



FISCAL YEARS 2020-2024 CAPITAL PLAN

In April of 2016, City of Tulsa voters approved a temporary sales tax levy of a little over 3/10ths of a cent for the purpose of funding large scale economic development projects. The tax went into effect January, 2017 and will be in place for 15 years. The tax will fund over \$510.6 million in major capital and economic development projects across the city. Before passage, the most recent capital package was approved in 2013; the Improve Our Tulsa (IOT) program. This program provides funding for projects during the FY15 to FY21 time period with roughly \$564 million from an extension of a 1.1 percent sales tax to address citywide needs, as well as \$355 million provided from general obligation bonds to address street improvements. The City has issued \$205.0 million of the authorized \$355.0 with the remaining \$150.0 million to be issued in future years. The shared Mayoral and City Council goal of continuing the commitment to improving the condition of our roadways, the need to provide funds for critical goals such as public safety, federal mandates, building code and short-term capital needs, and goals identified in PlaniTulsa were used to prioritize the allocation of the authorized \$918.7 million in the IOT program. The commitment of these resources likely means that any newly identified or unfunded capital improvement projects will not be funded until the conclusion of these programs or as part of the re-authorization of IOT which is currently being developed.

Historically, the City of Tulsa has had an aggressive capital improvements program. The Third Penny Sales Tax program by itself has financed almost \$2.4 billion in needed projects over the last thirty years. That amount has been augmented by \$2.0 billion of additional general obligation and revenue bond dollars and millions more from federal grants and loans. In November 2008, the City of Tulsa electorate approved a street improvement package totaling \$451.6 million. The program was comprised of \$285 million in general obligation bond proceeds and \$166.6 million in sales tax revenue which was derived from an extension of the existing third penny sales tax in addition to a 0.167 percent increase. The program funded 128 arterial and residential street projects across the City. The 2006 Sales Tax program, approved in May 2006, which provided \$465 million for capital projects throughout the City, is in the final stage of implementation. All of the appropriations to fund these improvements are complete. Information about these programs is contained in the FY20 Capital Budget - Funded Programs Status and Operating Impact (Section 6) of this document, and includes a list of the proposed funding for FY20 .

In alignment with Government Finance Officers Association (GFOA) guidance, the City of Tulsa is proactive in reviewing its capital needs both annually and in the strategic view of long-range goals and needs as identified in various master plans. These planning efforts have been undertaken both internally and with sister organizations involved in major capital programs in the region. Out of these master plans and recommendations, over 620 projects totaling just over \$8.4 billion with time horizons that extend out as far as 50 years have been developed and are contained in an inventory that is reviewed and maintained by the City's Finance Department. The re-authorization of the IOT program referenced above will rely on these master plans as a basis for identifying the potential list of proposed projects. Section 7, Master Plan Priorities, provides a summary of each of the major master plans and highlights the goals for the physical improvements they govern. Funding recommendations covering these areas follows in Section 8, the 2020-2024 Capital Plan.

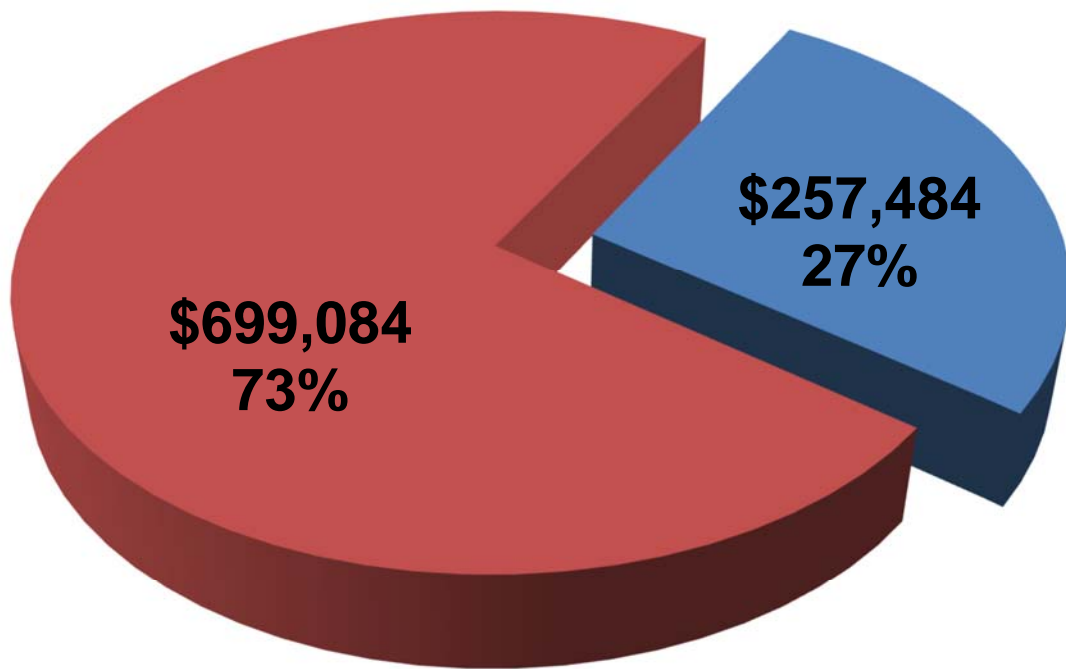
CAPITAL PLAN

**FIVE-YEAR LEVEL OF RECOMMENDED FUNDING
BY DEPARTMENT
Fiscal Years 2020 – 2024
(amount expressed in thousands)**

Project Type	Constrained Requests	FY20-24 Recommended Funding	Inventory Percent Funding	Total Percent Funding
Police Department Projects	\$ 36,000	\$ 36,000	100%	4%
Fire Department Projects	15,000	15,000	100%	2%
Total Public Safety and Protection	\$ 51,000	\$ 51,000	100%	5%
Park and Recreation Projects	30,000	25,000	83%	3%
Total Cultural Development and Recreation	\$ 30,000	\$ 25,000	83%	3%
Street and Expressway Projects	399,000	284,300	71%	30%
Water System Projects	1,500,258	176,057	12%	18%
Sanitary Sewer System Projects	427,215	247,761	58%	26%
Flood Control Projects	125,700	100,000	80%	10%
Facilities Maintenance Projects	45,000	28,750	64%	3%
Total Public Works and Development	\$ 2,497,173	\$ 836,868	34%	87%
Mayor's Office of Eco Development Projects	5,000	5,000	100%	1%
Total Social and Economic Development	\$ 5,000	\$ 5,000	100%	1%
Tulsa Transit Projects	18,000	16,450	91%	2%
Total Transportation	\$ 18,000	\$ 16,450	91%	2%
Short-Term & Contracted Capital Projects	32,000	22,250	70%	2%
Total Administrative and Support Services	\$ 32,000	\$ 22,250	70%	2%
Total of All Capital Project Types	\$ 2,633,173	\$ 956,568	36%	100%

FY 2020 - 2024
RECOMMENDED CIP FUNDING
RENEWAL VS. GROWTH
(\$000)

