

# Fund 308

## Public Works Construction

### Board of Supervisors' Adjustments

*The following funding adjustments reflect all changes to the FY 2007 Advertised Budget Plan, as approved by the Board of Supervisors on May 1, 2006:*

- ◆ **Emergency Road Repair** **\$85,000**

An increase of \$85,000 to support maintenance of County-owned service drives to address emergency and safety items, such as: potholing, drive surface overlay, sidewalk and curb repairs, traffic and pedestrian signing, and hazardous tree removal. Many service drives and stub streets do not meet Virginia Department of Transportation's (VDOT) property service requirements and have not been accepted for VDOT maintenance. When not accepted by VDOT, the County has maintenance jurisdiction over these roadways until VDOT's property service criteria and construction standards are met.
  
- ◆ **Safety Enhancement for Bus Shelters/Stops** **\$2,500,000**

An increase of \$2,500,000 is included to begin to address safety enhancements and improvements for countywide bus shelters and bus stops. A recent condition assessment provided a status report on the 3,941 stops in the County. The study found that the condition of the County's bus stops varied greatly throughout the region. Of the total, 190 stops were categorized as difficult to access and use. Another 465 stops are missing essential elements for accessibility and were located on busy roadways. Only 154 of the bus stops met all federal Americans with Disabilities Act (ADA) requirements. The study also identified an improvement program for the bus stops in most need of repair, resulting in a listing of 344 bus stops requiring improvements in the near-term.

### Focus

This fund supports ongoing improvement projects including: road maintenance, streetlight installations, and the Developer Default Program. The road maintenance and road upgrading projects provide for the upgrading of County roads for acceptance into the State Secondary System and the ongoing maintenance costs for those roads that are not currently included in the State Secondary System. In addition, the County participates with the Virginia Department of Transportation (VDOT) to benefit from the construction of trails and storm sewer infrastructure associated with roadway improvements by sharing the cost of the VDOT project. Both parties execute the agreements in advance of construction, with actual billing normally occurring after VDOT construction is complete.

The Developer Default Program is necessitated by economic conditions associated with the construction industry in which some developers do not complete required public facilities, including acceptance of roads by the state, walkways, and storm drainage improvements. The cost of providing these improvements may be offset by the receipt of developer default revenues from developer escrow and court judgments and/or compromise settlements. Projects that are constructed with anticipated developer default revenues are dependent on recovery of such revenue. 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. It should be noted that there has been an increased level of activity for this program in recent years and current projections suggest this trend will continue. Land Development Services (LDS) anticipates 18 new projects will be identified for resolution in FY 2007. In the past an average of five new projects have been identified each year.

## Fund 308

### Public Works Construction

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Historically this fund has also supported storm drainage and stormwater discharge permit requirements, dam repairs and many types of stormwater control programs. Beginning in FY 2007, all stormwater projects will be consolidated into three funds. Fund 310, Storm Drainage Bond Construction, is supported by General Obligation Bonds approved by the voters in 1988. Fund 316, Pro Rata Share Construction, is supported by the Pro Rata Share Program, adopted in 1992, which requires one-time payments from developers of new developments to pay for a portion of the cost of off-site improvements. Fund 318, Stormwater Management Program, is supported by a dedicated source of funds supported by the approximate value of one penny of the Real Estate tax. This consolidation will allow Stormwater Management to better allocate resources and track funding.

Funding in the amount of \$3,565,000 is included in Fund 308, Public Works Construction, in FY 2007. Of this total, an amount of \$680,000 is supported by the allocation of House Bill 599 state revenues received by the County, \$300,000 is supported through developer default contributions, and \$2,585,000 is supported by a General Fund Transfer. It should be noted that funding has been limited to the most critical priority projects which are listed in the Summary of Capital Projects that follows.

