

CIP Summary by Division

Storm Water

	Reprogram	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	62,842,287	37,953,100	30,650,000	31,050,000	29,800,000	28,350,000	220,645,387
Total Revenues	62,842,287	37,953,100	30,650,000	31,050,000	29,800,000	28,350,000	220,645,387
Expenditure Types							
Engineering - Architecture	8,008,274	2,650,000	2,050,000	2,160,000	1,780,000	1,790,000	18,438,274
Land Acquisition	9,161,686	1,025,000	2,525,000	2,530,000	1,040,000	1,050,000	17,331,686
Contract Construction	45,672,327	31,625,000	26,075,000	26,360,000	26,980,000	25,510,000	182,222,327
Capitla Acquisition	0	2,653,100	0	0	0	0	2,653,100
Total Expenditures	62,842,287	37,953,100	30,650,000	31,050,000	29,800,000	28,350,000	220,645,387



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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
1	ST03006	Drainage - ST	33,619,263	15,000,000	16,500,000	18,350,000	17,500,000	17,500,000	118,469,263
2	ST04041	Environmental Permitting - ST	1,063,487	200,000	200,000	200,000	200,000	200,000	2,063,487
3	ST04010	Curb and Gutter - ST	2,503,577	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	8,203,577
4	ST04038	Stormwater Pollution - ST	2,000,000	4,500,000	4,500,000	500,000	500,000	500,000	12,500,000
5	ST03008	Subdivision Drainage - ST	800,000	100,000	100,000	100,000	150,000	150,000	1,400,000
6	ST03083	Bridge Repair Storm Water	912,000	300,000	300,000	350,000	400,000	450,000	2,712,000
7	ST03111	Airways over Nonconnah	0	5,200,000	0	0	0	0	5,200,000
8	ST01089	Bartlett Rd/Fletcher - ST	2,943,960	1,000,000	0	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	15,000,000	6,500,000	7,000,000	9,500,000	9,000,000	7,500,000	54,500,000
	ST05004	Capital Acquisition	0	2,653,100	0	0	0	0	2,653,100
Total			62,842,287	37,953,100	30,650,000	31,050,000	29,800,000	28,350,000	220,645,387



CIP Detail by Project

Storm Water

Project Name Drainage - ST
Project Number ST03006
Division Priority 1

	Reprogram	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	33,619,263	15,000,000	16,500,000	18,350,000	17,500,000	17,500,000	118,469,263
Total Revenues	33,619,263	15,000,000	16,500,000	18,350,000	17,500,000	17,500,000	118,469,263
Expenditure Types							
Engineering - Architecture	3,304,027	750,000	750,000	850,000	850,000	850,000	7,354,027
Land Acquisition	8,855,686	1,000,000	2,500,000	2,500,000	1,000,000	1,000,000	16,855,686
Contract Construction	21,459,550	13,250,000	13,250,000	15,000,000	15,650,000	15,650,000	94,259,550
Total Expenditures	33,619,263	15,000,000	16,500,000	18,350,000	17,500,000	17,500,000	118,469,263

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	1,063,487	200,000	200,000	200,000	200,000	200,000	2,063,487
Total Revenues	1,063,487	200,000	200,000	200,000	200,000	200,000	2,063,487
Expenditure Types							
Engineering - Architecture	1,063,487	200,000	200,000	200,000	200,000	200,000	2,063,487
Total Expenditures	1,063,487	200,000	200,000	200,000	200,000	200,000	2,063,487

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	2,503,577	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	8,203,577
Total Revenues	2,503,577	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	8,203,577
Expenditure Types							
Engineering - Architecture	325,800	50,000	50,000	50,000	50,000	50,000	575,800
Contract Construction	2,177,777	1,450,000	1,000,000	1,000,000	1,000,000	1,000,000	7,627,777
Total Expenditures	2,503,577	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	8,203,577

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	2,000,000	4,500,000	4,500,000	500,000	500,000	500,000	12,500,000
Total Revenues	2,000,000	4,500,000	4,500,000	500,000	500,000	500,000	12,500,000
Expenditure Types							
Engineering - Architecture	1,000,000	500,000	100,000	100,000	100,000	100,000	1,900,000
Contract Construction	1,000,000	4,000,000	4,400,000	400,000	400,000	400,000	10,600,000
Total Expenditures	2,000,000	4,500,000	4,500,000	500,000	500,000	500,000	12,500,000

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	800,000	100,000	100,000	100,000	150,000	150,000	1,400,000
Total Revenues	800,000	100,000	100,000	100,000	150,000	150,000	1,400,000
Expenditure Types							
Engineering - Architecture	129,000	10,000	10,000	10,000	20,000	20,000	199,000
Contract Construction	671,000	90,000	90,000	90,000	130,000	130,000	1,201,000
Total Expenditures	800,000	100,000	100,000	100,000	150,000	150,000	1,400,000

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	912,000	300,000	300,000	350,000	400,000	450,000	2,712,000
Total Revenues	912,000	300,000	300,000	350,000	400,000	450,000	2,712,000
Expenditure Types							
Engineering - Architecture	72,000	40,000	40,000	50,000	60,000	70,000	332,000
Land Acquisition	76,000	25,000	25,000	30,000	40,000	50,000	246,000
Contract Construction	764,000	235,000	235,000	270,000	300,000	330,000	2,134,000
Total Expenditures	912,000	300,000	300,000	350,000	400,000	450,000	2,712,000

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	0	5,200,000	0	0	0	0	5,200,000
Total Revenues	0	5,200,000	0	0	0	0	5,200,000
Expenditure Types							
Engineering - Architecture	0	200,000	0	0	0	0	200,000
Contract Construction	0	5,000,000	0	0	0	0	5,000,000
Total Expenditures	0	5,200,000	0	0	0	0	5,200,000

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	2,943,960	1,000,000	0	0	0	0	3,943,960
Total Revenues	2,943,960	1,000,000	0	0	0	0	3,943,960
Expenditure Types							
Engineering - Architecture	513,960	200,000	0	0	0	0	713,960
Land Acquisition	230,000	0	0	0	0	0	230,000
Contract Construction	2,200,000	800,000	0	0	0	0	3,000,000
Total Expenditures	2,943,960	1,000,000	0	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 FY2010.

