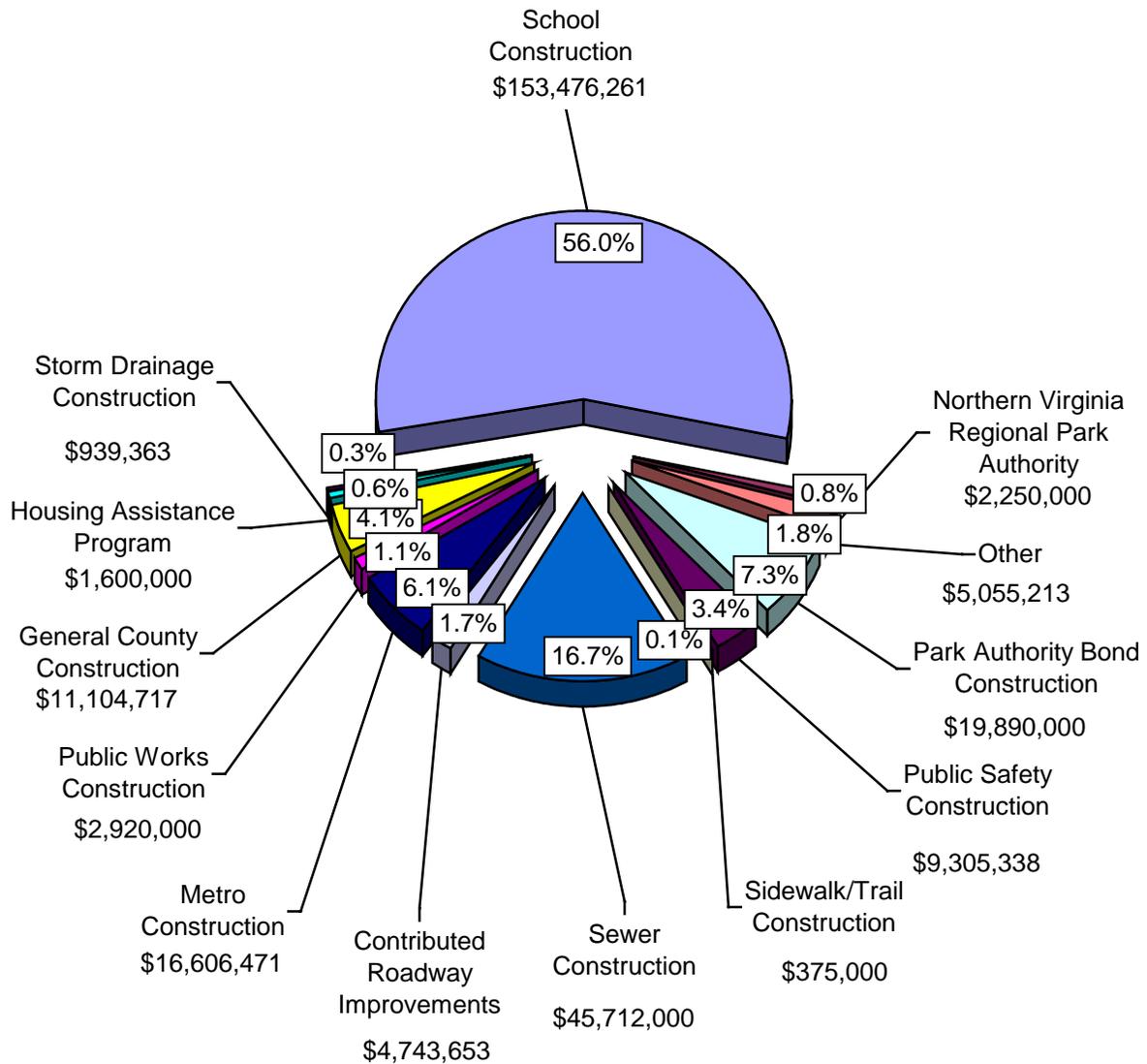


**TOTAL = \$273,978,016**

NOTE: This chart does not include debt service funding.

