

CIP Summary by Division

Storm Water

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	24,920,842	31,791,000	23,250,000	28,350,000	27,900,000	26,500,000	162,711,842
Total Revenues	24,920,842	31,791,000	23,250,000	28,350,000	27,900,000	26,500,000	162,711,842
Expenditure Types							
Engineering - Architecture	4,542,624	2,600,000	1,730,000	2,275,000	1,980,000	2,095,000	15,222,624
Land Acquisition	5,917,036	1,520,000	1,750,000	1,025,000	1,025,000	1,030,000	12,267,036
Contract Construction	14,461,182	24,740,000	19,770,000	25,050,000	24,895,000	23,375,000	132,291,182
Capital Acquisition	0	2,931,000	0	0	0	0	2,931,000
Total Expenditures	24,920,842	31,791,000	23,250,000	28,350,000	27,900,000	26,500,000	162,711,842



Reprogrammed Allocations

Storm Water

Project Number	Project Name	Unapprop Allocation	Reprogram	G O Bonds	Other Sources	Total
ST03020	Timber Creek Drainage - ST	128,722	128,722	128,722	0	128,722
ST03021	Gayoso Bayou Culvert - ST	740,000	740,000	740,000	0	740,000
Total		868,722	868,722	868,722	0	868,722

These reprogrammed allocations are not included in the division summary on the previous page.



CIP Summary by Project

Storm Water

Division Priority	Project Number	Project Name	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
1	ST03006	Drainage - ST	19,954,618	13,000,000	13,000,000	15,000,000	15,000,000	15,000,000	90,954,618
2	ST04041	Environmental Permitting - ST	663,487	200,000	200,000	200,000	200,000	200,000	1,663,487
3	ST04010	Curb and Gutter - ST	878,777	950,000	700,000	750,000	800,000	850,000	4,928,777
4	ST04038	Stormwater Pollution - ST	1,000,000	500,000	500,000	4,500,000	4,500,000	500,000	11,500,000
5	ST03008	Subdivision Drainage - ST	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000
6	ST03083	Bridge Repair Storm Water	450,000	250,000	250,000	300,000	300,000	350,000	1,900,000
7	ST01089	Bartlett Rd/Fletcher - ST	283,960	160,000	2,500,000	0	0	0	2,943,960
8	ST03084	Watkins Storm Water	90,000	1,000,000	0	0	0	0	1,090,000
9	ST03059	Flood Control - ST	1,000,000	3,000,000	0	1,000,000	0	0	5,000,000
10	ST04043	Storage Building	0	450,000	0	0	0	0	450,000
11	ST03098	Major Drainage Rehab/Replace	0	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000
12	ST06001	Sweeper Wash Out Facility	0	250,000	0	0	0	0	250,000
	ST05002	Capital Acquisition	0	2,931,000	0	0	0	0	2,931,000
Total			24,920,842	31,791,000	23,250,000	28,350,000	27,900,000	26,500,000	162,711,842



CIP Detail by Project

Storm Water

Project Name Drainage - ST
Project Number ST03006
Division Priority 1

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	19,954,618	13,000,000	13,000,000	15,000,000	15,000,000	15,000,000	90,954,618
Total Revenues	19,954,618	13,000,000	13,000,000	15,000,000	15,000,000	15,000,000	90,954,618
Expenditure Types							
Engineering - Architecture	2,665,177	650,000	650,000	750,000	750,000	750,000	6,215,177
Land Acquisition	5,881,036	1,500,000	1,500,000	1,000,000	1,000,000	1,000,000	11,881,036
Contract Construction	11,408,405	10,850,000	10,850,000	13,250,000	13,250,000	13,250,000	72,858,405
Total Expenditures	19,954,618	13,000,000	13,000,000	15,000,000	15,000,000	15,000,000	90,954,618

Project Description / Justification:

This project provides funds for improvements to existing drainage systems throughout the City. All unappropriated allocations are tied to projects previously approved by the Council on an individual basis and are now under design.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Environmental Permitting - ST
Project Number ST04041
Division Priority 2

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	663,487	200,000	200,000	200,000	200,000	200,000	1,663,487
Total Revenues	663,487	200,000	200,000	200,000	200,000	200,000	1,663,487
Expenditure Types							
Engineering - Architecture	663,487	200,000	200,000	200,000	200,000	200,000	1,663,487
Total Expenditures	663,487	200,000	200,000	200,000	200,000	200,000	1,663,487