Total \$956,568



■ GROWTH ■ RENEWAL

CAPITAL PLAN

A SUMMARY OF THE CAPITAL BUDGET AND FIVE-YEAR CAPITAL PLAN

The following is a summary of all proposed, but unfunded capital expenditures for the next five years. It does not include project allocations in previously approved capital programs. *The amount shown does not include each department's funding from the approved 2017 Limited Purpose Sales Tax Program, 2014 Sales Tax Extension, 2014 General Obligation Bond Program, the 2008 Street Improvement Program, or the 2006 Sales Tax Extension. Information on the projects and appropriations for these programs is contained in Section 6. Due to the commitment of sales tax and bond proceeds to projects authorized in 2016, new or unfunded capital projects will likely not be funded until the conclusion of the Improve Our Tulsa program in 2021.*

<u>PROGRAM/DEPARTMENT</u>	<u>Proposed 5-Year Funding</u>
<u>PUBLIC SAFETY AND PROTECTION</u>	
Police and E-911 Department	\$36 million
The Police Department’s highest priority is the renovation of the Police Courts and 911 Facilities, as well as the replacement of its fleet.	
Fire	\$15 million
The Fire Department’s highest priority is the replacement of its apparatus, followed by the purchase of various training props to be used at the Training Academy.	
Total Public Safety and Protection	
	\$51 million
<u>CULTURAL DEVELOPMENT AND RECREATION</u>	
Park and Recreation Department	\$25 million
The maintenance of the Park systems aging facilities is the Department’s highest priority. Park system projects have been prioritized in the Park’s Master Plan and funding has been allocated toward its implementation in previous capital programs.	
Total Cultural Development and Recreation	
	\$25 million
<u>PUBLIC WORKS AND INFRASTRUCTURE</u>	
Streets and Expressways	\$284.3 million
One of the top priorities of the City continues to be arterial and residential street resurfacing. Funding to match ODOT eight year plan improvements and improvements identified in the Bicycle and Pedestrian Master Plan currently underway are a high priority.	
Water	\$176.1 million
The City continues implementing the IMG Water System Study, which identified the most critical needs in this area, such as protecting the Spavinaw watershed from pollution and the maintenance of the existing distribution system.	

CAPITAL PLAN

<u>PROGRAM/DEPARTMENT</u>	<u>Proposed 5-Year Funding</u>
<p>Sanitary Sewer</p> <p>The City completed all required projects to meet the consent orders issued in the late 1990's by State and Federal regulatory authorities. Additional isolated consent orders have been issued since then to eliminate recent specific incidents of residential sewage overflows. However, all consent orders have been completed presently. Future Utility Revenue Bonds and Enterprise Fund resources will be dedicated to the completion of any future consent orders, as well as the upkeep of existing assets.</p>	\$247.8 million
<p>Flood Control</p> <p>The continued implementation of the Citywide Flood Control Plan is the highest priority. Floodplain acquisition, planning services for the Hazard Mitigation Program, and urgent small drainage improvements are identified as the highest priorities by the plan.</p>	\$100 million
<p>Facilities</p> <p>ADA improvements at public facilities are top priority. Additionally, sources of maintenance capital need to be identified as an inventory backlog of over \$100 million in roofing and facility maintenance needs exists.</p>	\$28.8 million
Total Public Works and Infrastructure	\$836.9 million
<u>SOCIAL AND ECONOMIC DEVELOPMENT</u>	
<p>Mayor's Office of Economic Development (MOED)</p> <p>MOED will continue to pursue various economic development efforts as identified in the City's various plans well as efforts such as the beautification of Route 66 and infrastructure to support the Peoria/Mohawk Business Park.</p>	\$5 million
Total Social and Economic Development	\$5 million
<p>Metropolitan Tulsa Transit Authority Projects (MTTA)</p> <p>MTTA's highest priorities are the continued replacement of its fleet, the construction of additional passenger shelters, and to improve and expand its service.</p>	\$16.5 million
Total Transportation	\$16.5 million
<u>ADMINISTRATIVE AND SUPPORT SERVICES</u>	
<p>Short Term Capital Projects</p> <p>Projects in this category include the replacement of various existing capital equipment, such as; department fleet, facility equipment, and minor facility purchases and repairs.</p>	\$22.3 million
Total Administrative and Support Services	\$22.3 million
<u>TOTAL PROPOSED FIVE-YEAR FUNDING PROGRAM</u>	\$956.6 million

CAPITAL PLAN

CITY OF TULSA

FISCAL YEARS 2020-2024 CAPITAL IMPROVEMENTS FUNDING SCHEDULE

SUMMARY OF HIGH PRIORITY FUNDING REQUESTS BY DEPARTMENT

Prepared by the Department of Finance in Collaboration with the Operating Departments

All Dollars in Thousands

Project Type	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
Police Department Projects	\$ 36,000	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ 10,000	\$ 36,000
Fire Department Projects	15,000	-	-	4,000	5,500	5,500	15,000
Total Public Safety and Protection	\$ 51,000	\$ -	\$ -	\$ 14,000	\$ 21,500	\$ 15,500	\$ 51,000
Park and Recreation Department Projects	30,000	3,500	3,500	3,000	7,500	7,500	25,000
Total Cultural Devel. and Recreation	\$ 30,000	\$ 3,500	\$ 3,500	\$ 3,000	\$ 7,500	\$ 7,500	\$ 25,000
Street and Expressway Projects	399,000	70,450	68,450	45,450	51,200	48,750	284,300
Water System Projects	1,500,258	34,635	39,151	45,558	30,159	26,554	173,057
Sanitary Sewer System Projects	427,215	48,422	50,466	45,572	64,375	38,926	247,761
Flood Control Projects	125,700	9,200	15,200	41,600	17,000	17,000	100,000
Facilities Maintenance Projects	45,000	5,000	5,000	4,750	7,000	7,000	28,750
Total Public Works	\$ 2,497,173	\$ 164,707	\$ 178,267	\$ 182,930	\$ 169,734	\$ 138,230	\$ 833,868
Mayor's Office of Eco Development Projects	5,000	1,000	1,000	1,000	1,000	1,000	5,000
Total Social and Economic Development	\$ 5,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000
Metropolitan Tulsa Transit Authority Projects	18,000	3,000	3,000	3,000	3,000	4,450	16,450
Total Transportation	\$ 18,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 4,450	\$ 16,450
Short Term & Contracted Capital Projects	32,000	2,050	2,050	6,050	6,050	6,050	22,250
Total Administrative and Support	\$ 32,000	\$ 2,050	\$ 2,050	\$ 6,050	\$ 6,050	\$ 6,050	\$ 22,250
Total of All Capital Project Types	\$ 2,633,173	\$ 177,257	\$ 187,817	\$ 209,980	\$ 208,784	\$ 172,730	\$ 953,568

Amounts shown do not reflect the value of the Capital Inventory. Dollars reflect the estimated cost of those projects needed in the next five years.