Operating Budget Impact:

None



CIP Detail by Project

Storm Water

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

	Reprogram	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	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	0	100,000	0	0	0	100,000
Contract Construction	4,000,000	1,000,000	900,000	1,000,000	1,000,000	1,000,000	8,900,000
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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
Revenue Sources							
General Obligation Bonds	15,000,000	6,500,000	7,000,000	9,500,000	9,000,000	7,500,000	54,500,000
Total Revenues	15,000,000	6,500,000	7,000,000	9,500,000	9,000,000	7,500,000	54,500,000
Expenditure Types							
Engineering - Architecture	1,600,000	700,000	800,000	900,000	500,000	500,000	5,000,000
Contract Construction	13,400,000	5,800,000	6,200,000	8,600,000	8,500,000	7,000,000	49,500,000
Total Expenditures	15,000,000	6,500,000	7,000,000	9,500,000	9,000,000	7,500,000	54,500,000

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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
1	ST03006	Drainage - ST	FY 2009	15,000,000	15,000,000	15,000,000	15,000,000	0	60,000,000
			FY 2010	15,000,000	16,500,000	18,350,000	17,500,000	17,500,000	84,850,000
			G.O. Bonds Change	0	1,500,000	3,350,000	2,500,000	17,500,000	24,850,000
2	ST04041	Environmental Permitting - ST	FY 2009	200,000	200,000	200,000	200,000	0	800,000
			FY 2010	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 2009	750,000	800,000	850,000	900,000	0	3,300,000
			FY 2010	1,500,000	1,050,000	1,050,000	1,050,000	1,050,000	5,700,000
			G.O. Bonds Change	750,000	250,000	200,000	150,000	1,050,000	2,400,000
4	ST04038	Stormwater Pollution - ST	FY 2009	4,500,000	4,500,000	500,000	500,000	0	10,000,000
			FY 2010	4,500,000	4,500,000	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 2009	100,000	100,000	100,000	150,000	0	450,000
			FY 2010	100,000	100,000	100,000	150,000	150,000	600,000
			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 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
6	ST03083	Bridge Repair Storm Water	FY 2009	300,000	300,000	350,000	400,000	0	1,350,000
			FY 2010	300,000	300,000	350,000	400,000	450,000	1,800,000
			G.O. Bonds Change	0	0	0	0	450,000	450,000
7	ST03111	Airways over Nonconnah	FY 2009	5,200,000	0	0	0	0	5,200,000
			FY 2010	5,200,000	0	0	0	0	5,200,000
			G.O. Bonds Change	0	0	0	0	0	0
8	ST01089	Bartlett Rd/Fletcher - ST	FY 2009	1,000,000	0	0	0	0	1,000,000
			FY 2010	1,000,000	0	0	0	0	1,000,000
			G.O. Bonds Change	0	0	0	0	0	0
9	ST03059	Flood Control - ST	FY 2009	1,000,000	1,000,000	1,000,000	1,000,000	0	4,000,000
			FY 2010	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
			G.O. Bonds Change	0	0	0	0	1,000,000	1,000,000
10	ST03098	Major Drainage Rehab/Replace	FY 2009	6,500,000	7,000,000	9,500,000	9,000,000	0	32,000,000
			FY 2010	6,500,000	7,000,000	9,500,000	9,000,000	7,500,000	39,500,000
			G.O. Bonds Change	0	0	0	0	7,500,000	7,500,000



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

Storm Water

Division Priority	Project Number	Project Name	Years	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	Total
	ST05004	Capital Acquisition	FY 2009	0	0	0	0	0	0
			FY 2010	2,653,100	0	0	0	0	2,653,100
		G.O. Bonds Change		2,653,100	0	0	0	0	2,653,100
Total G.O. Bonds Change				3,403,100	1,750,000	3,550,000	2,650,000	28,350,000	39,703,100



Capital Acquisition

Storm Water

Item Description	Quantity	Unit Cost	Total Cost	Vehicles	Equipment	Furniture	Total Capital Acquisition
Bob Truck	2	67,500	135,000	135,000			135,000
Brush Chipper	1	40,000	40,000		40,000		40,000
Camera Van/Truck	1	175,000	175,000	175,000			175,000
Complete GPS Survey System	1	110,000	110,000		110,000		110,000
Crawler Dozer	1	315,000	315,000		315,000		315,000
Hybrid SUV	1	30,000	30,000	30,000			30,000
Hybrid Vehicle	1	28,000	28,000	28,000			28,000
Mini-Excavator w/Attachments	2	110,000	220,000		220,000		220,000
Motor Grader	1	410,000	410,000		410,000		410,000
Mower	3	6,700	20,100		20,100		20,100
Rubber Tire Backhoe	1	130,000	130,000		130,000		130,000
SUV	1	30,000	30,000	30,000			30,000
Sweeper	2	150,000	300,000		300,000		300,000
Tampers	4	10,000	40,000		40,000		40,000
Tandem Dump Truck w/Spreader	2	135,000	270,000	270,000			270,000
Vactor/Sewer Cleaner Truck	1	400,000	400,000	400,000			400,000
Total Division				1,068,000	1,585,100	0	2,653,100



