

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	117,681,817	300,000
Total Revenues	<u><u>117,681,817</u></u>	<u><u>300,000</u></u>

Expenditure Types		
Engineering - Architecture	19,864,084	300,000
Land Acquisition	2,973,301	0
Contract Construction	94,844,432	0
Total Expenditures	<u><u>117,681,817</u></u>	<u><u>300,000</u></u>



	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	117,681,817	300,000	650,000	900,000	1,400,000	1,350,000	122,281,817
Total Revenues	117,681,817	300,000	650,000	900,000	1,400,000	1,350,000	122,281,817
Expenditure Types							
Engineering - Architecture	19,864,084	300,000	150,000	200,000	200,000	150,000	20,864,084
Land Acquisition	2,973,301	0	0	0	0	0	2,973,301
Contract Construction	94,844,432	0	500,000	700,000	1,200,000	1,200,000	98,444,432
Total Expenditures	117,681,817	300,000	650,000	900,000	1,400,000	1,350,000	122,281,817

CIP 2016 DIVISION SUMMARY

STORM WATER

Division Priority	Project Number	Project Name	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
1	ST03006	Drainage - ST	39,804,088	0	0	0	0	0	39,804,088
2	ST03098	Major Drainage Rehab/ Replace	28,002,839	0	0	0	0	0	28,002,839
3	ST04041	Environmental Permitting - ST	1,991,987	0	50,000	50,000	50,000	0	2,141,987
4	ST03083	Bridge Repair Storm Water	4,680,616	0	0	0	0	0	4,680,616
5	ST03059	Flood Control - ST	8,311,516	300,000	600,000	600,000	1,100,000	1,100,000	12,011,516
6	ST04038	Stormwater Pollution - ST	12,250,000	0	0	250,000	250,000	250,000	13,000,000
7	ST04010	Curb and Gutter - ST	5,813,348	0	0	0	0	0	5,813,348
8	ST03111	Airways over Nonconnah	8,836,168	0	0	0	0	0	8,836,168
9	ST01089	Bartlett Rd/Fletcher - ST	6,138,960	0	0	0	0	0	6,138,960
10	ST03084	Watkins Storm Water	852,295	0	0	0	0	0	852,295
11	ST03008	Subdivision Drainage - ST	1,000,000	0	0	0	0	0	1,000,000
Total			117,681,817	300,000	650,000	900,000	1,400,000	1,350,000	122,281,817



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Drainage - ST
 Project Number ST03006
 Division Priority 1

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	39,804,088	0
Total Revenues	39,804,088	0
Expenditure Types		
Engineering - Architecture	11,000,995	0
Land Acquisition	1,950,886	0
Contract Construction	26,852,207	0
Total Expenditures	39,804,088	0

Project Description / Justification:

This project reprograms the FY15 allocation for improvements to existing drainage systems throughout the City. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	39,804,088	0	0	0	0	0	39,804,088
Total Revenues	39,804,088	0	0	0	0	0	39,804,088
Expenditure Types							
Engineering - Architecture	11,000,995	0	0	0	0	0	11,000,995
Land Acquisition	1,950,886	0	0	0	0	0	1,950,886
Contract Construction	26,852,207	0	0	0	0	0	26,852,207
Total Expenditures	39,804,088	0	0	0	0	0	39,084,088



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Major Drainage Rehab/Replace
Project Number ST03098
Division Priority 2

	Reprogram	FY 2016
Revenue Sources		
General Obligation Bonds	28,002,839	0
Total Revenues	28,002,839	0
Expenditure Types		
Engineering - Architecture	2,455,043	0
Contract Construction	25,547,796	0
Total Expenditures	28,002,839	0

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. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering. Reprogram FY15 allocations.