CAPITAL PLAN

CITY OF TULSA
FISCAL YEARS 2020-2024 CAPITAL IMPROVEMENTS FUNDING SCHEDULE
SUMMARY OF FUNDING REQUESTS BY FUNDING SOURCE *

Prepared by the Department of Finance in Collaboration with the Operating Departments
(amount expressed in thousands)

<u>Funding Source</u>	<u>Est. Cost</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>Total</u>
Future Bond Program	\$ 427,000	\$ 85,000	\$ 83,000	\$ 39,000	\$ 59,000	\$ 52,000	\$ 318,000
Future Sales Tax Program	153,000	-	-	38,250	38,250	38,250	114,750
Water Enterprise	715,308	34,635	39,151	32,458	29,559	26,554	162,357
Water Revenue Bond	784,950	-	-	13,100	600	-	13,700
State Sewer (FAP)	105,172	18,721	15,623	16,216	13,135	700	64,395
Sewer Enterprise	287,386	25,144	23,057	28,624	33,658	38,226	148,709
State Sewer Loan	34,657	4,557	11,786	732	17,582	-	34,657
Storm Sewer Enterprise	26,000	6,000	5,000	5,000	5,000	5,000	26,000
Airport and FAA Funds	99,700	3,200	10,200	36,600	12,000	12,000	74,000
Total Funding by Source	\$ 2,633,173	\$ 177,257	\$ 187,817	\$ 209,980	\$ 208,784	\$ 172,730	\$ 953,568

* Other Funding Sources: Existing Sales Tax Programs; Golf Course Fees; Tax Increment Financing; Equipment Management Fund; Special Purpose Revenue Bonds; and Private Matching Funding.

Amounts shown do not reflect the value of the Capital Inventory. Dollars reflect the estimated cost of those projects needed in the next five years.

CAPITAL PLAN

CONSTRAINED VERSUS UNCONSTRAINED INVENTORY BY DEPARTMENT

Fiscal years 2020 – 2024
(amount expressed in thousands)

Project Type	Constrained Inventory	Unconstrained Inventory	Total
Police Department Projects	\$ 36,000	\$ 40,874	\$ 76,874
Fire Department Projects	15,000	237,818	252,818
Total Public Safety and Protection	\$ 51,000	\$ 278,692	\$ 329,692
Park and Recreation Projects	30,000	340,262	370,262
Total Cultural Development and Recreation	\$ 30,000	\$ 340,262	\$ 370,262
Street and Expressway Projects	399,000	3,154,972	3,553,972
Water System Projects	1,500,258	(113,423)	1,386,835
Sanitary Sewer System Projects	427,215	123,138	550,353
Flood Control Projects	125,700	333,342	459,042
Facilities Maintenance Projects	45,000	1,571,237	1,616,237
Total Public Works and Development	\$ 2,497,173	\$ 5,069,265	\$ 7,566,438
Mayor's Office of Eco Development Projects	5,000	-	5,000
Total Social and Economic Development	\$ 5,000	\$ -	\$ 5,000
Tulsa Transit Projects	18,000	57,620	75,620
Total Transportation	\$ 18,000	\$ 57,620	\$ 75,620
Short Term & Contracted Capital Projects	32,000	29,750	61,750
Total Administrative and Support Services	\$ 32,000	\$ 29,750	\$ 61,750
Total of All Capital Project Types	\$ 2,633,173	\$ 5,775,589	\$ 8,408,762

CITY OF TULSA

FISCAL YEARS 2020-2024 CAPITAL IMPROVEMENTS FUNDING SCHEDULE

Prepared by the Department of Finance in Collaboration with the Operating Departments

All Dollars In Thousands. Projects Shown in Boldface Type are New Requests

Priority Indicated Represents Department's Rating

Ref.	Project	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
PUBLIC SAFETY & PROTECTION								
Police Department								
1	Police Vehicle Replacement and Equipment	\$ 30,000			\$ 10,000	\$ 10,000	\$ 10,000	\$ 30,000
2	Jail Video Data Retention	1,500				1,500		\$ 1,500
3	Eurocopter	4,500				4,500		\$ 4,500
Total Police Department Projects		\$ 36,000	\$ -	\$ -	\$ 10,000	\$ 16,000	\$ 10,000	\$ 36,000
Fire Department								
4	Fire Apparatus	12,000			4,000	4,000	4,000	12,000
5	Fire Station Dispatch Program	3,000				1,500	1,500	3,000
Total Fire Department Projects		\$ 15,000	\$ -	\$ -	\$ 4,000	\$ 5,500	\$ 5,500	\$ 15,000
TOTAL PUBLIC SAFETY AND PROTECTION PROJECTS		\$ 51,000	\$ -	\$ -	\$ 14,000	\$ 21,500	\$ 15,500	\$ 51,000
CULTURAL DEVELOPMENT & RECREATION								
Park And Recreation Department								
6	General Park Improvements	15,000	3,500	3,500		3,500	3,500	14,000
	General Park Improvements	15,000			3,000	4,000	4,000	11,000
Total Parks And Recreation Department Projects		\$ 30,000	\$ 3,500	\$ 3,500	\$ 3,000	\$ 7,500	\$ 7,500	\$ 25,000
7	Arterial Street Widening	64,000	22,450	20,450		2,950		45,850
8	Bicycle Pedestrian Master Plan Improvements	5,000	1,000	1,000		2,000	1,000	5,000
Total Express, Streets, Bridges, Trails		\$	\$ 23,450	\$ 21,450	\$ -	\$ 4,950	\$ 1,000	\$ 50,850
Major Rehabilitation								
9	Arterial Street Rehabilitation Including Routine and Preventative	120,000	21,000	21,000	14,000	11,000	11,000	78,000
	Arterial Street Rehabilitation Including Routine and Preventative	40,000			10,000	6,750	8,000	24,750
10	Residential Street Rehabilitation Including Routine and Preventative	160,000	26,000	26,000	18,950	26,000	26,000	122,950
Total Major Rehabilitation		\$ 320,000	\$ 47,000	\$ 47,000	\$ 42,950	\$ 43,750	\$ 45,000	\$ 225,700
Traffic Engineering								
11	Traffic Engineering Improvements	10,000			2,500	2,500	2,750	7,750
Total Traffic Engineering		\$ 10,000	\$ -	\$ -	\$ 2,500	\$ 2,500	\$ 2,750	\$ 7,750
Total Streets And Expressway Projects		\$ 399,000	\$ 70,450	\$ 68,450	\$ 45,450	\$ 51,200	\$ 48,750	\$ 284,300
Water System Supply								
12	Raw Water Flowlines Repairs- Spavinaw	80,220	250		250			500
13	Source Water Protection and Management Program	78,641	772	803	820	824	830	4,049
14	Eucha, Spavinaw Water Quality Court Master	60,690	610	630	650	670	690	3,250
15	Raw Water Flowline Repairs Tiawah Tunnel	1,000		1,000				1,000
16	Eucha Dam Anchoring	15,965			15,965			15,965
17	Mohawk Pump Stations 1 & 2 Rehabilitation	22,580	810					810
18	Bird Crk No. 1 Pump Station Refurbishment	5,500	1,600					1,600
19	Woods Pump Station Refurbishment	2,920		50	500			550
20	Grand River Pump Station Refurbishment	4,320		70	700			770

