

Fund 402

Sewer Construction Improvements

Focus

Fund 402, Sewer Construction Improvements, provides for wastewater management construction projects through a transfer of funds from Fund 400, Sewer Revenue. All projects in Fund 402 are fully supported by sewer system revenues and are included in the Summary of Capital Projects.

In FY 2007, an amount of \$11,861,000 is included in Fund 402, Sewer Construction Improvements. Funding will provide for the installation of 12,000 linear feet of sanitary sewer lines in the River Oaks Road area; replacement of power generators at several pumping stations; the upgrade and replacement of aging sewer meters throughout the County; and the installation, repair, replacement and renovation of sewer lines using predominantly "no dig" technologies.

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:

- ◆ At the FY 2005 Carryover Review, the Board of Supervisors approved an increase of \$34,946,272 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 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., a contingency or planning project). The Project Detail Tables include project location, description, source of funding, and completion schedules.

Fund 402

Sewer Construction Improvements

FUND STATEMENT

Fund Type G40, Enterprise Funds

Fund 402, Sewer Construction Improvements

	FY 2005 Actual	FY 2006 Adopted Budget Plan	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan
Beginning Balance	\$51,688,913	\$0	\$34,946,272	\$0
Transfer In:				
Sewer Revenue (400)	\$35,495,200	\$45,807,900	\$45,807,900	\$11,861,000
Total Transfer In	\$35,495,200	\$45,807,900	\$45,807,900	\$11,861,000
Total Available	\$87,184,113	\$45,807,900	\$80,754,172	\$11,861,000
Total Expenditures	\$52,237,841	\$45,807,900	\$80,754,172	\$11,861,000
Total Disbursements	\$52,237,841	\$45,807,900	\$80,754,172	\$11,861,000
Ending Balance¹	\$34,946,272	\$0	\$0	\$0

¹ The capital projects in this sewer fund 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 402

Sewer Construction Improvements

FY 2007 Summary of Capital Projects

Fund: 402 Sewer Construction Improvements

Project #	Description	Total Project Estimate	FY 2005 Actual Expenditures	FY 2006 Revised Budget	FY 2007 Advertised Budget Plan
G00901	DC Treatment Center - Blue Plains	\$90,105,605	\$10,881,855.58	\$15,524,563.79	\$0
G00903	Arlington Wastewater Treatment	20,487,392	2,083,658.00	6,561,452.00	0
I00351	Pump Station Renovations		646,120.83	6,413,300.84	961,000
I00904	ASA Wastewater Treatment Plant	243,751,218	17,405,416.54	10,201,253.76	0
L00117	Dogue Creek Rehab/Replacement		65,491.15	2,910,573.13	0
N00321	Lower Potomac Exp. 54 MGD	95,949,000	2,173,412.62	1,115,525.92	0
T00124	Rocky Run Pump Station	4,335,926	33,789.80	303,413.98	0
X00445	Integrated Sewer Metering		208,375.00	30,597.86	100,000
X00823	Extension Projects FY 1993	4,009,003	171,173.78	147,449.28	0
X00826	Extension Project FY 1996	18,956,749	1,039,790.09	5,775,800.27	2,050,000
X00900	Replacement Transmission		0.00	776,725.19	0
X00905	Replacement & Transmission		5,200,040.31	8,988,100.23	8,750,000
X00906	Sewer Line Enlargement		3,996,257.19	7,129,699.67	0
X00908	Sewer Line Replacement - 5 Inch		0.00	136,920.04	0
X00910	Replacement and Renewal		8,325,443.83	13,923,759.15	0
X00930	Sewer Relocation - VADOT		4,350.94	180,115.19	0
X00940	Developer Projects County Costs		2,665.50	396,663.35	0
X00998	Sewer Contingency Project		0.00	185,686.27	0
X00999	Sewer Revolving Fund		0.00	52,572.00	0
Total		\$477,594,893	\$52,237,841.16	\$80,754,171.92	\$11,861,000

Fund 402

Sewer Construction Improvements

I00351	Pump Station Renovations
Countywide	Countywide
<p>Description and Justification: This project provides for the renovation of pumping stations within the Wastewater Management Program. FY 2007 funding in the amount of \$961,000 provides for the replacement and upgrade of five generators at pumping stations throughout the county due to water damage caused during Hurricane Isabel. This funding will also ensure proper operations in the wastewater treatment plant during power outages.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	Future Years
Land Acquisition		\$35,640	\$0	\$0	\$0	\$0
Design and Engineering		3,356,784	150,624	108,270	0	0
Construction		9,276,010	297,927	6,231,875	961,000	0
Other		208,784	197,569	73,156	0	0
Total	Continuing	\$12,877,218	\$646,121	\$6,413,301	\$961,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$961,000	\$961,000

Operating Budget Impact: The completion of this project will have no measurable impact on the operating budget.