# CAPITAL PROJECTS OVERVIEW

## CAPITAL CONSTRUCTION PROJECTS FY 2003 EXPENDITURES

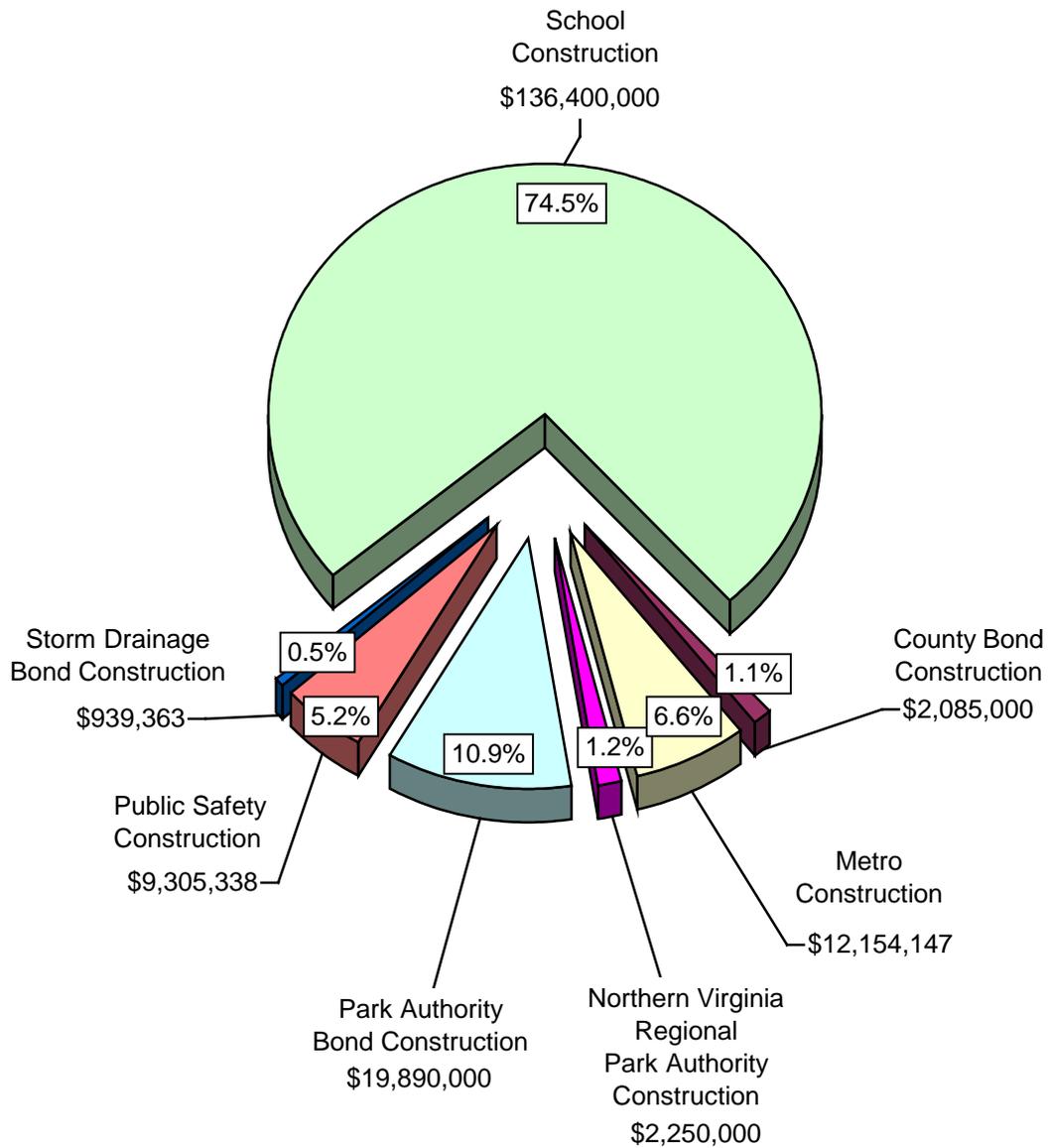


**TOTAL = \$273,978,016**

NOTE: This chart does not include debt service funding.

# CAPITAL PROJECTS OVERVIEW

## GENERAL OBLIGATION BOND FINANCED CAPITAL PROJECTS FY 2003 EXPENDITURES



**TOTAL = \$183,023,848**