Project Description / Justification:

This project provides funds for the expenses associated with the Tennessee Department of Environment and Conservation permitting and environmental mitigation requirements for various City capital improvement projects.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Curb and Gutter - ST
Project Number ST04010
Division Priority 3

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	878,777	950,000	700,000	750,000	800,000	850,000	4,928,777
Total Revenues	878,777	950,000	700,000	750,000	800,000	850,000	4,928,777
Expenditure Types							
Engineering - Architecture	181,000	100,000	70,000	75,000	80,000	85,000	591,000
Contract Construction	697,777	850,000	630,000	675,000	720,000	765,000	4,337,777
Total Expenditures	878,777	950,000	700,000	750,000	800,000	850,000	4,928,777

Project Description / Justification:

This project provides funds for the repair and replacement of curbs and gutters throughout the City.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Stormwater Pollution - ST
Project Number ST04038
Division Priority 4

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	1,000,000	500,000	500,000	4,500,000	4,500,000	500,000	11,500,000
Total Revenues	1,000,000	500,000	500,000	4,500,000	4,500,000	500,000	11,500,000
Expenditure Types							
Engineering - Architecture	500,000	400,000	100,000	500,000	100,000	100,000	1,700,000
Contract Construction	500,000	100,000	400,000	4,000,000	4,400,000	400,000	9,800,000
Total Expenditures	1,000,000	500,000	500,000	4,500,000	4,500,000	500,000	11,500,000

Project Description / Justification:

This project provides funds for the construction of storm water pollution treatment units such as screens, retention ponds, and clarifiers on various storm drains as required by EPA.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Subdivision Drainage - ST
Project Number ST03008
Division Priority 5

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000
Total Revenues	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000
Expenditure Types							
Engineering - Architecture	109,000	10,000	10,000	10,000	10,000	10,000	159,000
Contract Construction	491,000	90,000	90,000	90,000	90,000	90,000	941,000
Total Expenditures	600,000	100,000	100,000	100,000	100,000	100,000	1,100,000

Project Description / Justification:

This project provides funds for drainage projects in new developments. The developer is responsible for the costs of the first 100 square feet of any cross-sectional area of a drainage ditch. Any cost beyond the 100 square feet are covered by the City through this project.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Bridge Repair Storm Water
Project Number ST03083
Division Priority 6

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	450,000	250,000	250,000	300,000	300,000	350,000	1,900,000
Total Revenues	450,000	250,000	250,000	300,000	300,000	350,000	1,900,000
Expenditure Types							
Engineering - Architecture	50,000	30,000	30,000	40,000	40,000	50,000	240,000
Land Acquisition	36,000	20,000	20,000	25,000	25,000	30,000	156,000
Contract Construction	364,000	200,000	200,000	235,000	235,000	270,000	1,504,000
Total Expenditures	450,000	250,000	250,000	300,000	300,000	350,000	1,900,000

Project Description / Justification:

This project provides funding for storm water related repairs and improvements to the City's 350 existing bridges. Two to three major projects and several smaller projects are expected each year. The types of projects anticipated include channel improvements to enhance storm water flow, rip rap placement and scour protection.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Bartlett Rd/Fletcher - ST
Project Number ST01089
Division Priority 7

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	283,960	160,000	2,500,000	0	0	0	2,943,960
Total Revenues	283,960	160,000	2,500,000	0	0	0	2,943,960
Expenditure Types							
Engineering - Architecture	283,960	160,000	70,000	0	0	0	513,960
Land Acquisition	0	0	230,000	0	0	0	230,000
Contract Construction	0	0	2,200,000	0	0	0	2,200,000
Total Expenditures	283,960	160,000	2,500,000	0	0	0	2,943,960

Project Description / Justification:

This project provides funds for improvements to Bartlett Road that creates a three-lane roadway. This is due in large part to the recent widening of Raleigh LaGrange Road and the scheduled widening of Summer Avenue by TDOT, which is expected to create an increase in traffic on Bartlett Road. The bridge near Fletcher Creek is also in need of replacement.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Watkins Storm Water
Project Number ST03084
Division Priority 8