CITY OF TULSA
FISCAL YEARS 2020-2024 CAPITAL IMPROVEMENTS FUNDING SCHEDULE
 Prepared by the Department of Finance in Collaboration with the Operating Departments
 All Dollars In Thousands. Projects Shown in Boldface Type are New Requests
 Priority Indicated Represents Department's Rating

Funding Source	Priority		Comments	Ref.
	FY20	FY19		
PUBLIC SAFETY & PROTECTION				
Police Department				
Future Sales Tax	High	High	To replace capital equipment needs, including squad cars and miscellaneous equipment.	1
Future Sales Tax	High	High	Retain jail video for 26 months for litigation purposes. Currently we are only able to keep 6 months of video (at best) depending on what is being retained. We need to protect the City of Tulsa during any litigation brought from incidents occurring in the lock up facility.	2
Future Bond Program	High	High	Replace 2013 Bell Helicopter and FLIR	3
Fire Department				
Future Sales Tax	High	High	Continuation of replacement program for emergency response apparatus.	4
Future Sales Tax	High	High	The current dispatch process initiated by the Fire Alarm Office has become exceptionally slow, unreliable, and absent of important text type data. The technology of the current system is outdated and is not compatible with modern CAD systems. The system is also incompatible with neighboring response agencies which prevents a true automatic aid agreement.	5
CULTURAL DEVELOPMENT & RECREATION				
Park And Recreation Department				
Future Bond Program	High	High	Improvements throughout the parks system in accordance with the Parks Department Master Plan.	6
Future Sales Tax	High	High	Improvements throughout the parks system in accordance with the Parks Department Master Plan.	
Future Bond Program	High	High	Widen over capacity arterial roadways in accordance with the Major Street And Highway Plan (MSHP)	7
Future Bond Program	High	High	Bicycle and Pedestrin master plan improvemnts in accordance with the GO Plan.	8
Major Rehabilitation				
Future Bond Program	High	High	Perform necessary rehabilitation on arterial streets as indicated through the Pavement Management System.	9
Future Sales Tax	High	High	Perform necessary rehabilitation on arterial streets as indicated through the Pavement Management System.	
Future Bond Program	High	High	Perform necessary rehabilitation on non-arterial streets as indicated through the Pavement Management System.	10
Future Sales Tax	High	High	Installation of new signage, durable pavement markings and delineation of medians to improve safety and congestion on arterial streets.	11
Water System Supply				
Water Enterprise	High	High	Ongoing projects to assess, rehabilitate, and repair raw water flowlines and associated facilities.	12
Water Enterprise	High	High	Ongoing program to protect and preserve the quality and integrity of the City's water supply, implement TMUA Policy for Land Acquisition, monitor water quality in the Spavinaw/Eucha and Oologah watersheds, identify and mitigate encroachments to the Spavinaw and Oologah flowlines, protect city assets and landowner rights, maintain water system security and provide surveying (as required) along the flowlines.	13
Water Enterprise	High	High	Implementation of the Court Master Agreement for the Spavinaw/Eucha watershed.	14
Water Enterprise	High	High	Repairs to the Tiawah Tunnel will consist of 1.) Filling the voids between the lining of the mined section of the tunnel; 2.) Installing reinforced concrete along 148 feet of unreinforce open-cut section of the tunnel; and 3.) Repair the delaminated and drummy concrete in the reinforce open-cut area using a cast-in-place concrete method for the areas identified in the 2015 inspection report.	15
Water Enterprise	High	High	The purpose of the project is to prevent the dam from sliding or overturning during a flood event. This project provides for investigating the need for major structural improvements to protect the dam during a major flood event.	16
Water Enterprise	High	High	Replace roof on Mohawk Pump Station No. 2.	17
Water Enterprise	High	High	Evaluate the ability of the raw water intertie at Bird Creek Pump Station to transfer water from either supply line and route to either water treatment plant. This project includes the rehabilitation/replacement of the site piping needed to make a transfer to either plant.	18
Water Enterprise	High	High	Evaluate and Inspect the horizontal turbine pump; the Engine Control Panel (ECP); the electrical switchgear; and evaluate the operational efficiency of the pump engines.	19
Water Enterprise	High	High	Evaluate and inspect the vertical turbine pump; inspect and redress the right angle drive; evaluate and upgrade the electrical switchgear; and evaluate the operational efficiency of the pumps and engines.	20

Ref.	Project	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
21	Lake Yahola Terminal Storage Repair	1,600	1,600					1,600
22	Raw Water Flowlines Repairs- Oologah	515		258		257		515
23	Raw Water Flowlines Oologah Stabilization Repair	1,200	1,200					1,200
Total Supply		\$ 275,151	\$ 6,842	\$ 2,811	\$ 18,885	\$ 1,751	\$ 1,520	\$ 31,809
<u>Treatment & Pumping</u>								
24	Mohawk WTP HSPS Rehabilitation and Improvements	6,500		6,500				6,500
25	A.B. Jewell Capacity Expansion to 150 MGD	29,394					1,272	1,272
26	A.B. Jewell WTP Clarifier Upgrades/Rehabilitation	16,483		7,197		7,636		14,833
27	A.B. Jewell Chemical Feed Facilities Improvements	3,061		211	450			661
28	Sodium Hydroxide Storage and Feed System Upgrade	728	619					619
29	Powdered Activated Carbon Feed System Upgrade	635	635					635
30	A.B. Jewell WTP Site Improvements	500	100	400				500
31	A.B. Jewell WTP Filter Gallery Pipe Replacement	371	371					371
32	A.B. Jewell WTP HSPS Power Resilience Evaluation	150	150					150
Total Treatment And Pumping		\$ 57,822	\$ 1,875	\$ 14,308	\$ 450	\$ 7,636	\$ 1,272	\$ 25,541
<u>Transmission & Distribution</u>								
33	Water Line Relocations-Citywide	53,700	850	900	600	950	950	4,250
34	Water Mains Replacements - City Wide	784,950			13,100	600		13,700
	Water Mains Replacements - City Wide	108,026	16,000	13,400	1,200	11,498	12,688	54,786
35	Water Mains Replacements - Less than 6-inch	25,538	3,323	3,323	3,323	3,323	3,323	16,615
36	Central Bus.Dist. Water Main Replacement	3,850	350	350	350	350	350	1,750
37	Dead-End Distribution Mains Connections	3,850	350	350	350	350	350	1,750
38	Water Vault & Large Meter Upgrades	1,400	200	200	200	200	200	1,000
39	Unserved Areas	1,700			100		100	200
40	Water Tanks - Repaint/Rehabilitation	97,794			2,317		2,387	4,704
41	Large Water Valve Replacement-City Wide	1,150	250	100	100	100	100	650
42	Economic Development Citywide	4,000	500	500	500	500	500	2,500