#### **Changes to FY 2006 Adopted Budget Plan**

*The following funding adjustments reflect all approved changes in the FY 2006 Revised Budget Plan since passage of the FY 2006 Adopted Budget Plan. Included are all adjustments made as part of the FY 2005 Carryover Review and all other approved changes through December 31, 2005:*

- ◆ As part of the FY 2005 Carryover Review, the Board of Supervisors approved an increase of \$8,514,083 due to the carryover of unexpended project balances in the amount of \$8,182,858, and adjustments of \$331,225. These adjustments include the appropriation of miscellaneous revenue in the amount of \$381 associated with the sale of plans, and \$330,844 in General Fund monies to support Route 123 Bridge Street Lighting and critical developer default projects.

*The following funding adjustments reflect all approved changes to the FY 2006 Revised Budget Plan from January 1, 2006 through April 24, 2006. Included are all adjustments made as part of the FY 2006 Third Quarter Review:*

- ◆ At the FY 2006 Third Quarter Review, the Board of Supervisors approved an increase of \$22,264 due to the appropriation of revenues received from the Virginia Department of Conservation and Recreation to support a rain garden project at the Providence District Supervisor's office.

A Fund Statement, a Summary of Capital Projects, and Project Detail Tables for each project funded in FY 2007 are provided on the following pages. The Summary of Capital Projects may include some projects without a Total Project Estimate amount. These projects are considered "continuing" projects or projects for which funding is necessary on an ongoing basis (e.g., contingency or planning project). The Project Detail Tables include project location, description, source of funding and completion schedules.

# Fund 308 Public Works Construction

## FUND STATEMENT

### Fund Type G30, Capital Project Funds

### Fund 308, Public Works Construction

	FY 2005 Actual	FY 2006 Adopted Budget Plan	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan
<b>Beginning Balance</b>	<b>\$6,219,127</b>	<b>\$0</b>	<b>\$6,778,841</b>	<b>\$0</b>	<b>\$0</b>
Revenue:					
Developer Payments- Streetlights <sup>1</sup>	\$33,726	\$0	\$75,003	\$0	\$0
Hunter Mill Streetlight Contributions	0	0	95,000	0	0
Developer Defaults	653,310	300,000	1,434,395	300,000	300,000
Miscellaneous <sup>2</sup>	381	0	0	0	0
Federal Aid <sup>3</sup>	30,715	0	0	0	0
Federal Emergency Management Agency	0	0	0	0	0
State Aid <sup>4</sup>	2,965,000	1,985,000	2,106,264	680,000	680,000
<b>Total Revenue</b>	<b>\$3,683,132</b>	<b>\$2,285,000</b>	<b>\$3,710,662</b>	<b>\$980,000</b>	<b>\$980,000</b>
Transfer In:					
General Fund (001)	\$1,711,500	\$0	\$330,844	\$0	\$2,585,000
<b>Total Transfer In</b>	<b>\$1,711,500</b>	<b>\$0</b>	<b>\$330,844</b>	<b>\$0</b>	<b>\$2,585,000</b>
<b>Total Available</b>	<b>\$11,613,759</b>	<b>\$2,285,000</b>	<b>\$10,820,347</b>	<b>\$980,000</b>	<b>\$3,565,000</b>
<b>Total Expenditures</b>	<b>\$4,834,918</b>	<b>\$2,285,000</b>	<b>\$10,820,347</b>	<b>\$980,000</b>	<b>\$3,565,000</b>
<b>Total Disbursements</b>	<b>\$4,834,918</b>	<b>\$2,285,000</b>	<b>\$10,820,347</b>	<b>\$980,000</b>	<b>\$3,565,000</b>
<b>Ending Balance<sup>5</sup></b>	<b>\$6,778,841</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<sup>1</sup> Developer payments for Project Z00002, Developer Streetlight Program.

<sup>2</sup> Miscellaneous receipts include sale of plans.

<sup>3</sup> A total amount of \$90,000 was received from the Environmental Protection Agency Wetlands Grant Program associated with Project Z00020, Stormwater Control Planning. The remaining revenue of \$30,715 was received in FY 2005.