Fund 402 Sewer Construction Improvements

X00445	Integrated Sewer Metering
Countywide	Countywide
<p>Description and Justification: This project provides funding for the Wastewater Management's metering program to ensure proper reporting of wastewater flow between jurisdictions. Flows must be monitored to: determine when the lines are nearing maximum capacity, detect groundwater inflow/infiltration, allow proper billing under interjurisdictional agreements for sewage treatment and comply with Virginia Water Control Board regulations requiring metering at all trunk sewer junctions. FY 2007 funding of \$100,000 will provide for the replacement of five meters based on the agency's metering replacement schedule.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	Future Years
Land Acquisition		\$0	\$0	\$0	\$0	\$0
Design and Engineering		44,230	0	0	0	0
Construction		63,464	0	30,598	100,000	0
Other		2,017,782	208,375	0	0	0
Total	Continuing	\$2,125,476	\$208,375	\$30,598	\$100,000	\$0

Source of Funding				
General Funding	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$100,000	\$100,000

Operating Budget Impact: The completion of this project will have no measurable impact on the operating budget.

Fund 402 Sewer Construction Improvements

X00826	Extension Projects
Countywide	Countywide
<p>Description and Justification: This project provides for the completion of sewer extension and improvement projects in those areas of the County with chronic septic systems failures. FY 2007 funding of \$2,050,000 provides for the first year of costs to install approximately 12,000 linear feet of eight-inch sanitary sewer line. This funding will partially address septic failures for eighty-seven dwellings on River Oaks Road as recommended by the Health Department. It is anticipated that additional funding will be required in FY 2008 to complete this project.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	Future Years
Land Acquisition	\$1,020,458	\$742,072	\$278,386	\$0	\$0	\$0
Design and Engineering	4,105,586	3,005,337	557,987	542,262	0	0
Construction	13,259,063	5,841,475	147,482	5,220,107	2,050,000	0
Other	571,641	502,275	55,935	13,431	0	0
Total	\$18,956,749	\$10,091,159	\$1,039,790	\$5,775,800	\$2,050,000	\$0

Source of Funding				
General Funding	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$2,050,000	\$2,050,000

Operating Budget Impact: The completion of this project will have no measurable impact on the operating budget.

Fund 402 Sewer Construction Improvements

X00905	Replacement and Transmission
Countywide	Countywide
<p>Description and Justification: This project provides for the systematic rehabilitation of the County's more than 3,290 miles of sanitary sewer lines. Funding of \$8,750,000 includes \$7,000,000 for the recurring repair, replacement and renovation of 20 miles of sewer lines using predominantly "no dig" technologies. In addition, \$1,750,000 is included for sewer line realignment of approximately 15 line segments throughout the County to correct hydraulic problems and prevent sewer backups/overflows.</p>	

	Total Project Estimate	Prior Expenditures	FY 2005 Expenditures	FY 2006 Revised Budget Plan	FY 2007 Advertised Budget Plan	Future Years
Land Acquisition		\$136,885	\$1,587	\$20,894	\$0	\$0
Design and Engineering		1,916,847	132,754	263,104	0	0
Construction		69,004,636	5,001,654	8,667,252	8,750,000	0
Other		301,747	64,045	36,850	0	0
Total	Continuing	\$71,360,114	\$5,200,040	\$8,988,100	\$8,750,000	\$0

Source of Funding				
General Fund	General Obligation Bonds	Transfers from Other Funds	Sewer Revenue	Total Funding
\$0	\$0	\$0	\$8,750,000	\$8,750,000

<p>Operating Budget Impact: The completion of this project will eliminate costly operation and maintenance costs for the wastewater collection facilities.</p>