Operating Budget Impact:

None

	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	28,002,839	0	0	0	0	0	28,002,839
Total Revenues	28,002,839	0	0	0	0	0	28,002,839
Expenditure Types							
Engineering - Architecture	2,455,043	0	0	0	0	0	2,455,043
Contract Construction	25,547,796	0	0	0	0	0	25,547,796
Total Expenditures	28,002,839	0	0	0	0	0	28,002,839



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Environmental Permitting - ST
Project Number ST04041
Division Priority 3

	Reprogram	FY 2016
Revenue Sources		
General Obligation Bonds	1,991,987	0
Total Revenues	1,991,987	0
Expenditure Types		
Engineering - Architecture	1,991,987	0
Total Expenditures	1,991,987	0

Project Description / Justification:

This project reprograms the FY2015 allocations for the expenses associated with the Tennessee Department of Environment and Conservation permitting and environmental mitigation requirements for various City capital improvement projects. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	1,991,987	0	50,000	50,000	50,000	0	2,141,987
Total Revenues	1,991,987	0	50,000	50,000	50,000	0	2,141,987
Expenditure Types							
Engineering - Architecture	1,991,987	0	50,000	50,000	50,000	0	2,141,987
Total Expenditures	1,991,987	0	50,000	50,000	50,000	0	2,141,987



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Bridge Repair Storm Water
Project Number ST03083
Division Priority 4

	Reprogram	FY 2016
Revenue Sources		
General Obligation Bonds	4,680,616	0
Total Revenues	4,680,616	0
Expenditure Types		
Engineering - Architecture	23,204	0
Land Acquisition	522,415	0
Contract Construction	4,134,997	0
Total Expenditures	4,680,616	0

Project Description / Justification:

This project reprograms the FY2015 allocation 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. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	4,680,616	0	0	0	0	0	4,680,616
Total Revenues	4,680,616	0	0	0	0	0	4,680,616
Expenditure Types							
Engineering - Architecture	23,204	0	0	0	0	0	23,204
Land Acquisition	522,415	0	0	0	0	0	522,415
Contract Construction	4,134,997	0	0	0	0	0	4,134,997
Total Expenditures	4,680,616	0	0	0	0	0	4,680,616



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Flood Control - ST
 Project Number ST03059
 Division Priority 5

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	8,311,516	300,000
Total Revenues	<u>8,311,516</u>	<u>300,000</u>
Expenditure Types		
Engineering - Architecture	697,819	300,000
Contract Construction	7,613,697	0
Total Expenditures	<u>8,311,516</u>	<u>300,000</u>

Project Description / Justification:

This project reprograms the FY2015 allocation for the rehabilitation of existing flood control pumping stations. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	8,311,516	300,000	600,000	600,000	1,100,000	1,100,000	12,011,516
Total Revenues	<u>8,311,516</u>	<u>300,000</u>	<u>600,000</u>	<u>600,000</u>	<u>1,100,000</u>	<u>1,100,000</u>	<u>12,011,516</u>
Expenditure Types							
Engineering - Architecture	697,819	300,000	100,000	100,000	100,000	100,000	1,397,819
Contract Construction	7,613,697	0	500,000	500,000	1,000,000	1,000,000	10,613,697
Total Expenditures	<u>8,311,516</u>	<u>300,000</u>	<u>600,000</u>	<u>600,000</u>	<u>1,100,000</u>	<u>1,100,000</u>	<u>12,011,516</u>



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Stormwater Pollution - ST
Project Number ST04038
Division Priority 6

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	12,250,000	0
Total Revenues	12,250,000	0
Expenditure Types		
Engineering - Architecture	1,850,000	0
Contract Construction	10,400,000	0
Total Expenditures	12,250,000	0

Project Description / Justification:

This project reprograms the FY2015 allocations for the construction of stormwater pollution treatment units such as screens, retention ponds, and clarifiers on various storm drains as required by EPA. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	12,250,000	0	0	250,000	250,000	250,000	13,000,000
Total Revenues	12,250,000	0	0	250,000	250,000	250,000	13,000,000
Expenditure Types							
Engineering - Architecture	1,850,000	0	0	50,000	50,000	50,000	2,000,000
Contract Construction	10,400,000	0	0	200,000	200,000	200,000	11,000,000
Total Expenditures	12,250,000	0	0	250,000	250,000	250,000	13,000,000



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Curb and Gutter - ST
Project Number ST04010
Division Priority 7

	Reprogram	FY 2016
Revenue Sources		
General Obligation Bonds	5,813,348	0
Total Revenues	5,813,348	0
Expenditure Types		
Engineering - Architecture	61,510	0
Contract Construction	5,751,838	0
Total Expenditures	5,813,348	0