<u>Funding Source</u>	<u>FY20</u>	<u>FY19</u>	<u>Comments</u>	<u>Ref.</u>
Water Enterprise	High	High	Evaluate, design and reconstruct the intake tower in Lake Yahola (Sequoyah Cell) to manage the routing of raw water into the structure and to better manage the release or storing of water within the cells. Also, the and continue the routine maintenance and preventive inspection program which included the repair and patch of the concrete slope walls.	21
Water Enterprise	High	High	This project will provide the equipment and personal to inspect and assess the condition of the Oologah Raw Waterlines. Various tools are available for gathering this necessary data to thoroughly evaluate the condition of the pipelines. The investigation will begin at the Oologah Pump Station and proceed to know areas of concern. Entry points will be identified along the flowlines which will be used to gain access to the pipelines. The gathered data will be used to create assessment reports and help in the scheduling of repairs as needed.	22
Water Enterprise	High	High	Provide protection of the existing "Oologah Raw Waterline (RWL) and the surrounding channel banks where it crosses through Bird Creek from continued scour and erosion. This RWL is experiencing underwater erosion and where it surfaces at the channel banks where there is extensive erosion occurring. due to the extensive erosion at the channel banks, more of the RWL is being exposed. The plan is to stabilize the banks and cover the RWL with a concrete cap and riprap the channel banks.	23
<u>Treatment & Pumping</u>				
Water Enterprise	High	High	Detailed evaluation of VFD requirements; Replace one (1) 60-Inch Check Valve; Replace one (1) 30-inch and one (1) 36-inch isolation valve; Install two (2) New VFDs on Pump 9-P-6 & 9-P-10 with new motors.	24
Water Enterprise	High	High	Provide a firm treatment capacity of 150 MGD, including new raw water junction chamber.	25
Water Enterprise	High	High	Clarifier upgrades include retrofitting each existing basin to increase capacity to 40 MGD. Replacement of existing rapid mix, flocculation, and sludge collection equipment is included, as well as new inclined plate settlers equipment in each basin. Baffle upgrades, valve and gate replacements are also included.	26
Water Enterprise	High	High	Facilities identified for rehabilitation or replacement by EMA study. Includes PAC slurry system, chlorine system, chlorine scrubbers, and various chemical storage tanks and feed systems. Replace obsolete PAC with Silo style storage located closer to point of application; Upgrade chemical feed systems to coordinate with 30 MGD expansion.	27
Water Enterprise	High	High	The project consist of installing two (2) sodium hydroxide storage tanks, one transfer pump, one day tank, four feed pumps and associated control system and relocate it to the raw water chemical building immediately adjacent to the clear well injection points.	28
Water Enterprise	High	High	This project involves replacing the existing powdered activated carbon (PAC) feed system and storage location. Project will create individual PAC injection point to each clarifier(s) which will allow for a more tailored approach of addressing the taste and odor (T&O) and cyanotoxin removal that will be specific to each clarifier.	29
Water Enterprise	High	High	Projects will provide for improved security and added safety. 1). Install truck scales to improve the procedures for receiving bulk materials. 2). Reconfigure the entrance to plant to provide better security and flow of traffic. 3). Replace the "chemical trench" covers throughout the plant with a lighter weight material.	30
Water Enterprise	High	High	Provide improvements needed during maximum filter loading by identifying performance levels when seals begin to leak. Evaluate how and where water is flowing past piping seals during maximum filter loading and entering into the filter gallery. Project will need to determine the extent of damage done to the piping encased in the concrete walls and assess the structural integrity of these concrete walls. All facility piping and supports in the filter gallery are showing signs of rust and distress and will also need to be assessed.	31
Water Enterprise	High	High	Evaluate options which will make both, Mohawk and AB Jewell, water treatment plants (WTP) more resilient against failure in the event of a power loss from the two (2) PSO power sources to each WTP. These facilities depend wholly upon the PSO's for the electrical power. The intent of this study is to determine what methods are available and suitable to allow the plants to each produce a minimum of 30 MGD for an indefinite delivery period. Also, a look at "peaking" needs will be evaluated. Multi-option power sources from solar panels to emergency generators will be evaluated to compare the various performance metrics needed to operate these WTPs efficiently.	32
<u>Transmission & Distribution</u>				
Water Enterprise	High	High	Provide funding for ongoing program to relocate water lines associated with other City improvement projects.	33
Water Revenue Bond	High	High	Replace water lines that meet the replacement criteria and/or have excessive break histories. Priorities will be determined based on line condition, age, type of materials, and coordination with other infrastructure improvements in the area to maximize efficiency and minimize the impact to customers and businesses.	34
Water Enterprise	High	High	Replace water lines that meet the replacement criteria and/or have excessive break histories. Priorities will be determined based on line condition, age, type of materials, and coordination with other infrastructure improvements in the area to maximize efficiency and minimize the impact to customers and businesses.	35
Water Enterprise	High	High	Replace all waterline that are less than 6-inch in diameter on an established schedule to improve service and provide fire protection. The City currently has approximately 124 miles of 2-inch and smaller lines in service.	36
Water Enterprise	High	High	Replace waterlines in the Central Business District.	37
Water Enterprise	High	High	Elimination of dead end mains.	38
Water Enterprise	High	High	Ongoing program to replace water meters citywide to support revenue assurance policies.	39
Water Enterprise	High	High	Provide water service to unserved, developed areas in response to citizen petitions.	40
Water Enterprise	High	High	Program to maintain and rehabilitate above ground treated water storage tanks. Funding may also be used to modify tanks to improve circulation for chloramine disinfection.	41
Water Enterprise	High	High	Replace large water valves throughout water system.	42
Water Enterprise	High	High	This program will focus on key sites citywide as determined by the City of Tulsa's Office of Economic Development. These key sites will be prioritized for public infrastructure needs so as to be shovel ready to attract industrial development.	42

