

CIP Summary by Division

Storm Water

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	39,592,287	26,405,500	34,550,000	28,900,000	27,500,000	27,150,000	184,097,787
Total Revenues	39,592,287	26,405,500	34,550,000	28,900,000	27,500,000	27,150,000	184,097,787
Expenditure Types							
Engineering - Architecture	6,278,274	2,330,000	2,675,000	2,080,000	2,095,000	1,730,000	17,188,274
Land Acquisition	7,411,686	1,750,000	1,025,000	1,025,000	1,030,000	1,040,000	13,281,686
Contract Construction	25,902,327	20,670,000	30,850,000	25,795,000	24,375,000	24,380,000	151,972,327
Capitla Acquisition	0	1,655,500	0	0	0	0	1,655,500
Total Expenditures	39,592,287	26,405,500	34,550,000	28,900,000	27,500,000	27,150,000	184,097,787



Reprogrammed Allocations

Storm Water

Project Number	Project Name	Unapprop Allocation	Reprogram	G O Bonds	Other Sources	Total
ST03021	Gayoso Bayou Culvert - ST	665,000	665,000	665,000	0	665,000
ST03084	Watkins Storm Water	1,000,000	1,000,000	1,000,000	0	1,000,000
ST04043	Storage Building	450,000	450,000	450,000	0	450,000
Total		2,115,000	2,115,000	2,115,000	0	2,115,000

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
1	ST03006	Drainage - ST	20,619,263	13,000,000	15,000,000	15,000,000	15,000,000	15,000,000	93,619,263
2	ST04041	Environmental Permitting - ST	863,487	200,000	200,000	200,000	200,000	200,000	1,863,487
3	ST04010	Curb and Gutter - ST	1,803,577	700,000	750,000	800,000	850,000	900,000	5,803,577
4	ST04038	Stormwater Pollution - ST	1,500,000	500,000	4,500,000	4,500,000	500,000	500,000	12,000,000
5	ST03008	Subdivision Drainage - ST	700,000	100,000	100,000	100,000	100,000	150,000	1,250,000
6	ST03083	Bridge Repair Storm Water	662,000	250,000	300,000	300,000	350,000	400,000	2,262,000
7	ST03111	Airways over Nonconnah	0	500,000	5,200,000	0	0	0	5,700,000
8	ST01089	Bartlett Rd/Fletcher - ST	443,960	2,500,000	1,000,000	0	0	0	3,943,960
9	ST03059	Flood Control - ST	4,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	9,000,000
10	ST03098	Major Drainage Rehab/Replace	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	9,000,000	47,000,000
	ST05003	Capital Acquisition	0	1,655,500	0	0	0	0	1,655,500
Total			39,592,287	26,405,500	34,550,000	28,900,000	27,500,000	27,150,000	184,097,787



CIP Detail by Project

Storm Water

Project Name Drainage - ST
Project Number ST03006
Division Priority 1

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	20,619,263	13,000,000	15,000,000	15,000,000	15,000,000	15,000,000	93,619,263
Total Revenues	20,619,263	13,000,000	15,000,000	15,000,000	15,000,000	15,000,000	93,619,263
Expenditure Types							
Engineering - Architecture	2,654,027	650,000	750,000	750,000	750,000	750,000	6,304,027
Land Acquisition	7,355,686	1,500,000	1,000,000	1,000,000	1,000,000	1,000,000	12,855,686
Contract Construction	10,609,550	10,850,000	13,250,000	13,250,000	13,250,000	13,250,000	74,459,550
Total Expenditures	20,619,263	13,000,000	15,000,000	15,000,000	15,000,000	15,000,000	93,619,263

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources								
	General Obligation Bonds	863,487	200,000	200,000	200,000	200,000	200,000	1,863,487
	Total Revenues	863,487	200,000	200,000	200,000	200,000	200,000	1,863,487
Expenditure Types								
	Engineering - Architecture	863,487	200,000	200,000	200,000	200,000	200,000	1,863,487
	Total Expenditures	863,487	200,000	200,000	200,000	200,000	200,000	1,863,487

