

	<b>Carry Forward</b>	<b>FY 2018</b>
<b>Revenue Sources</b>		
General Obligation Bonds	1,496,923	1,800,000
Federal Grants CIP	16,979,107	2,393,432
Local Other CIP	1,214,000	0
Capital PAY GO	3,200	0
<b>Total Revenues</b>	<b>19,693,230</b>	<b>4,193,432</b>
<b>Expenditure Types</b>		
Engineering - Architecture	3,118,006	595,300
Land Acquisition	5,000	140,000
Contract Construction	16,373,487	2,693,132
Furniture, Fixtures & Equipment	0	415,000
Other Cost	0	350,000
Persnnel Services	196,737	0
<b>Total Expenditures</b>	<b>19,693,230</b>	<b>4,193,432</b>

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	1,496,923	1,800,000	2,819,618	1,839,000	1,839,000	1,889,000	11,683,541
Federal Grants CIP	16,979,107	2,393,432	1,264,000	0	0	0	20,636,539
Local Other CIP	1,214,000	0	0	0	0	0	1,214,000
Capital PAY GO	3,200	0	0	0	0	0	3,200
<b>Total Revenues</b>	<b>19,693,230</b>	<b>4,193,432</b>	<b>4,083,618</b>	<b>1,839,000</b>	<b>1,839,000</b>	<b>1,889,000</b>	<b>33,537,280</b>
<b>Expenditure Types</b>							
Engineering - Architecture	3,118,006	595,300	218,000	218,000	218,000	218,000	4,585,306
Land Acquisition	5,000	140,000	10,000	10,000	10,000	10,000	185,000
Contract Construction	16,373,487	2,693,132	3,005,618	711,000	711,000	711,000	24,205,237
Furniture, Fixtures & Equipment	0	415,000	450,000	450,000	450,000	450,000	2,215,000
Other Cost	0	350,000	400,000	450,000	450,000	500,000	2,150,000
Personnel Services	196,737	0	0	0	0	0	196,737
<b>Total Expenditures</b>	<b>19,693,230</b>	<b>4,193,432</b>	<b>4,083,618</b>	<b>1,839,000</b>	<b>1,839,000</b>	<b>1,889,000</b>	<b>33,537,280</b>

# CIP SUMMARY BY PROJECT

CITY ENGINEER

Reference Number	Project Number	Project Name	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
1		FY18 Traffic Signals							
	EN18100	Coverline	0	700,000	760,000	760,000	760,000	760,000	3,740,000
2		Traffic Calm Devices							
	EN18300	Coverline	0	300,000	479,000	479,000	479,000	479,000	2,216,000
3	EN18200	FY18 Urban Art Coverline	0	350,000	400,000	450,000	450,000	500,000	2,150,000
4	EN01055	Transportation Alternatives	673,450	2,693,432	2,294,618	0	0	0	5,661,500
5	EN01067	HSIP Cover Line	173,078	150,000	150,000	150,000	150,000	150,000	923,078
6	EN01037	CMAQ BIKE ROUTES	1,750,000	0	0	0	0	0	1,750,000
7	EN01056	Sign Shop Relocation	500,000	0	0	0	0	0	500,000
8	EN01049	STP Isol Trf Sign Imprv-Gp1	3,897,433	0	0	0	0	0	3,897,433
9	EN01036	STP Pedestrian Routes	169,892	0	0	0	0	0	169,892
10	EN01035	STP Bike Routes	437,399	0	0	0	0	0	437,399
11	EN01026	Medical CTR Streetscape	5,534,228	0	0	0	0	0	5,534,228
12	EN01050	STP Isol Trf Sign Imprv-Gp2	3,428,557	0	0	0	0	0	3,428,557
13	EN01051	STP Isol Trf Sign Imprv-Gp3	3,129,193	0	0	0	0	0	3,129,193
<b>Total</b>			<b>19,693,230</b>	<b>4,193,432</b>	<b>4,083,618</b>	<b>1,839,000</b>	<b>1,839,000</b>	<b>1,889,000</b>	<b>33,537,280</b>



**Project Name** FY18 Traffic Signals Coverline  
**Project Number** EN18100  
**Reference Number** 1

**Project Description / Justification:**

This project is used to purchase traffic signals materials to be installed by City personnel to provide greater safety, improve the flow of traffic, and upgrade existing traffic signals that do not meet safety standards. New controllers, poles, and other equipment will be purchased to replace old and inoperable ones. On average, twelve intersections are improved each year.