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	90,000	1,000,000	0	0	0	0	1,090,000
Total Revenues	90,000	1,000,000	0	0	0	0	1,090,000
Expenditure Types							
Engineering - Architecture	90,000	0	0	0	0	0	90,000
Contract Construction	0	1,000,000	0	0	0	0	1,000,000
Total Expenditures	90,000	1,000,000	0	0	0	0	1,090,000

Project Description / Justification:

This project provides funds for the replacement of Watkins Bridge over Cypress Creek. The existing bridge has been rated ‘Scour Critical’ by the State. The channel has degraded significantly over the years threatening the bridge piers and the embankments are failing. The replacement bridge will span the creek without piers in the channel which impede storm water flow.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Flood Control - ST
Project Number ST03059
Division Priority 9

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	1,000,000	3,000,000	0	1,000,000	0	0	5,000,000
Total Revenues	1,000,000	3,000,000	0	1,000,000	0	0	5,000,000
Expenditure Types							
Contract Construction	1,000,000	3,000,000	0	1,000,000	0	0	5,000,000
Total Expenditures	1,000,000	3,000,000	0	1,000,000	0	0	5,000,000

Project Description / Justification:

This project provides funds for the rehabilitation of existing flood control pumping stations.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Storage Building
Project Number ST04043
Division Priority 10

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	0	450,000	0	0	0	0	450,000
Total Revenues	0	450,000	0	0	0	0	450,000
Expenditure Types							
Engineering - Architecture	0	50,000	0	0	0	0	50,000
Contract Construction	0	400,000	0	0	0	0	400,000
Total Expenditures	0	450,000	0	0	0	0	450,000

Project Description / Justification:

This project will provide funding for the Drain Maintenance storage building that will be used to provide a dry, noncorrosive space for storage of Drain Maintenance equipment at the existing Rangehills facility.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Major Drainage Rehab/Replace
Project Number ST03098
Division Priority 11

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	0	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000
Total Revenues	0	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000
Expenditure Types							
Engineering - Architecture	0	1,000,000	600,000	700,000	800,000	900,000	4,000,000
Contract Construction	0	8,000,000	5,400,000	5,800,000	6,200,000	8,600,000	34,000,000
Total Expenditures	0	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000

Project Description / Justification:

This project will provide funding for Major Drainage Rehabilitation that includes the improvement or replacement of major drainage infrastructure throughout the City of Memphis.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

Project Name Sweeper Wash Out Facility
Project Number ST06001
Division Priority 12

	Reprogram	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
Revenue Sources							
General Obligation Bonds	0	250,000	0	0	0	0	250,000
Total Revenues	0	250,000	0	0	0	0	250,000
Expenditure Types							
Contract Construction	0	250,000	0	0	0	0	250,000
Total Expenditures	0	250,000	0	0	0	0	250,000

Project Description / Justification:

This project provides funding for the Sweeper Wash Out Facility that will be used to remove grit and trash from sweeper wash water so that the wash water can be discharged into the sanitary sewer system.

Operating Budget Impact:

None



Current vs. Proposed CIP Comparison (G.O. Bonds)

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
1	ST03006	Drainage - ST	FY 2007	16,743,000	15,708,000	16,494,000	17,000,000	0	65,945,000
			FY 2008	13,000,000	13,000,000	15,000,000	15,000,000	15,000,000	71,000,000
			G.O. Bonds Change	(3,743,000)	(2,708,000)	(1,494,000)	(2,000,000)	15,000,000	5,055,000
2	ST04041	Environmental Permitting - ST	FY 2007	200,000	200,000	200,000	200,000	0	800,000
			FY 2008	200,000	200,000	200,000	200,000	200,000	1,000,000
			G.O. Bonds Change	0	0	0	0	200,000	200,000
3	ST04010	Curb and Gutter - ST	FY 2007	650,000	683,000	717,000	750,000	0	2,800,000
			FY 2008	950,000	700,000	750,000	800,000	850,000	4,050,000
			G.O. Bonds Change	300,000	17,000	33,000	50,000	850,000	1,250,000
4	ST04038	Stormwater Pollution - ST	FY 2007	4,500,000	4,500,000	0	0	0	9,000,000
			FY 2008	500,000	500,000	4,500,000	4,500,000	500,000	10,500,000
			G.O. Bonds Change	(4,000,000)	(4,000,000)	4,500,000	4,500,000	500,000	1,500,000
5	ST03008	Subdivision Drainage - ST	FY 2007	100,000	100,000	100,000	100,000	0	400,000
			FY 2008	100,000	100,000	100,000	100,000	100,000	500,000
			G.O. Bonds Change	0	0	0	0	100,000	100,000