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	1,803,577	700,000	750,000	800,000	850,000	900,000	5,803,577
Total Revenues	1,803,577	700,000	750,000	800,000	850,000	900,000	5,803,577
Expenditure Types							
Engineering - Architecture	255,800	70,000	75,000	80,000	85,000	100,000	665,800
Contract Construction	1,547,777	630,000	675,000	720,000	765,000	800,000	5,137,777
Total Expenditures	1,803,577	700,000	750,000	800,000	850,000	900,000	5,803,577

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	1,500,000	500,000	4,500,000	4,500,000	500,000	500,000	12,000,000
Total Revenues	1,500,000	500,000	4,500,000	4,500,000	500,000	500,000	12,000,000
Expenditure Types							
Engineering - Architecture	900,000	100,000	500,000	100,000	100,000	100,000	1,800,000
Contract Construction	600,000	400,000	4,000,000	4,400,000	400,000	400,000	10,200,000
Total Expenditures	1,500,000	500,000	4,500,000	4,500,000	500,000	500,000	12,000,000

Project Description / Justification:

This project provides funds for the construction of stormwater 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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	700,000	100,000	100,000	100,000	100,000	150,000	1,250,000
Total Revenues	700,000	100,000	100,000	100,000	100,000	150,000	1,250,000
Expenditure Types							
Engineering - Architecture	119,000	10,000	10,000	10,000	10,000	20,000	179,000
Contract Construction	581,000	90,000	90,000	90,000	90,000	130,000	1,071,000
Total Expenditures	700,000	100,000	100,000	100,000	100,000	150,000	1,250,000

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 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	662,000	250,000	300,000	300,000	350,000	400,000	2,262,000
Total Revenues	662,000	250,000	300,000	300,000	350,000	400,000	2,262,000
Expenditure Types							
Engineering - Architecture	42,000	30,000	40,000	40,000	50,000	60,000	262,000
Land Acquisition	56,000	20,000	25,000	25,000	30,000	40,000	196,000
Contract Construction	564,000	200,000	235,000	235,000	270,000	300,000	1,804,000
Total Expenditures	662,000	250,000	300,000	300,000	350,000	400,000	2,262,000

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 Airways over Nonconnah
Project Number ST03111
Division Priority 7

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	0	500,000	5,200,000	0	0	0	5,700,000
Total Revenues	0	500,000	5,200,000	0	0	0	5,700,000
Expenditure Types							
Engineering - Architecture	0	500,000	200,000	0	0	0	700,000
Contract Construction	0	0	5,000,000	0	0	0	5,000,000
Total Expenditures	0	500,000	5,200,000	0	0	0	5,700,000

Project Description / Justification:

Replace the existing Airways Bridge over Nonconnah Creek which the State has determined to have structural deficiencies due to stream channel degradation.

Operating Budget Impact:

None.



CIP Detail by Project

Storm Water

Project Name Bartlett Rd/Fletcher - ST
Project Number ST01089
Division Priority 8

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	443,960	2,500,000	1,000,000	0	0	0	3,943,960
Total Revenues	443,960	2,500,000	1,000,000	0	0	0	3,943,960
Expenditure Types							
Engineering - Architecture	443,960	70,000	200,000	0	0	0	713,960
Land Acquisition	0	230,000	0	0	0	0	230,000
Contract Construction	0	2,200,000	800,000	0	0	0	3,000,000
Total Expenditures	443,960	2,500,000	1,000,000	0	0	0	3,943,960

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. Adjustments to the channel are required to conform to Fletcher Creek Storm Water Project which will begin in FY 2010.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

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

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	4,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	9,000,000
Total Revenues	4,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	9,000,000
Expenditure Types							
Engineering - Architecture	0	100,000	0	100,000	0	0	200,000
Contract Construction	4,000,000	900,000	1,000,000	900,000	1,000,000	1,000,000	8,800,000
Total Expenditures	4,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	9,000,000

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 Major Drainage Rehab/Replace
Project Number ST03098
Division Priority 10

	Reprogram	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
Revenue Sources							
General Obligation Bonds	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	9,000,000	47,000,000
Total Revenues	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	9,000,000	47,000,000
Expenditure Types							
Engineering - Architecture	1,000,000	600,000	700,000	800,000	900,000	500,000	4,500,000
Contract Construction	8,000,000	5,400,000	5,800,000	6,200,000	8,600,000	8,500,000	42,500,000
Total Expenditures	9,000,000	6,000,000	6,500,000	7,000,000	9,500,000	9,000,000	47,000,000