**Operating Budget Impact:**

None.

**Project Detail - Current Year**

	Carry Forward	FY 2018
<b>Revenue Sources</b>		
General Obligation Bonds	0	700,000
<b>Total Revenues</b>	<b>0</b>	<b>700,000</b>
<b>Expenditure Types</b>		
Engineering - Architecture	0	50,000
Land Acquisition	0	10,000
Contract Construction	0	225,000
Furniture, Fixtures & Equipment	0	415,000
<b>Total Expenditures</b>	<b>0</b>	<b>700,000</b>

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	0	700,000	760,000	760,000	760,000	760,000	3,740,000
<b>Total Revenues</b>	<b>0</b>	<b>700,000</b>	<b>760,000</b>	<b>760,000</b>	<b>760,000</b>	<b>760,000</b>	<b>3,740,000</b>
<b>Expenditure Types</b>							
Engineering - Architecture	0	50,000	50,000	50,000	50,000	50,000	250,000
Land Acquisition	0	10,000	10,000	10,000	10,000	10,000	50,000
Contract Construction	0	225,000	250,000	250,000	250,000	250,000	1,225,000
Furniture, Fixtures & Equipment	0	415,000	450,000	450,000	450,000	450,000	2,215,000
<b>Total Expenditures</b>	<b>0</b>	<b>700,000</b>	<b>760,000</b>	<b>760,000</b>	<b>760,000</b>	<b>760,000</b>	<b>3,740,000</b>



**Project Name** Traffic Calm Devices Coverline  
**Project Number** EN18300  
**Reference Number** 2

**Project Description / Justification:**

This project is for the installation of traffic calming devices such as speed humps, traffic circles and rumble strips on local neighborhood streets that have documented speeding problems and meet established criteria for installation. This is an extremely popular program with neighborhoods and requests continue to be received. This project helps to address speeding problems on neighborhood streets, which is identified as a major concern in the Memphis Poll.

**Operating Budget Impact:**

None.

**Project Detail - Current Year**

	Carry Forward	FY 2018
<b>Revenue Sources</b>		
General Obligation Bonds	0	300,000
<b>Total Revenues</b>	<b>0</b>	<b>300,000</b>
<b>Expenditure Types</b>		
Engineering - Architecture	0	150,000
Contract Construction	0	150,000
<b>Total Expenditures</b>	<b>0</b>	<b>300,000</b>

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	0	300,000	479,000	479,000	479,000	479,000	2,216,000
<b>Total Revenues</b>	<b>0</b>	<b>300,000</b>	<b>479,000</b>	<b>479,000</b>	<b>479,000</b>	<b>479,000</b>	<b>2,216,000</b>
<b>Expenditure Types</b>							
Engineering - Architecture	0	150,000	168,000	168,000	168,000	168,000	822,000
Contract Construction	0	150,000	311,000	311,000	311,000	311,000	1,394,000
<b>Total Expenditures</b>	<b>0</b>	<b>300,000</b>	<b>479,000</b>	<b>479,000</b>	<b>479,000</b>	<b>479,000</b>	<b>2,216,000</b>

**Project Name**      FY18 Urban Art Coverline  
**Project Number**    EN18200  
**Reference Number**   3

**Project Description / Justification:**

This project makes funding available to create artworks which function as an essential element within the overall design of various City projects, complementing existing or proposed architectural elements within Capital Improvement Projects. The total funding for all Urban Arts projects may not exceed \$1.5 million in two successive fiscal years. Urban Art CIP is limited to \$1 million per fiscal year by Ordinance 4934.

**Operating Budget Impact:**

None.

