

# FUND 308 PUBLIC WORKS CONSTRUCTION

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

***The following funding adjustments reflect all changes to the FY 2002 Advertised Budget Plan, as approved by the Board of Supervisors on April 30, 2001:***

- A net decrease of \$2,000,000 as part of the \$15.8 million Reductions to County Agencies and Funds approved by the Board of Supervisors. This reduction reflects a decrease of \$1,000,000 in Project Z00001, Streetlights and a decrease of \$1,000,000 in Project Z00018, Countywide Storm Drainage Projects.

***The following funding adjustments reflect all approved changes to the FY 2001 Revised Budget Plan from January 1, 2001 through April 23, 2001. Included are all adjustments made as part of the FY 2001 Third Quarter Review:***

- The Board of Supervisors made no adjustments to this fund.
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## ***County Executive Proposed FY 2002 Advertised Budget Plan***

### **Purpose**

This fund supports ongoing improvement projects for storm drainage, road maintenance, streetlight installations, and the Developer Default Program. Storm drainage projects include corrections to emergency drainage problems, water quality improvements, and environmental monitoring. 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 in the cost of the VDOT project. Both parties execute the agreements in advance of construction and actual billing normally occurs after VDOT construction is complete.

The Citizen Petition Street Light Program provides residential lighting at locations justified and desired by residents. Approved locations are determined in consultation with the Fairfax County Police Department, based on nighttime crime rates and traffic safety. Street light petitions must meet pre-approved criteria and are presented annually to the Board of Supervisors for approval.

The Developer Default 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. The costs of providing these improvements may be offset by the receipt of developer default revenues from developer escrow and court judgements 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 is currently no significant unfunded backlog of developer default projects at this time.

# FUND 308

## PUBLIC WORKS CONSTRUCTION

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### **FY 2002 Initiatives**

Funding in the amount of \$3,966,000 is included in Fund 308, Public Works Construction, in FY 2002. FY 2002 funding includes \$300,000 supported by Developer Default revenues, \$3,085,224 supported by State revenues and \$580,776 supported by the General Fund. A list of projects is included in the Summary of Capital Projects.

### **Funding Adjustments**

*The following funding adjustments reflect all approved changes to the FY 2001 Revised Budget Plan since passage of the FY 2001 Adopted Budget Plan. Included are all adjustments made as part of the FY 2000 Carryover Review and all other approved changes through December 31, 2000:*

- ◆ At the FY 2000 Carryover Review, the Board of Supervisors approved an increase of \$10,351,444 due to the carryover of unexpended project balances.

A Fund Statement, a Summary of Capital Projects, and Project Detail Tables for each project funded in FY 2002 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 2000 Actual	FY 2001 Adopted Budget Plan	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan
<b>Beginning Balance</b>	<b>\$6,184,742</b>	<b>\$0</b>	<b>\$9,610,583</b>	<b>\$0</b>	<b>\$0</b>
Revenue:					
Streetlights <sup>1</sup>	\$949	\$0	\$26,104	\$0	\$0
Hunter Mill Streetlight Contributions	0	0	95,000	0	0
Developer Defaults <sup>2</sup>	372,177	300,000	712,467	300,000	300,000
Miscellaneous <sup>3</sup>	623	0	0	0	0
State Aid	1,857,000	2,562,776	2,562,776	3,085,224	1,085,224
<b>Total Revenue</b>	<b>\$2,230,749</b>	<b>\$2,862,776</b>	<b>\$3,396,347</b>	<b>\$3,385,224</b>	<b>\$1,385,224</b>
Transfer In:					
General Fund (001)	\$2,963,000	\$903,724	\$903,724	\$580,776	\$580,776
<b>Total Transfer In</b>	<b>\$2,963,000</b>	<b>\$903,724</b>	<b>\$903,724</b>	<b>\$580,776</b>	<b>\$580,776</b>
<b>Total Available</b>	<b>\$11,378,491</b>	<b>\$3,766,500</b>	<b>\$13,910,654</b>	<b>\$3,966,000</b>	<b>\$1,966,000</b>
<b>Total Expenditures<sup>4</sup></b>	<b>\$1,767,908</b>	<b>\$3,766,500</b>	<b>\$13,910,654</b>	<b>\$3,966,000</b>	<b>\$1,966,000</b>
<b>Total Disbursements</b>	<b>\$1,767,908</b>	<b>\$3,766,500</b>	<b>\$13,910,654</b>	<b>\$3,966,000</b>	<b>\$1,966,000</b>
<b>Ending Balance</b>	<b>\$9,610,583</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> Includes developer default revenues.