Project Description / Justification:

This project reprograms the FY2014 allocation for the repair and replacement of curbs and gutters throughout the City. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	5,813,348	0	0	0	0	0	5,813,348
Total Revenues	5,813,348	0	0	0	0	0	5,813,348
Expenditure Types							
Engineering - Architecture	61,510	0	0	0	0	0	61,510
Contract Construction	5,751,838	0	0	0	0	0	5,751,838
Total Expenditures	5,813,348	0	0	0	0	0	5,813,348



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Airways over Nonconnah
Project Number ST03111
Division Priority 8

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	8,836,168	0
Total Revenues	8,836,168	0
Expenditure Types		
Engineering - Architecture	543,271	0
Contract Construction	8,292,897	0
Total Expenditures	8,836,168	0

Project Description / Justification:

This project reprograms FY15 allocation to replace the existing Airways Bridge over Nonconnah Creek which the State has determined to have structural deficiencies due to stream channel degradation. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None.

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	8,836,168	0	0	0	0	0	8,836,168
Total Revenues	8,836,168	0	0	0	0	0	8,836,168
Expenditure Types							
Engineering - Architecture	543,271	0	0	0	0	0	543,271
Contract Construction	8,292,897	0	0	0	0	0	8,292,897
Total Expenditures	8,836,168	0	0	0	0	0	8,836,168



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Bartlett Rd/Fletcher - ST
Project Number ST01089
Division Priority 9

	Reprogram	FY 2016
Revenue Sources		
General Obligation Bonds	6,138,960	0
Total Revenues	6,138,960	0
Expenditure Types		
Engineering - Architecture	638,960	0
Land Acquisition	500,000	0
Contract Construction	5,000,000	0
Total Expenditures	6,138,960	0

Project Description / Justification:

This project reprograms the FY2015 allocation 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 began in FY 2013. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	Reprogram	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Revenue Sources							
General Obligation Bonds	6,138,960	0	0	0	0	0	6,138,960
Total Revenues	6,138,960	0	0	0	0	0	6,138,960
Expenditure Types							
Engineering - Architecture	638,960	0	0	0	0	0	638,960
Land Acquisition	500,000	0	0	0	0	0	500,000
Contract Construction	5,000,000	0	0	0	0	0	5,000,000
Total Expenditures	6,138,960	0	0	0	0	0	6,138,960



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Watkins Storm Water
Project Number ST03084
Division Priority 10

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	852,295	0
Total Revenues	852,295	0
Expenditure Types		
Engineering - Architecture	452,295	0
Contract Construction	400,000	0
Total Expenditures	852,295	0

Project Description / Justification:

This project reprograms the FY2015 allocation 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. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	852,295	0	0	0	0	0	852,295
Total Revenues	852,295	0	0	0	0	0	852,295
Expenditure Types							
Engineering - Architecture	452,295	0	0	0	0	0	452,295
Contract Construction	400,000	0	0	0	0	0	400,000
Total Expenditures	852,295	0	0	0	0	0	852,295



CIP 2016 DETAIL BY PROJECT

STORM WATER

Project Name Subdivision Drainage - ST
Project Number ST03008
Division Priority 11

	<u>Reprogram</u>	<u>FY 2016</u>
Revenue Sources		
General Obligation Bonds	1,000,000	0
Total Revenues	1,000,000	0
Expenditure Types		
Engineering - Architecture	149,000	0
Contract Construction	851,000	0
Total Expenditures	1,000,000	0

Project Description / Justification:

This project reprograms the FY2015 allocation 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. All reprogram dollars are planned expenditures toward either projects previously approved by Council on an individual basis and are now under design or are projects that have been identified as needed by Public Works or Engineering.

Operating Budget Impact:

None

	<u>Reprogram</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Total</u>
Revenue Sources							
General Obligation Bonds	1,000,000	0	0	0	0	0	1,000,000
Total Revenues	1,000,000	0	0	0	0	0	1,000,000
Expenditure Types							
Engineering - Architecture	149,000	0	0	0	0	0	149,000
Contract Construction	851,000	0	0	0	0	0	851,000
Total Expenditures	1,000,000	0	0	0	0	0	1,000,000