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



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

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
1	ST03006	Drainage - ST	FY 2008	13,000,000	15,000,000	15,000,000	15,000,000	0	58,000,000
			FY 2009	13,000,000	15,000,000	15,000,000	15,000,000	15,000,000	73,000,000
			G.O. Bonds Change	0	0	0	0	15,000,000	15,000,000
2	ST04041	Environmental Permitting - ST	FY 2008	200,000	200,000	200,000	200,000	0	800,000
			FY 2009	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 2008	700,000	750,000	800,000	850,000	0	3,100,000
			FY 2009	700,000	750,000	800,000	850,000	900,000	4,000,000
			G.O. Bonds Change	0	0	0	0	900,000	900,000
4	ST04038	Stormwater Pollution - ST	FY 2008	500,000	4,500,000	4,500,000	500,000	0	10,000,000
			FY 2009	500,000	4,500,000	4,500,000	500,000	500,000	10,500,000
			G.O. Bonds Change	0	0	0	0	500,000	500,000
5	ST03008	Subdivision Drainage - ST	FY 2008	100,000	100,000	100,000	100,000	0	400,000
			FY 2009	100,000	100,000	100,000	100,000	150,000	550,000
			G.O. Bonds Change	0	0	0	0	150,000	150,000



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

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
6	ST03083	Bridge Repair Storm Water	FY 2008	250,000	300,000	300,000	350,000	0	1,200,000
			FY 2009	250,000	300,000	300,000	350,000	400,000	1,600,000
			G.O. Bonds Change	0	0	0	0	400,000	400,000
7	ST03111	Airways over Nonconnah	FY 2008	0	0	0	0	0	0
			FY 2009	500,000	5,200,000	0	0	0	5,700,000
			G.O. Bonds Change	500,000	5,200,000	0	0	0	5,700,000
8	ST01089	Bartlett Rd/Fletcher - ST	FY 2008	2,500,000	0	0	0	0	2,500,000
			FY 2009	2,500,000	1,000,000	0	0	0	3,500,000
			G.O. Bonds Change	0	1,000,000	0	0	0	1,000,000
9	ST03059	Flood Control - ST	FY 2008	0	1,000,000	0	0	0	1,000,000
			FY 2009	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
			G.O. Bonds Change	1,000,000	0	1,000,000	1,000,000	1,000,000	4,000,000
10	ST03098	Major Drainage Rehab/Replace	FY 2008	6,000,000	6,500,000	7,000,000	9,500,000	0	29,000,000
			FY 2009	6,000,000	6,500,000	7,000,000	9,500,000	9,000,000	38,000,000
			G.O. Bonds Change	0	0	0	0	9,000,000	9,000,000



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

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total
	ST05003	Capital Acquisition	FY 2008	0	0	0	0	0	0
			FY 2009	1,655,500	0	0	0	0	1,655,500
		G.O. Bonds Change		1,655,500	0	0	0	0	1,655,500
		Total G.O. Bonds Change		3,155,500	6,200,000	1,000,000	1,000,000	27,150,000	38,505,500



Capital Acquisition

Storm Water

Item Description	Quantity	Unit Cost	Total Cost	Vehicles	Equipment	Furniture	Total Capital Acquisition
6" Trash Pump	1	25,000	25,000		25,000		25,000
Air compressor	1	17,500	17,500		17,500		17,500
Arrow Board	2	5,000	10,000		10,000		10,000
Crawler Dozer	1	300,000	300,000		300,000		300,000
Crew Cab w/Dump Bed	5	80,000	400,000	400,000			400,000
Emergency Power Back-up System	1	75,000	75,000		75,000		75,000
Hybrid SUV/Vehicle	1	22,000	22,000	22,000			22,000
Lawnmower	1	8,000	8,000		8,000		8,000
Loader	2	102,000	204,000		204,000		204,000
Mechanic Truck w/Service Body	1	103,000	103,000	103,000			103,000
New Tractor for CCTV System	1	20,000	20,000		20,000		20,000
Pickup Truck	3	22,000	66,000	66,000			66,000
Security System Upgrades	1	60,000	60,000		60,000		60,000
Tandem Dump Truck -HE	3	115,000	345,000	345,000			345,000
			Total Division	936,000	719,500	0	1,655,500