<sup>3</sup> Miscellaneous receipts include sale of plans and anticipated VDOT contributions for the Board of Road Viewer Program.

<sup>4</sup> In order to account for expenditures in the proper fiscal year, an audit adjustment in the amount of \$207,290 has been reflected as an increase to FY 2000 expenditures. The project effected by this adjustment is Project U00006, Developer Defaults. The audit adjustment has been included in the FY 2000 Comprehensive Annual Financial Report (CAFR). Details of the FY 2000 audit adjustments were included in the FY 2001 Third Quarter Review.

# FUND 308 PUBLIC WORKS CONSTRUCTION

## FY 2002 Summary of Capital Projects

### Fund: 308 Public Works Construction

Project #	Description	Total Project Estimate	FY 2000 Actual Expenditures	FY 2001 Revised Budget	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan
A00002	Emergency Watershed Imp		\$122,363.60	\$271,443.55	\$95,000	\$95,000
B00012	Geotechnical Studies		599.90	22,963.67	0	0
I00160	Storm Water Monitoring		0.00	62,237.90	0	0
I00199	Clemans Court	78,467	0.00	2,527.00	0	0
I00218	Virginia Hills Phase III	217,032	0.00	7,724.28	0	0
I00219	Parklawn Recreation Association	15,000	0.00	15,000.00	0	0
L00034	Kingstowne Monitoring Program		31,051.26	379,000.08	0	0
M00075	Langhorne Acres	296,509	30,489.14	215,525.52	0	0
M00086	Woodland Way	76,000	713.00	0.00	0	0
N00095	Dam Improvements And Inspections		9,292.57	83,542.99	0	0
N00096	Dam Repairs		64,571.99	2,439,142.66	759,500	759,500
N00098	Dam Site #8	120,312	0.00	429.57	0	0
U00005	Secondary Monumentation		0.00	0.00	61,500	61,500
U00006	Developer Defaults		637,448.50	1,876,994.13	400,000	400,000
U00054	Securing/Demo Unsafe Structures		0.00	22,988.00	0	0
U00100	VDOT Participation Projects		0.00	1,149,826.17	50,000	50,000
U00200	Repair Of Collector Lines	109,000	0.00	35,198.96	0	0
V00000	Road Viewer Projects		3,599.15	310,112.52	50,000	50,000
V00001	Road Maintenance Program		98,052.70	257,529.14	50,000	50,000
Z00001	Street Lights		(49,161.82)	2,415,476.80	1,000,000	0
Z00002	Developer Street Light Program		1,139.80	30,826.61	0	0
Z00007	Fund 308 Contingency		0.00	3,519.00	0	0
Z00008	NPDES Program		109,729.39	135,265.08	0	0
Z00013	Graffiti Abatement		1,744.40	103,566.70	0	0
Z00015	Hunter Mill District St Light Fund	95,000	0.00	95,000.00	0	0
Z00016	Minor Street Light Upgrades		456.00	24,174.00	0	0
Z00017	Stormwater Utility Program	685,000	32,097.57	350,566.73	0	0
Z00018	Storm Drainage Projects		480,352.05	2,738,003.04	1,000,000	0
Z00019	Countywide Stream Protection Study		193,369.07	362,069.43	0	0
Z00020	Stormwater Control Planning		0.00	500,000.00	500,000	500,000
<b>Total</b>		<b>\$1,692,320</b>	<b>\$1,767,908.27</b>	<b>\$13,910,653.53</b>	<b>\$3,966,000</b>	<b>\$1,966,000</b>