Ref.	Project	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
43	Cherokee Waterlines - 2025	7,900					800	800
44	23rd and Jackson Facilities Maintenance and Improvements	6,287	495	2,000	1,264	1,264	1,264	6,287
45	Automatic Meter Reading - City Wide	2,118		309		309		618
46	Transmission Line Condition Assessment	600	200		200			400
47	72" Transmission Main-A.B. Jewell to 129th E. Ave - Phase I	57,925	2,800					2,800
48	Pump Station Rehabilitation (Reservoir Hill PS and SSS-PS)	1,329			1,329			1,329
49	Facility Roof Repairs Citywide	3,000	600	600	600	600		2,400
50	Lead Service Line Inventory	2,168			690	728	750	2,168
Total Transmission And Distribution		\$ 1,167,285	\$ 25,918	\$ 22,032	\$ 26,223	\$ 20,772	\$ 23,762	\$ 118,707
Total Water System Projects		\$ 1,500,258	\$ 34,635	\$ 39,151	\$ 45,558	\$ 30,159	\$ 26,554	\$ 176,057
Sanitary Sewer System								
Northside Plant								
51	North Switchgear	2,064					614	614
Total Northside Plant		\$ 2,064	\$ -	\$ -	\$ -	\$ -	\$ 614	\$ 614
Northside Collection System								
52	Jones Creek Relief (91-N)	4,693		4,342				4,342
53	Douglas Creek Relief (97-N)	3,711			259	266		525
54	Flatrock West 9-N Relief	7,874			559	595		1,154
55	Coal Creek 103N Parallel Interceptor	1,284	93	1,191				1,284
56	Coal Creek Rehabilitation	825			310	257	258	825
Total Northside Collection System		\$ 18,387	\$ 93	\$ 5,533	\$ 1,128	\$ 1,118	\$ 258	\$ 8,130
Southside Plant								
57	Southside WWTP Peak Flow Plant Improvements	2,700	2,430					2,430
Total Southside Plant		\$ 2,700	\$ 2,430	\$ -	\$ -	\$ -	\$ -	\$ 2,430
Southside Collection System								
58	Junction Box 782 - Third River Crossing	1,010	9,360					9,360
59	Crow Creek Rehab & Relief	22,825	6,850	4,675	5,800	250	5,250	22,825
60	Joe Creek/Lafortune Park Rehab	5,420	360	5,060				5,420
61	RL Jones Riverside Airport - Sewer Eastside	6,047		4,640				4,640
62	71st Street Lift Station Electrical Upgrades	831	669					669
63	Southside WWTP Electrical Upgrades	3,619			758	2,861		3,619
64	Southside WWTP Digester MCC Replacement	843	843					843

Funding Source	FY20	FY19	Comments	Ref.
Water Enterprise	High	High	Construct 10,560 LF of 24-inch waterline from 106th Street North to 116th Street North along Harvard and Sheridan and 10,560 LF of 12-inch waterline between Harvard and Sheridan along 116th Street North. 5,280 LF of 12-inch waterline between 106th and 116th Street North along Yale to increase transmission and distribution capacity to support growth in Cherokee Industrial Park annexation area.	43
Water Enterprise	High	High	Ongoing program to maintain City-owned facilities located at 23rd and Jackson.	44
Water Enterprise	High	High	This project Installs Automatic Meter Reading (AMR) for new meter installations and all new commercial and 3-inch and larger meters are required to be AMR.	45
Water Enterprise	High	High	Monitor and evaluate transmission lines citywide. Funding may also be used to modify and improve entry for testing and monitoring.	46
Water Enterprise	High	High	Phase 1 of the project consists of a route study and determining the hydraulic of the chosen routes, the cost to operate and the cost to build. The constructed waterline will increase transmission and distribution system's capacity to deliver water to the Sheridan Tanks and to southern Tulsa at a lower costs.	47
Water Enterprise	High	High	Rehabilitation of the Reservoir Hill PS building and replacement of pumps and drives; piping modification and addition of a pump at the SSS-PS.	48
Water Enterprise	High	High	Repair or replace citywide water facility roofs that meet the requirement criteria or that have excessive leaks.	49
Water Enterprise	High	High	The project consists of a multi-year inspection of all water services to determine the service line material entering and exiting the meter can. The Oklahoma Department of Environmental Quality encourages all water systems to display a service line materials inventory to the public on the City of Tulsa webpage. The City of Tulsa has historically replaced lead services when we have encountered them, but Tulsa does not have a service line materials inventory. Due to limited resources in Water Distribution Systems, a project is needed for a contractor to identify and record service line material type for all water service accounts.	50
Sanitary Sewer System				
<u>Northside Plant</u>				
Sewer Enterprise	High	High	Replace North Switch Gear (NSG) and transformers at the Northside Wastewater Treatment Plant (NSWWTP) with new modern switchgear and transformers similar to what has been installed for the South Switchgear at the plant.	51
<u>Northside Collection System</u>				
State Sewer (FAP)	High	High	Provide additional capacity of Upper Mingo/Jones Creek Interceptor.	52
Sewer Enterprise	High	High	Douglas Creek 97-N Relief : The Douglas Creek interceptor serves Area 97-N. This project would build a relief line add capacity to overloaded lines. Engineering study would determine if a larger pipe would be used (with pipe bursting) or if a parallel line is needed. Likely recommendation is a larger pipe to mitigate I&I. REFERENCE COMP STUDY for pipe lengths.	53
Sewer Enterprise	High	High	Provide added capacity to overloaded lines.	54
State Sewer Loan	High	High	The scope is to line 325 LF of 24-inch and 36-inch RCP pipe with cured in place pipe (CIPP), or other City approved material; construct 900 LF of new 48-inch pipe, one (1) junction box & two (2) manholes due to a hydraulic bottle neck; and also rehabilitate two (2) manhole structures. It is anticipated that design and construction will occur in a single phase.	55
Sewer Enterprise	High	High	The project includes, pre- and post-rehab flow monitoring, hydraulic modeling, SSES, design, and construction. Existing, defective pipes in the area will be replaced or rehabilitated with construction that may be performed using pipe bursting, lining, or open cut as all are acceptable installation methods.	56
<u>Southside Plant</u>				
Sewer Enterprise	High	High	Improve the capacity of the Southside Wastewater Treatment Plant (SSWWTP) to receive peak wet weather treatment flows up to 84 mgd.	57
<u>Southside Collection System</u>				
State Sewer (FAP)	High	High	This project will construct approximately 1,900 linear feet of 42" pipe (Third river crossing pipe), in order to "reduce, eliminate and prevent" unpermitted discharges from occurring at Junction Box 782 (JB782) as noted in the August 19, 2015 ODEQ Notice of Violation S-20402-15-1.	58
Sewer Enterprise	High	High	The project consists of a multi-year rehab and replacement project in the Crow Creek basin of the Southslope wastewater collection system.	59
State Sewer Loan	High	High	The project consists of a multi-year rehab and replacement project in the Joe-LaFortune basin of the Southslope wastewater collection system. The remaining project activities include SSES, design, and construction.	60
State Sewer (FAP)	High	High	Construct a new interceptor sewer and sanitary sewer collection system to serve hangers on the east side of RL Jones Airport.	61
Sewer Enterprise	High	High	Replace existing motor control center (MCC) MCC-19 and variable frequency drives for the two washwater pumps and two raw water pumps. Project would also segregate incoming utility sources and create a main-tie-main MCC, further enhancing the electrical reliability of the lift station.	62
Sewer Enterprise	High	High	Reconfigure the electrical distribution system at the Southside WWTP, starting with the main incoming switchgear, in order to enhance reliability and upgrade equipment that is nearing the end of its useful service life. The project will involve replacing the main switchgear and re-arranging how downstream switchgear are fed.	63
Sewer Enterprise	High	High	Replace the motor control center (MCC) in the Digester Building at the Southside WWTP. Project requires the construction of a new MCC building to house the equipment in order to install the new equipment in an unclassified area for compliance with NFPA 820 Fire Protection in Wastewater Treatment and Collection Facilities.	64