**Project Detail - Current Year**

	Carry Forward	FY 2018
<b>Revenue Sources</b>		
General Obligation Bonds	0	350,000
<b>Total Revenues</b>	<b>0</b>	<b>350,000</b>
<b>Expenditure Types</b>		
Other Cost	0	350,000
<b>Total Expenditures</b>	<b>0</b>	<b>350,000</b>

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	0	350,000	400,000	450,000	450,000	500,000	2,150,000
<b>Total Revenues</b>	<b>0</b>	<b>350,000</b>	<b>400,000</b>	<b>450,000</b>	<b>450,000</b>	<b>500,000</b>	<b>2,150,000</b>
<b>Expenditure Types</b>							
Other Cost	0	350,000	400,000	450,000	450,000	500,000	2,150,000
<b>Total Expenditures</b>	<b>0</b>	<b>350,000</b>	<b>400,000</b>	<b>450,000</b>	<b>450,000</b>	<b>500,000</b>	<b>2,150,000</b>



**Project Name**      Transportation Alternatives  
**Project Number**    EN01055  
**Reference Number**   4

**Project Description / Justification:**

This program provides funding for improvements to bicycle and pedestrian infrastructure throughout the city of Memphis and is consistent with the MPO Regional Bicycle and Pedestrian Plan. (Ball Road Sidewalks, Central Library Pedestrian Crossing, Dunbar Elementary School Safety Project, Hanley Elementary School Safety Project, Mississippi Blvd Signalized Pedestrian Crossings, Range Line Sidewalks).

**Operating Budget Impact:**

None

**Project Detail - Current Year**

	<u>Carry Forward</u>	<u>FY 2018</u>
<b>Revenue Sources</b>		
General Obligation Bonds	326,000	300,000
Federal Grants CIP	347,450	2,393,432
<b>Total Revenues</b>	<b><u>673,450</u></b>	<b><u>2,693,432</u></b>
<b>Expenditure Types</b>		
Engineering - Architecture	570,950	395,300
Land Acquisition	5,000	130,000
Contract Construction	97,500	2,168,132
<b>Total Expenditures</b>	<b><u>673,450</u></b>	<b><u>2,693,432</u></b>

**Project Detail - 5 Year Summary**

	<u>Carry Forward</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>Total</u>
<b>Revenue Sources</b>							
General Obligation Bonds	326,000	300,000	1,030,618	0	0	0	1,656,618
Federal Grants CIP	347,450	2,393,432	1,264,000	0	0	0	4,004,882
<b>Total Revenues</b>	<b><u>673,450</u></b>	<b><u>2,693,432</u></b>	<b><u>2,294,618</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>5,661,500</u></b>
<b>Expenditure Types</b>							
Engineering - Architecture	570,950	395,300	0	0	0	0	966,250
Land Acquisition	5,000	130,000	0	0	0	0	135,000
Contract Construction	97,500	2,168,132	2,294,618	0	0	0	4,560,250
<b>Total Expenditures</b>	<b><u>673,450</u></b>	<b><u>2,693,432</u></b>	<b><u>2,294,618</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>5,661,500</u></b>



**Project Name** HSIP Cover Line  
**Project Number** EN01067  
**Reference Number** 5

**Project Description / Justification:**

This project will provide matching funds for Highway Safety Improvement Program (HSIP) projects directed by the state. The Federal Highway Administration defines HSIP as a "program to achieve reduction in traffic fatalities and serious injuries on all public roads". These projects often include intersection and rail crossing improvements.

**Operating Budget Impact:**

None

**Project Detail - Current Year**

	Carry Forward	FY 2018
<b>Revenue Sources</b>		
General Obligation Bonds	173,078	150,000
<b>Total Revenues</b>	<b>173,078</b>	<b>150,000</b>
<b>Expenditure Types</b>		
Contract Construction	173,078	150,000
<b>Total Expenditures</b>	<b>173,078</b>	<b>150,000</b>

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	173,078	150,000	150,000	150,000	150,000	150,000	923,078
<b>Total Revenues</b>	<b>173,078</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>923,078</b>
<b>Expenditure Types</b>							
Contract Construction	173,078	150,000	150,000	150,000	150,000	150,000	923,078
<b>Total Expenditures</b>	<b>173,078</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>923,078</b>





**Project Name** CMAQ BIKE ROUTES  
**Project Number** EN01037  
**Reference Number** 6

**Project Description / Justification:**

This project will fund the installation of approximately fifty miles of bicycle facilities along city streets. Using signage, striping, signal improvements and other approved street fixtures along existing roadways, these new facilities will enhance connectivity and form the beginning of a continuous network of facilities designed to safely accommodate bicycle transportation to and from key destinations. These projects allow residents the ability to positively impact the health, economic vitality, and social equity of their neighborhoods by providing safe, efficient, and continuous access throughout the city.