# FUND 308 PUBLIC WORKS CONSTRUCTION

<b>A00002</b>	<b>Emergency Watershed Improvements</b>
Countywide	Countywide
<p>These funds are used Countywide for the correction of emergency drainage problems. The projects (both engineering studies and construction) will alleviate flooding problems of a recurring or emergency nature, and due to their emergency nature cannot be identified in advance. FY 2002 funding in the amount of \$95,000 is included to alleviate small-scale emergency problems during the fiscal year.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$89,561	\$16,222	\$5,000	\$0	\$0	\$0
Design and Engineering		1,182,176	106,141	19,573	0	0	0
Construction		1,499,613	0	194,247	95,000	95,000	0
Other		56,806	0	52,624	0	0	0
<b>Total</b>	Continuing	<b>\$2,828,157</b>	<b>\$122,364</b>	<b>\$271,444</b>	<b>\$95,000</b>	<b>\$95,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$95,000	\$0	\$0	\$0	\$95,000

## FUND 308 PUBLIC WORKS CONSTRUCTION

<b>N00096</b>	<b>Dam Repairs</b>
Countywide	Countywide
<p>This project funds improvements necessary to meet State permit requirements, establishes a monitoring program to assess dam integrity, and implements dam repairs. The Virginia Department of Conservation and Recreation has classified the six dams maintained by the County as a Class I hazard potential. Class I dams are noted in the <u>Virginia Dam Safety Regulations</u> as "those located where failure will cause probable loss of life or serious damage to occupied buildings, industrial or commercial facilities, important public utilities, main highways or roads." In order to obtain the required permit certification for Class I dams, the County must perform inspections of all dams and begin to address safety improvements. This project also funds repair of failed detention pond enhancements which fall beyond the scope of maintenance. FY 2002 funding in the amount of \$759,500 is included for conducting inspections, monitoring, and repairing dams and emergency spillways.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$639	\$0	\$0	\$0	\$0
Design and Engineering		0	61,352	101,178	180,000	180,000	0
Construction		0	457	2,335,612	579,500	579,500	0
Other		0	2,125	2,352	0	0	0
<b>Total</b>	Continuing	<b>\$0</b>	<b>\$64,572</b>	<b>\$2,439,143</b>	<b>\$759,500</b>	<b>\$759,500</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$174,276	\$0	\$0	\$585,224	\$759,500

# FUND 308 PUBLIC WORKS CONSTRUCTION

<b>U00005</b>	<b>Secondary Monumentation</b>
Countywide	Countywide
<p>This project supports the maintenance and establishment of 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. DPWES has found that 30 to 50 percent of the existing markers have been destroyed or moved due to building and development in the County. FY 2002 funding in the amount of \$61,500 is included to provide annual maintenance and upgrading of existing GIS control points.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		1,472,885	0	0	0	0	0
Construction		10,789	0	0	61,500	61,500	0
Other		1,775	0	0	0	0	0
<b>Total</b>	Continuing	<b>\$1,485,449</b>	<b>\$0</b>	<b>\$0</b>	<b>\$61,500</b>	<b>\$61,500</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$61,500	\$0	\$0	\$0	\$61,500

## FUND 308 PUBLIC WORKS CONSTRUCTION

<b>U00006</b>	<b>Developer Defaults</b>
Countywide	Countywide
<p>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 costs of construction are specifically defined upon receipt of projects, punch lists, and estimates from the Department of Public Works and Environmental Services. These costs may be offset by the receipt of monies from developer escrow and court judgements and/or compromise settlements. FY 2002 funding in the amount of \$400,000 is included for construction of developer default projects of which \$300,000 is funded by developer default revenues and \$100,000 is funded by the General Fund. Projects to be constructed with anticipated developer default revenue of \$300,000 will be dependent on specific default project revenue recovery. General Fund monies of \$100,000 will be used to support developer default projects which are identified throughout the fiscal year. There is currently no significant unfunded backlog of developer default projects at this time.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$254,816	\$38,478	\$34,129	\$7,000	\$7,000	\$0
Design and Engineering		2,769,199	126,555	262,445	104,000	104,000	0
Construction		10,291,891	455,678	1,515,158	282,000	282,000	0
Other		386,983	16,738	65,262	7,000	7,000	0
<b>Total</b>	Continuing	<b>\$13,702,890</b>	<b>\$637,449</b>	<b>\$1,876,994</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$100,000	\$0	\$0	\$300,000	\$400,000