<sup>4</sup> FY 2005 represents House Bill 599 state revenues in the amount of \$2,965,000. FY 2006 represents \$1,985,000 associated with House Bill 599 state revenues, \$100,000 associated with Project V00000, Road Viewers Program and \$21,264 associated with Project Z00025, Stormwater Retrofit at Providence District. FY 2007 represents House Bill 599 state revenues in the amount of \$680,000.

<sup>5</sup> Capital projects are budgeted based on the total project costs. Most projects span multiple years, from design to construction completion. Therefore, funding for capital projects is carried forward each fiscal year, and ending balances fluctuate, reflecting the carryover of these funds.

# Fund 308

## Public Works Construction

### FY 2007 Summary of Capital Projects

#### Fund: 308 Public Works Construction

Project #	Description	Total Project Estimate	FY 2005 Actual Expenditures	FY 2006 Revised Budget	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan
A00002	Emergency Watershed Improvements		\$97,136.43	\$139,229.00	\$0	\$0
DF9999	Difficult Run Watershed Study		0.00	0.00	0	0
L00034	Kingstowne Environmental Monitoring Program		118,292.12	219,421.08	0	0
N00096	Dam Repairs		925,847.89	420,569.42	0	0
U00005	Survey Control Network Monumentation		79,330.09	77,989.69	125,000	125,000
U00006	Developer Defaults		717,009.38	2,580,811.26	750,000	750,000
U00100	VDOT Participation Projects		0.00	968,212.68	0	0
V00000	Road Viewer Program		285,793.58	282,383.34	25,000	25,000
V00001	Road Maintenance Program		54,069.88	73,383.68	25,000	25,000
V00002	Emergency Road Repairs		67,445.07	17,554.93	35,000	120,000
Z00001	Street Lights		(59,933.30)	155,541.00	0	0
Z00002	Developer Street Light Program		0.00	119,018.80	0	0
Z00005	Route 123 Bridge Streetlights		0.00	30,000.00	0	0
Z00015	Hunter Mill District St. Light Fund	95,000	33,725.55	52,390.00	0	0
Z00016	Minor Street Light Upgrades		152.00	27,472.86	20,000	20,000
Z00018	Storm Drainage Projects		397,951.44	1,480,997.72	0	0
Z00020	Stormwater Control Planning		38,007.38	0.00	0	0
Z00021	Perennial Stream Mapping	239,023	(5,631.92)	50.00	0	0
Z00022	Municipal Separate Storm Sewer System		1,877,969.85	3,421,779.58	0	0
Z00023	Occoquan River Dredging	175,000	142,774.64	29,292.95	0	0
Z00024	Digital Flood Insurance Rate Map	50,000	22,962.50	0.00	0	0
Z00025	Stormwater Retrofit at Providence District	166,264	9,422.45	156,841.89	0	0
Z00029	Riparian Buffer Restoration	300,000	29,145.33	270,854.67	0	0
Z00030	Cleanup of Unauthorized Dumpsites	300,000	3,447.47	296,552.53	0	0
Z00032	Safety Enhancement at Bus Shelters/Stops	2,500,000	0.00	0.00	0	2,500,000
<b>Total</b>		<b>\$3,825,288</b>	<b>\$4,834,918</b>	<b>\$10,820,347</b>	<b>\$980,000</b>	<b>\$3,565,000</b>

## Fund 308 Public Works Construction

<b>U00005</b>	<b>Survey Control Network Monumentation</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project supports the maintenance and establishment of geodetic survey control points for the GIS system. Monumentation is placed on the ground for the use of both the private and public sector for surveying and mapping control. More than 1,400 survey monuments have been established in the County; however, it is estimated that more than one-third of these no longer exist as a result of construction activities, erosion and vandalism. This project also supports the development and maintenance of an interactive, GIS-based Web site which will provide convenient and cost-effective monumentation information to the County's land development customers. FY 2007 funding in the amount of \$125,000 is included to continue the maintenance and upgrade of existing GIS control points.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		1,602,345	79,330	0	125,000	125,000	0
Construction		10,789	0	77,990	0	0	0
Other		1,775	0	0	0	0	0
<b>Total</b>	Continuing	\$1,614,909	\$79,330	\$77,990	<b>\$125,000</b>	<b>\$125,000</b>	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$125,000	\$125,000