**Operating Budget Impact:**

None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	350,000	0	0	0	0	0	350,000
Federal Grants CIP	1,400,000	0	0	0	0	0	1,400,000
<b>Total Revenues</b>	<b>1,750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,750,000</b>
<b>Expenditure Types</b>							
Engineering - Architecture	35,000	0	0	0	0	0	35,000
Contract Construction	1,715,000	0	0	0	0	0	1,715,000
<b>Total Expenditures</b>	<b>1,750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,750,000</b>

**Project Name** Sign Shop Relocation  
**Project Number** EN01056  
**Reference Number** 7

**Project Description / Justification:**  
 Relocation of City Sign and Markings Shop to former Walter Simmons site.

**Operating Budget Impact:**  
 None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	500,000	0	0	0	0	0	500,000
<b>Total Revenues</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
<b>Expenditure Types</b>							
Engineering - Architecture	500,000	0	0	0	0	0	500,000
<b>Total Expenditures</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**Project Name** STP Isol Trf Sign Imprv-Grp 1  
**Project Number** EN01049  
**Reference Number** 8

**Project Description / Justification:**

This project will upgrade and enhance traffic signals at twelve (12) intersections on Jackson Avenue. Enhancements will be accomplished through completely rebuilding all twelve traffic signals for improved visibility and target value and making modifications to existing signal phasing. Improvements will include upgrading signal indications to LED displays where necessary, installing mast arm poles, adding countdown pedestrian signals, improving vehicle detection and visibility, and modifying existing signal phasing. The twelve intersections are Jackson at Orchi, Hollywood, University, Bayliss, Warford, Evergreen, McLean, Springdale, Watkins, Ayers, Manassas, and Meagher.

**Operating Budget Impact:**  
 None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	3,897,433	0	0	0	0	0	3,897,433
<b>Total Revenues</b>	<b>3,897,433</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,897,433</b>
<b>Expenditure Types</b>							
Engineering - Architecture	498,398	0	0	0	0	0	498,398
Contract Construction	3,316,750	0	0	0	0	0	3,316,750
Personnel Services	82,285	0	0	0	0	0	82,285
<b>Total Expenditures</b>	<b>3,897,433</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,897,433</b>

**Project Name** STP Pedestrian Routes  
**Project Number** EN01036  
**Reference Number** 9

**Project Description / Justification:**

Analysis of existing sidewalks in the proximity of schools to develop a comprehensive sidewalk implementation plan and the design and installation of sidewalks on routes to schools.

**Operating Budget Impact:**

None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	28,312	0	0	0	0	0	28,312
Federal Grants CIP	141,580	0	0	0	0	0	141,580
<b>Total Revenues</b>	<b>169,892</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,892</b>
<b>Expenditure Types</b>							
Engineering - Architecture	19,892	0	0	0	0	0	19,892
Contract Construction	150,000	0	0	0	0	0	150,000
<b>Total Expenditures</b>	<b>169,892</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,892</b>

**Project Name** STP Bike Routes  
**Project Number** EN01035  
**Reference Number** 10

**Project Description / Justification:**

Analysis of existing bike needs to develop a comprehensive bike route implementation plan and the design and installation of marked bike facilities on city streets to include bike lanes, wide outside lanes and shared lanes on the higher priority routes. Installation of bike facilities will improve opportunities for alternative transportation modes and improve the livability of Memphis.