Current vs. Proposed CIP Comparison (G.O. Bonds)

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
6	ST03083	Bridge Repair Storm Water	FY 2007	250,000	250,000	300,000	300,000	0	1,100,000
			FY 2008	250,000	250,000	300,000	300,000	350,000	1,450,000
			G.O. Bonds Change	0	0	0	0	350,000	350,000
7	ST01089	Bartlett Rd/Fletcher - ST	FY 2007	2,000,000	0	0	0	0	2,000,000
			FY 2008	160,000	2,500,000	0	0	0	2,660,000
			G.O. Bonds Change	(1,840,000)	2,500,000	0	0	0	660,000
8	ST03084	Watkins Storm Water	FY 2007	900,000	0	0	0	0	900,000
			FY 2008	1,000,000	0	0	0	0	1,000,000
			G.O. Bonds Change	100,000	0	0	0	0	100,000
9	ST03059	Flood Control - ST	FY 2007	500,000	500,000	0	0	0	1,000,000
			FY 2008	3,000,000	0	1,000,000	0	0	4,000,000
			G.O. Bonds Change	2,500,000	(500,000)	1,000,000	0	0	3,000,000
10	ST04043	Storage Building	FY 2007	0	0	0	0	0	0
			FY 2008	450,000	0	0	0	0	450,000
			G.O. Bonds Change	450,000	0	0	0	0	450,000



Current vs. Proposed CIP Comparison (G.O. Bonds)

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	Total
11	ST03098	Major Drainage Rehab/Replace	FY 2007	0	0	0	0	0	0
			FY 2008	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000
			G.O. Bonds Change	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	38,000,000
12	ST06001	Sweeper Wash Out Facility	FY 2007	0	0	0	0	0	0
			FY 2008	250,000	0	0	0	0	250,000
			G.O. Bonds Change	250,000	0	0	0	0	250,000
	ST05002	Capital Acquisition	FY 2007	1,226,000	1,113,000	1,226,000	1,113,000	0	4,678,000
			FY 2008	2,931,000	0	0	0	0	2,931,000
			G.O. Bonds Change	1,705,000	(1,113,000)	(1,226,000)	(1,113,000)	0	(1,747,000)
Total G.O. Bonds Change				4,722,000	196,000	9,313,000	8,437,000	26,500,000	49,168,000



Capital Acquisition

Storm Water

Item Description	Quantity	Unit Cost	Total Cost	Vehicles	Equipment	Furniture	Total Capital Acquisition
4X4 3/4 Ton EX cab Pickup -D	1	38,000	38,000	38,000			38,000
4X4 Pickup-HE	2	30,000	60,000	60,000			60,000
4x4 1/2 Ton Pickup Truck -GS	1	22,000	22,000	22,000			22,000
4x4 3/4 Ton Crew Cab diesel Truck GS	2	28,000	56,000	56,000			56,000
All Terrain Vehicle -D	1	10,000	10,000	10,000			10,000
Cab w/dump Body-D	2	68,000	136,000	136,000			136,000
Cab+Chassis w/Dump-D	2	55,000	110,000	110,000			110,000
CrewCab w/Dumpbody-D	3	68,000	204,000	204,000			204,000
Equipment Trailer-D	1	20,000	20,000		20,000		20,000
Flush Truck-HE	1	120,000	120,000	120,000			120,000
Street Sweepers-GS	8	132,500	1,060,000	1,060,000			1,060,000
Tandem Dump Truck -HE	2	115,000	230,000	230,000			230,000
Tandum Dump Truck-D	2	115,000	230,000	230,000			230,000
Wheel Excavator-HE	1	275,000	275,000	275,000			275,000
Wheel Loader-D	1	180,000	180,000	180,000			180,000
Wheel Loader-HE	1	180,000	180,000	180,000			180,000
Total Division				2,911,000	20,000	0	2,931,000