Ref.	Project	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
65	Upper Joe Creek - West Branch	11,980		600	260	5,560	5,560	11,980
66	West Bank Lift Station Improvements	1,647				1,647		1,647
67	21st & Riverside Lift Station Improvements - Phase 2	1,351	1,351					1,351
68	Haikey Creek Interceptor Rehab	2,119	153	1,966				2,119
69	SE Basin West Leg Interceptor Rehab	6,120	3,261	2,859				6,120
Total Southside Collection		\$ 63,812	\$ 18,082	\$ 14,375	\$ 6,558	\$ 3,111	\$ 5,250	\$ 70,593
<u>Haikey Creek Plant</u>								
70	Haikey WWTP Primary Clarifier Addition	10,336			961	9,375		10,336
71	Haikey WWTP Anaerobic Digester Addition	16,828				16,828		16,828
	Haikey WWTP Anaerobic Digester Addition	1,622			1,622			1,622
72	Haikey Crk Lift Station Electrical Upgrades	113	113					113
73	Haikey Crk SAMS Replacement	6,325	751	568	489	504	519	2,831
74	Haikey Creek WWTP Electrical Load and Transformer Improvements	706	706					706
75	Dewatering Facility	3,583			284	3,299		3,583
Total Haikey Creek Plant		\$ 39,513	\$ 1,570	\$ 568	\$ 3,356	\$ 30,006	\$ 519	\$ 36,019
<u>Lower Bird Creek Collection System</u>								
76	Spunky Creek East Branch Contract 1	3,754				299	305	604
77	Spunky Creek Main Stem South Contract 2	15,000		7,500	7,500			15,000
Total Lower Bird Creek Collection System		\$ 18,754	\$ -	\$ 7,500	\$ 7,500	\$ 299	\$ 305	\$ 15,604
<u>Areawide Collection System</u>								
78	Sewer Rehab Area Wide	65,272	4,688	1,828	7,758	2,929	700	17,903
	Sewer Rehab Area Wide	55,356	4,400	2,483	746	2,900	8,800	19,329
79	Unsewered Areas Areawide	28,392		174	4,518	1,087	2,767	8,546
	Unsewered Areas Areawide	1,600				1,600		1,600
80	Concrete Pipe Replacement	38,560					5,259	5,259
	Concrete Pipe Replacement	19,550	4,673	4,813	4,958	5,106		19,550
81	Areawide Point Repairs	13,500	2,500	2,000	3,000	3,000	3,000	13,500
82	Lift Station Replacements or Upgrades	15,340	607	1,120	1,108	1,294	1,140	5,269
83	2008 Street Package - Sewer Rehab/Replacement	31,500	3,500	3,500			3,500	10,500
	2008 Street Package - Sewer Rehab/Replacement	7,000			3,500	3,500		7,000
84	Interceptor Corrosion Assessment	2,886	690	710	732	754		2,886
	Interceptor Corrosion Assessment	776					776	776
85	Force Main Condition Assessment	2,253	424	437	450	464	478	2,253
Total Areawide Collection System		\$ 281,985	\$ 21,058	\$ 16,628	\$ 26,320	\$ 22,170	\$ 26,420	\$ 114,371
Total Sanitary Sewer System Projects		\$ 427,215	\$ 48,422	\$ 50,466	\$ 45,572	\$ 64,375	\$ 38,926	\$ 247,761

Funding Source	FY20	FY19	Comments	Ref.
Sewer Enterprise	High	High	The project consists of a multi-year rehab and replacement project in the Upper Joe Creek basin of the Southslope wastewater collection system. The project includes, pre- and post-rehab flow monitoring, hydraulic modeling, SSES, design, and construction. Construction activities will include a mix of rehabilitation and capacity enhancements, depending on solutions that are determined to be most cost-effective during the flow monitoring and modeling phase of the project.	65
Sewer Enterprise	High	High	Includes major rehabilitation and/or replacement of the existing West Bank Lift Station. Rehabilitation scope identified in the TMUA Comp Assessment includes replacement of pumps and associated major equipment including grinders, gates valves, and the addition of air relief valves to address air locking.	66
Sewer Enterprise	High	High	Provide improved wet weather performance of the lift station. Phase 1 will be performed under the Areawide lift station program and focus on improvements to the slide gate, along with electrical and controls, and also include complete evaluation of lift station to generate final scope for Phase 2. Phase 2 will focus on design and construction of improvements to the 48-inch hydraulic influent isolation gate and control unit to limit wet weather flows to the wet well.	67
State Sewer Loan	High	High	The Haikey Creek Interceptor begins upstream along E. 87th Street east of S. Memorial Drive and ends downstream at the Haikey Creek Lift Station in the Park near E. 116th Street just east of Garnett Road. The scope is to line 5,324 LF of RCP pipe with cured in place pipe (CIPP), or other City approved material, and also rehabilitate four (4) manhole structures. It is anticipated that design and construction will occur in a single phase.	68
State Sewer Loan	High	High	The 48-inch prestressed concrete cylinder pipe (PCCP) interceptor starts at MH 122-0035 at the downstream and ends upstream at MH 126-0052 as a 36-inch PCCP pipe for a total length of 18,269 LF and 31 manhole structures. The scope is to line the PCCP pipe with centrifugally cast fiberglass reinforced polymer mortar (CCFRPM) pipe, or other City-approved material, perform one (1) point repair, and also rehabilitate all of the manhole structures due to corrosion.	69
<u>Haikey Creek Plant</u>				
Sewer Enterprise	High	High	Addition of primary clarifiers to increase plant capacity and improve sludge handling.	70
State Sewer Loan	High	High	Addition of anaerobic digesters to improve sludge handling.	71
Sewer Enterprise	High	High	Addition of anaerobic digesters to improve sludge handling.	
Sewer Enterprise	High	High	Project involves replacing two existing disconnect switches, one for each incoming power source, with new adjustable trip breakers, replacing the existing automatic transfer switches (that switches between incoming power sources), and replacing existing VFD/soft starter cabinets with 4 new VFD cabinets (one for each lift station pump).	72
Sewer Enterprise	High	High	Replacement of plant capital at Haikey Creek Waste Water Treatment Plant	73
Sewer Enterprise	High	High	Project involves replacing the main switchgear at the Haikey Creek WWTP with a new, arc resistant switchgear lineup. Project also involves replacing existing motor control centers (MCCs) H109-OPS1-MCC01, H109-OPS1-MCC02, MCC-1, and MCC-1A with new MCCs, as this equipment is near the end of its useful service life.	74
Sewer Enterprise	High	High	The dewatering equipment at the Haikey Creek WWTP has been out of service since 2006 and the process is in need of an overhaul. The dewatering facility will be needed in coordination with anaerobic digester construction in order to discontinue sludge hauling to the Southside WWTP. This project will include two refurbished and/or new belt filter presses, a third new belt filter press, electrical improvements, new dewatered cake conveyors and controls, belt filter press feed pump replacements, inline sludge grinders, a new complete polymer system, filtrate pump replacement, and upgrades to the HVAC system.	75
<u>Lower Bird Creek Collection System</u>				
Sewer Enterprise	High	High	The Spunky Creek East Branch parallels the Creek Turnpike and will provide sewer service to the area along the Creek Turnpike. Tributary lines run east from the interceptor to the Creek Turnpike and cross it.	76
Sewer Enterprise	High	High	Provide sewer to unserved area.	77
<u>Areawide Collection System</u>				
State Sewer (FAP)	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	78
Sewer Enterprise	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	
Sewer Enterprise	High	High	Unserved area projects.	79
State Sewer (FAP)	High	High	Unserved area projects.	
Sewer Enterprise	High	High	Reflects estimate of need for short term infrastructure reinvestment.	80
State Sewer (FAP)	High	High	Reflects estimate of need for short term infrastructure reinvestment.	
Sewer Enterprise	High	High	Reflects estimate of need for short term infrastructure reinvestment.	81
Sewer Enterprise	High	High	Annual repairs, pump replacements, etc. to the collection system lift stations.	82
Sewer Enterprise	High	High	Annual rehab and replacement of sewer areas.	83
State Sewer (FAP)	High	High	Annual rehab and replacement of sewer areas.	
State Sewer Loan	High	High	The scope of this BCE is to develop an asset management plan (AMP) in FY19 to perform condition assessment on the remaining 323,000 LF of large diameter concrete inteceptor based on criticality.	84
Sewer Enterprise	High	High	The scope of this BCE is to develop an asset management plan (AMP) in FY19 to perform condition assessment on the remaining 323,000 LF of large diameter concrete inteceptor based on criticality.	
Sewer Enterprise	High	High	The scope of this BCE is to develop an asset management plan in FY19 to perform future, annual condition assessment on collection system force mains based on criticality. Over 60 miles of force main are currently operated and maintained by SOM and WPC.	85