**Operating Budget Impact:**

None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	78,431	0	0	0	0	0	78,431
Federal Grants CIP	358,968	0	0	0	0	0	358,968
<b>Total Revenues</b>	<b>437,399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>437,399</b>
<b>Expenditure Types</b>							
Engineering - Architecture	8,740	0	0	0	0	0	8,740
Contract Construction	428,659	0	0	0	0	0	428,659
<b>Total Expenditures</b>	<b>437,399</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>437,399</b>

**Project Name** Medical CTR Streetscape  
**Project Number** EN01026  
**Reference Number** 11

**Project Description / Justification:**

This project provides a mechanism for the City to administer a federal grant awarded to the City to provide streetscape and way finding improvements in the medical center. All expenses incurred shall be covered by the federal grant and local matching funds provided by the medical center and its tenants.

**Operating Budget Impact:**

None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
General Obligation Bonds	41,102	0	0	0	0	0	41,102
Federal Grants CIP	4,275,926	0	0	0	0	0	4,275,926
Local Others CIP	1,214,000	0	0	0	0	0	1,214,000
Capital PAY GO	3,200	0	0	0	0	0	3,200
<b>Total Revenues</b>	<b>5,534,228</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,534,228</b>
<b>Expenditure Types</b>							
Engineering - Architecture	564,228	0	0	0	0	0	564,228
Contract Construction	4,970,000	0	0	0	0	0	4,970,000
<b>Total Expenditures</b>	<b>5,534,228</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,534,228</b>

**Project Name** STP Isol Trf Sign Imprv-Grp 2  
**Project Number** EN01050  
**Reference Number** 12

**Project Description / Justification:**

This project will upgrade and enhance traffic signals at twelve (12) intersections. Enhancements will be accomplished through completely rebuilding all twelve traffic signals for improved visibility and target value and making modifications to existing signal phasing. Improvements will include upgrading signal indications to LED displays where necessary, installing mast arm poles, adding countdown pedestrian signals, improving vehicle detection and visibility, and modifying existing signal phasing. The twelve intersections are Park at Mt. Moriah, Goodlett, Robin Hood, Semmes, and St. Francis; Lamar at Democrat, Barksdale, and Kyle; and Danny Thomas at Frayser, Watkins, Marsh, and James.

**Operating Budget Impact:**  
 None

**Project Detail - 5 Year Summary**

	Carry Forward	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
<b>Revenue Sources</b>							
Federal Grants CIP	3,428,557	0	0	0	0	0	3,428,557
<b>Total Revenues</b>	<b>3,428,557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,428,557</b>
<b>Expenditure Types</b>							
Engineering - Architecture	461,481	0	0	0	0	0	461,481
Contract Construction	2,910,000	0	0	0	0	0	2,910,000
Personnel Services	57,076	0	0	0	0	0	57,076
<b>Total Expenditures</b>	<b>3,428,557</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,428,557</b>

**Project Name** STP Isol Trf Sign Imprv-Grp 3  
**Project Number** EN01051  
**Reference Number** 13

**Project Description / Justification:**

This project will upgrade and enhance traffic signals at ten (10) intersections. Enhancements will be accomplished through completely rebuilding all ten traffic signals for improved visibility and target value and making modifications to existing signal phasing. Improvements will include upgrading signal indications to LED displays where necessary, installing mast arm poles, adding count-down pedestrian signals, improving vehicle detection and visibility, and modifying existing signal phasing. The ten intersections are McCrory at Stratford, Walker at Third, Bayliss at National, Central at Greer, Knight Arnold at Hickory Hill, Southern at Hollywood, N Parkway at Watkins, McLemore at College, Central at McLean, and Mallory at Florida.

**Operating Budget Impact:**  
 None

**Project Detail - 5 Year Summary**

	<b>Carry Forward</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>Total</b>
<b>Revenue Sources</b>							
Federal Grants CIP	3,129,193	0	0	0	0	0	3,129,193
<b>Total Revenues</b>	<b>3,129,193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,129,193</b>
<b>Expenditure Types</b>							
Engineering - Architecture	459,317	0	0	0	0	0	459,317
Contract Construction	2,612,500	0	0	0	0	0	2,612,500
Personnel Services	57,376	0	0	0	0	0	57,376
<b>Total Expenditures</b>	<b>3,129,193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,129,193</b>