# FUND 308 PUBLIC WORKS CONSTRUCTION

<b>U00100</b>	<b>VDOT Participation Project</b>
Countywide	Countywide
<p>The County agrees to participate in the cost of certain VDOT construction projects in accordance with VDOT policy and guidelines, primarily by cost sharing in the construction of trails and storm sewer infrastructure associated with roadway improvements. The agreements are executed by both parties in advance of construction. The actual billing normally does not occur until sometime after VDOT construction is complete. FY 2002 funding in the amount of \$50,000 will provide for the costs associated with new VDOT agreements.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		160	0	69,895	30,000	30,000	0
Construction		900,419	0	981,394	0	0	0
Other		381,659	0	98,537	20,000	20,000	0
<b>Total</b>	Continuing	<b>\$1,282,238</b>	<b>\$0</b>	<b>\$1,149,826</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$50,000	\$0	\$0	\$0	\$50,000

# FUND 308 PUBLIC WORKS CONSTRUCTION

<b>V00000</b>	<b>Road Viewer Program</b>
Countywide	Countywide
<p>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 the Board of Road Viewers Program. Once improvements are funded and completed, the need for ongoing County maintenance work on the roadway is eliminated. The Board of Road Viewers Program is enabled under the Code of Virginia and was adopted by the Board of Supervisors. FY 2002 funding in the amount of \$50,000 is included to continue upgrading roads for acceptance into State Secondary Road System.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$172,176	(\$2,117)	\$29,397	\$5,000	\$5,000	\$0
Design and Engineering		578,821	5,591	67,379	25,000	25,000	0
Construction		1,496,163	0	169,433	5,000	5,000	0
Other		125,858	125	43,903	15,000	15,000	0
<b>Total</b>	Continuing	<b>\$2,373,018</b>	<b>\$3,599</b>	<b>\$310,113</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$50,000	\$0	\$0	\$0	\$50,000

# FUND 308 PUBLIC WORKS CONSTRUCTION

<b>V00001</b>	<b>Road Maintenance Program</b>
Countywide	Countywide
<p>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 the State law shall not exceed 30 miles per year. Currently, 54 roads are included in the County program, having a total length of 4.5 miles. 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 2002 funding in the amount of \$50,000 is included for continued road maintenance.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$229,770	(\$770)	\$5,770	\$7,000	\$7,000	\$0
Design and Engineering		748,201	64,404	30,596	30,000	30,000	0
Construction		1,690,240	32,385	203,197	5,000	5,000	0
Other		88,137	2,034	17,966	8,000	8,000	0
<b>Total</b>	Continuing	<b>\$2,756,347</b>	<b>\$98,053</b>	<b>\$257,529</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$50,000	\$0	\$0	\$0	\$50,000

# FUND 308 SIDEWALK CONSTRUCTION

<b>Z00020</b>	<b>Storm Water Control</b>
Countywide	Countywide
<p>This project funds work associated with an update of the Countywide storm water control plan. This plan will identify infrastructure deficiencies as well as strategies for addressing Federal, State, and County storm water control requirements. FY 2002 funding in the amount of \$500,000 will provide funding to continue work on this program.</p>	

	Total Project Estimate	Prior Expenditures	FY 2000 Expenditures	FY 2001 Revised Budget Plan	FY 2002 Advertised Budget Plan	FY 2002 Adopted Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0	\$0
Design and Engineering		0	0	500,000	0	0	0
Construction		0	0	0	500,000	500,000	0
Other		0	0	0	0	0	0
<b>Total</b>	Continuing	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>

<b>Source of Funding</b>				
General Fund	General Obligation Bonds	Transfers from Other Funds	Other	Total Funding
\$0	\$0	\$0	\$500,000	\$500,000