**Operating Budget Impact:** This ongoing project will have no measurable impact on the operating budget.

## Fund 308 Public Works Construction

<b>U00006</b>	<b>Developer Defaults</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project is necessitated by economic conditions surrounding the construction industry that result in some developers not completing required public facilities, including acceptance of roads by the state, walkways, and storm drainage improvements. The receipt of monies from developer escrow and court judgments and/or compromise settlements may offset these costs. FY 2007 funding in the amount of \$750,000 is included for road improvements as well as construction of developer default projects that will be identified throughout the fiscal year. Of this amount, \$300,000 is projected in developer default revenue, and \$450,000 is supported by House Bill 599 state revenues.</p> <p>It should be noted there has been an increased level of activity for this program in recent years and current projections this trend will continue. Land Development Services (LDS) anticipates 18 new projects will be identified for resolution in FY 2007. In the past an average of 5 new projects have been identified each year.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$345,910	\$22,206	\$0	\$0	\$0	\$0
Design and Engineering		3,434,973	159,144	487,399	750,000	750,000	0
Construction		11,984,900	508,558	1,539,165	0	0	0
Other		539,542	27,102	554,248	0	0	0
<b>Total</b>	Continuing	<b>\$16,305,324</b>	<b>\$717,009</b>	<b>\$2,580,811</b>	<b>\$750,000</b>	<b>\$750,000</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$750,000	\$750,000

<p><b>Operating Budget Impact:</b> Due to the projected growth in the Developer Default program, an additional 2/2.0 SYEs have been included in the FY 2007 operating budget for the Department of Public Works and Environmental Services (DPWES). These positions will help manage the increased number of construction contracts associated with the Developer Default program and increase the DPWES operating budget by an amount of \$124,472.</p>
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## Fund 308 Public Works Construction

<b>V00000</b>	<b>Road Viewer Program</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for the upgrading of roads for acceptance into the State Secondary Road System. Funding provides for survey, engineering and road construction of projects in Road Viewer Program. Once improvements are funded and completed, the need for ongoing County maintenance work on the roadway is eliminated. The Road Viewer Program is enabled under the <u>Code of Virginia</u> and has been adopted by the Board of Supervisors. FY 2007 funding in the amount of \$25,000 is included to continue upgrading roads for acceptance into State Secondary Road System.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$170,060	\$18,429	\$30,968	\$0	\$0	\$0
Design and Engineering		601,433	22,393	139,873	0	0	0
Construction		1,496,163	244,971	37,861	25,000	25,000	0
Other		125,983	0	73,682	0	0	0
<b>Total</b>	Continuing	<b>\$2,393,639</b>	<b>\$285,794</b>	<b>\$282,383</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$25,000	\$25,000

**Operating Budget Impact:** This ongoing project will have no measurable impact on the operating budget.

## Fund 308 Public Works Construction

<b>V00001</b>	<b>Road Maintenance Program</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides funding for maintenance of the roads in Fairfax County not currently included in the Virginia Department of Transportation (VDOT) Secondary Road System. The goal of this program is to ensure the safe operation of motor vehicles through maintenance of these existing County travelways. The state law (Section 33.1-225.3) permits Fairfax County to expend funds on roadway maintenance and minor improvements on roads not within the State Secondary Road System, provided such roads have a right-of-way of 15 feet minimum dedicated to public use. The maximum amount of mileage to be maintained under state law shall not exceed 30 miles per year. Maintenance work includes, but is not limited to, grading snow and ice control, replacement of substandard materials, patching of existing travelways, minor ditching, and stabilization of shoulders, slopes and drainage facilities. FY 2007 funding in the amount of \$25,000 is included for continued road maintenance.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$279,014	\$1,909	\$0	\$0	\$0	\$0
Design and Engineering		974,179	27,147	30,000	0	0	0
Construction		1,766,808	9,167	43,384	25,000	25,000	0
Other		139,474	15,847	0	0	0	0
<b>Total</b>	Continuing	<b>\$3,159,475</b>	<b>\$54,070</b>	<b>\$73,384</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$25,000	\$25,000