Ref.	Project	Est. Cost	FY20	FY21	FY22	FY23	FY24	Total
Flood Control								
86	Citywide - Urgent Small Drainage, Channel Erosion, Channel Rehabilitation, and Master Drainage Plans	26,000	6,000	5,000	5,000	5,000	5,000	26,000
	Citywide - Urgent Small Drainage, Channel Erosion, Channel Rehabilitation, and Master Drainage Plans	26,000	100	800	200			1,100
87	Citywide Urban Lake Maintenance	1,900	300	400	400			1,100
88	Elm Creek Flood Control	34,800	800	6,000	28,000			34,800
89	Hager Creek Diversion	22,000	2,000	3,000	3,000	7,000	7,000	22,000
90	Condition Assessment	15,000			5,000	5,000	5,000	15,000
	Total Flood Control Projects	\$ 125,700	\$ 9,200	\$ 15,200	\$ 41,600	\$ 17,000	\$ 17,000	\$ 100,000
Public Facilities Maintenance								
91	Citywide Public Facilities Maintenance	27,500	5,000	5,000	2,000	5,000	5,000	22,000
	Citywide Public Facilities Maintenance	17,500			2,750	2,000	2,000	6,750
	Total Public Facilities Maintenance Projects	\$ 45,000	\$ 5,000	\$ 5,000	\$ 4,750	\$ 7,000	\$ 7,000	\$ 28,750
TOTAL PUBLIC WORKS AND INFRASTRUCTURE PROJECTS		\$ 2,497,173	\$ 167,707	\$ 178,267	\$ 182,930	\$ 169,734	\$ 138,230	\$ 836,868
SOCIAL AND ECONOMIC DEVELOPMENT								
Economic Development Department								
92	Economic Development Infrastructure Fund	5,000	1,000	1,000	1,000	1,000	1,000	5,000
	Total Planning And Development Projects	\$ 5,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000
TOTAL SOCIAL AND ECONOMIC DEVELOPMENT PROJECTS		\$ 5,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000
TRANSPORTATION								
Metropolitan Tulsa Transit Authority								
93	Transit Buses	18,000	3,000	3,000	3,000	3,000	4,450	16,450
	Total Metropolitan Tulsa Transit Authority Projects	\$ 18,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 4,450	\$ 16,450
TOTAL TRANSPORTATION PROJECTS		\$ 18,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 4,450	\$ 16,450
Short Term & Bond Issuance								
94	Short Term Capital	24,000			6,000	6,000	6,000	18,000
	Short Term Capital	7,750	2,000	2,000				4,000
95	Bond Issuance Costs	250	50	50	50	50	50	250
	Total Short Term & Contracted Capital Projects	\$ 32,000	\$ 2,050	\$ 2,050	\$ 6,050	\$ 6,050	\$ 6,050	\$ 22,250
TOTAL ADMINISTRATIVE AND SUPPORT SERVICES PROJECTS		\$ 32,000	\$ 2,050	\$ 2,050	\$ 6,050	\$ 6,050	\$ 6,050	\$ 22,250
TOTAL CAPITAL PROJECTS INVENTORY		\$ 2,633,173	\$ 177,257	\$ 187,817	\$ 209,980	\$ 208,784	\$ 172,730	\$ 956,568

Funding Source	FY20	FY19	Comments	Ref.
				Flood Control
Storm Sewer Enterprise	High	High	Design and Construct projects for draiange problems located at various sites throughout the City.	86
Storm Sewer Revenue Bond	High	High	Design and Construct projects for draiange problems located at various sites throughout the City.	
Storm Sewer Revenue Bond	High	High	Perform needed dredging of various private lakes/ponds throughout the City.	87
Storm Sewer Revenue Bond	High	High	Construct detention pond in the Elm creek basin	88
Storm Sewer Revenue Bond	High	High	Alleviate flooding of 81st Street and the ponding water in Hager Creek.	89
Storm Sewer Revenue Bond	High	High	Rehabilitation/Replacement of existing infrastructure according to condition assessment.	90
				Public Facilities Maintenance
Future Bond Program	High	High	Major renovation of city facilities utilized by City personnel and the public at various locations citywide. Project consists of HVAC, plumbing and electrical system replacement, flooring and painting every 20 years. The amount of funding is needed to implement the program from 2017-2022 as presented to City Council. The annualized cost of the program is \$7,420,857.00.	91
Future Sales Tax	High	High	Major renovation of city facilities utilized by City personnel and the public at various locations citywide. Project consists of HVAC, plumbing and electrical system replacement, flooring and painting every 20 years. The amount of funding is needed to implement the program from 2017-2022 as presented to City Council. The annualized cost of the program is \$7,420,857.00.	
				SOCIAL AND ECONOMIC DEVELOPMENT Economic Development Department
Future Bond Program	High	High	Infrastructure assitance for high return economic development projects.	92
				TRANSPORTATION Metropolitan Tulsa Transit Authority
Future Bond Program	High	High	Replace Aging Vehicles.	93
				Short Term & Bond Issuance
Future Sales Tax	High	High	To replace miscellaneous capital equipment.	94
Future Bond Program	High	High	To replace miscellaneous capital equipment.	
Future Bond Program	High	High	Bond sale related costs.	95