**Operating Budget Impact:** This ongoing project will have no measurable impact on the operating budget.



## Fund 308 Public Works Construction

<b>V00002</b>	<b>Emergency Road Repairs</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for emergency and safety road repairs to County-owned service drives and County-owned stub streets which are currently not accepted by the Virginia Department of Transportation (VDOT) into the state highway system for maintenance. Emergency safety repairs supported through this project include pothole repair, drive surface overlays, sidewalk and curb repairs, traffic and pedestrian signage, and hazardous tree removal. FY 2007 funding in the amount of \$120,000 is included for continued road maintenance and safety repairs.</p>	

	Total Project Estimate	Prior Expenditures	FY 2004 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		0	0	0	0	0	0
Construction		0	67,445	17,555	35,000	120,000	0
Other		0	0	0	0	0	0
<b>Total</b>	Continuing	\$0	\$67,445	\$17,555	<b>\$35,000</b>	<b>\$120,000</b>	\$0

Source of Funding				
General Funding	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$85,000	\$0	\$0	\$35,000	\$120,000

<p><b>Operating Budget Impact:</b> This ongoing project will have no measurable impact on the operating budget.</p>
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## Fund 308 Public Works Construction

<b>Z00016</b>	<b>Minor Streetlight Upgrades</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project provides for minor upgrades and repairs to existing streetlights that do not meet current Virginia Department of Transportation (VDOT) illumination standards for roadways. FY 2007 funding in the amount of \$20,000 is included for continued upgrades and repairs to existing streetlights.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		0	0	0	0	0	0
Construction		0	0	0	0	0	0
Other		36,478	152	27,473	20,000	20,000	0
<b>Total</b>	Continuing	<b>\$36,478</b>	<b>\$152</b>	<b>\$27,473</b>	<b>\$20,000</b>	<b>\$20,000</b>	<b>\$0</b>

Source of Funding				
General Funding	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$20,000	\$20,000

**Operating Budget Impact:** This ongoing project will have no measurable impact on the operating budget.

## Fund 308 Public Works Construction

<b>Z00032</b>	<b>Safety Enhancements at Bus Shelters/Stops</b>
Countywide	Countywide
<p><b>Description and Justification:</b> This project supports necessary safety enhancements and improvements for bus shelters and bus stops. A recent condition assessment provided a status report on the 3,941 stops in the County. The study found that the condition of the County's bus stops varied greatly throughout the region. Of the total, 190 stops were categorized as difficult to access and use. Another 465 stops are missing essential elements for accessibility and were located on busy roadways. Only 154 of the bus stops met all federal Americans with Disabilities Act (ADA) requirements. The study also identified an improvement program for the bus stops in most need of repair, resulting in a listing of 344 bus stops requiring improvements in the near-term. FY 2007 funding of \$2,500,000 will begin to address needed improvements.</p>	

	Total Project Estimate	Prior Expenditures	FY 2004 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	FY 2007 Adopted Budget Plan	Future Years
Land Acquisition	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering	0	0	0	0	0	0	0
Construction	2,500,000	0	0	0	0	2,500,000	0
Other	0	0	0	0	0	0	0
<b>Total</b>	<b>\$2,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>	<b>\$0</b>
<b>Source of Funding</b>							
General Funding	General Obligation Bonds	Transfers from Other Funds		Other		Total Funding	
\$2,500,000	\$0	\$0		\$0		\$2,500,000	
<p><b>Operating Budget Impact:</b> This ongoing project will have no measurable impact on the operating budget.</p>							