

SECTION 8

CIP SCHEDULE

This section of the document summarizes the departments' capital needs and provides funding and scheduling recommendations.

The Capital Improvements Plan (CIP) ordinance adopted by the City Council includes the five-year schedule.



ABOUT THE DISTRICT

Located just outside the eastern edge of downtown, the Pearl District is one of Tulsa's oldest and most diverse areas. Here you will find a healthy mix of restaurants, bars, breweries, retail shops and art galleries situated amongst some of Tulsa's oldest industry. Locals and visitors can spend time cruising a healthy stretch of Historic Route 66 or enjoy a picnic with a view of Tulsa's skyline at Centennial Park.





FISCAL YEARS 2021-2025 CAPITAL PLAN

In November of 2019; the Improve Our Tulsa (IOT) program that was originally authorized in 2013 was extended thru December 31, 2025. The extension adds an additional \$193.0 million in sales tax projects to the original \$564.0 million and adds \$427.0 million in general obligation bond funded street projects to the original \$355.0 million. The City has issued \$278.0 million of the original \$355.0 million and \$17.0 million from the newly authorized \$427.0 million. The remaining \$78.0 million will be issued in future years with the next series of the newly authorized bonds. 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 \$1.5 billion in the IOT I and II programs. 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. 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.

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 FY21 Capital Budget - Funded Programs Status and Operating Impact (Section 6) of this document, and includes a list of the proposed funding for FY21.

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 \$9.3 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 2021-2025 Capital Plan.

CAPITAL PLAN

FIVE-YEAR LEVEL OF RECOMMENDED FUNDING BY DEPARTMENT

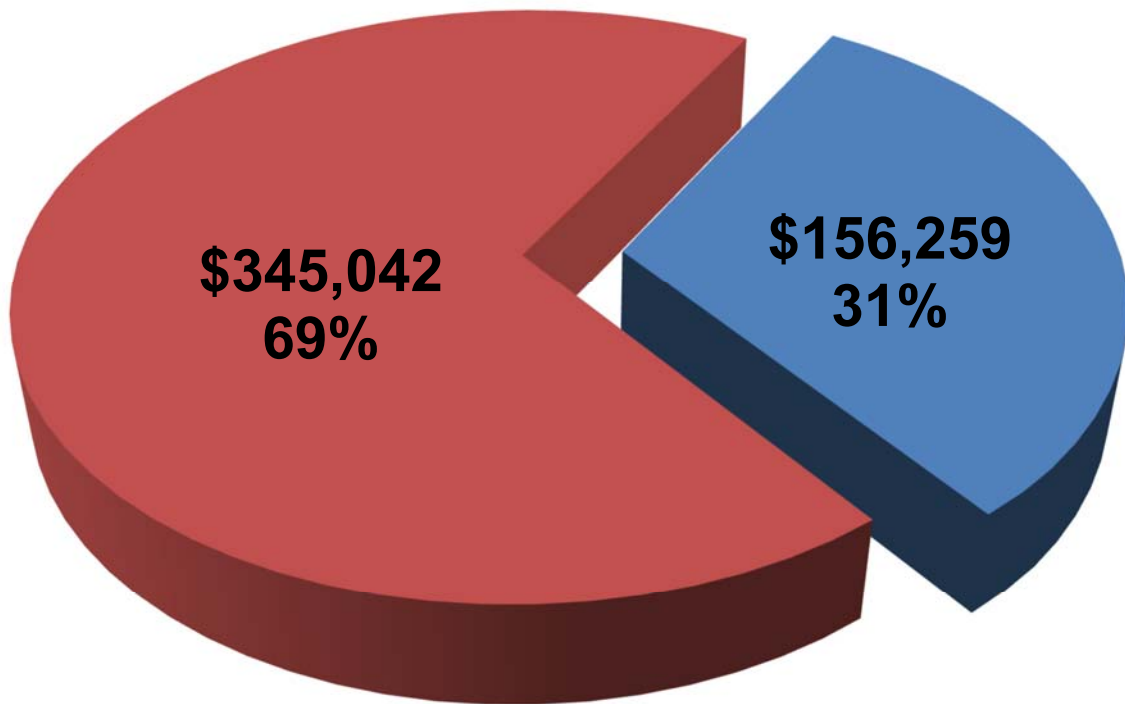
Fiscal Years 2021 – 2025

(amount expressed in thousands)

Project Type	Constrained Requests	FY21-25 Recommended Funding	Inventory Percent Funding	Total Percent Funding
Police Department Projects	\$ 4,960	\$ -	0%	0%
Fire Department Projects	49,693	-	0%	0%
Total Public Safety and Protection	\$ 54,653	\$ -	0%	0%
Park and Recreation Projects	56,326	-	0%	0%
Tulsa Zoo Projects	15,000	-	0%	0%
Gilcrease Museum Projects	10,981	-	0%	0%
Cox Business Center and BOK Center	6,797	-	0%	0%
Performing Arts Center	5,420	-	0%	0%
River Parks Projects	25,940	-	0%	0%
Total Cultural Development and Recreation	\$ 120,464	\$ -	0%	0%
Street and Expressway Projects	427,000	-	0%	0%
Water System Projects	616,659	138,669	22%	28%
Sanitary Sewer System Projects	395,959	245,632	61%	49%
Flood Control Projects	117,000	117,000	100%	23%
Facilities Maintenance Projects	59,715	-	0%	0%
Total Public Works and Development	\$ 1,616,333	\$ 501,301	31%	100%
Mayor's Office of Eco Development Projects	21,700	-	0%	0%
Working In Neighborhoods (WIN)	2,460	-	0%	0%
Total Social and Economic Development	\$ 24,160	\$ -	0%	0%
Tulsa Transit Projects	30,555	-	0%	0%
Total Transportation	\$ 30,555	\$ -	0%	0%
Information Technology Department	6,228	-	0%	0%
Equipment Management Projects	7,100	-	0%	0%
Short-Term & Contracted Capital Projects	70,850	-	0%	0%
Total Administrative and Support Services	\$ 84,178	\$ -	0%	0%
Total of All Capital Project Types	\$ 1,930,343	\$ 501,301	26%	100%

FY 2021 - 2025
RECOMMENDED CIP FUNDING
RENEWAL VS. GROWTH
(\$000)

Total \$501,301



■ 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, 2020 and 2014 Sales Tax Extension (Improve Our Tulsa I and II), 2020 and 2014 General Obligation Bond Program (Improve Our Tulsa I and II), 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.*

<u>PROGRAM/DEPARTMENT</u>	<u>Proposed 5-Year Funding</u>
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PUBLIC SAFETY AND PROTECTION

Police and E-911 Department **\$0 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 **\$0 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	\$0 million
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CULTURAL DEVELOPMENT AND RECREATION

Park and Recreation Department **\$0 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	\$0 million
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PUBLIC WORKS AND INFRASTRUCTURE

Streets and Expressways **\$0 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 **\$138.7 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>	\$245.6 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>	\$117.0 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>	\$0 million
Total Public Works and Infrastructure	\$501.3 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>	\$0 million
Total Social and Economic Development	\$0 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>	\$0 million
Total Transportation	\$0 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>	\$0 million
Total Administrative and Support Services	\$0 million
<u>TOTAL PROPOSED FIVE-YEAR FUNDING PROGRAM</u>	\$501.3 million

CAPITAL PLAN

CITY OF TULSA

FISCAL YEARS 2021-2025 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	FY21	FY22	FY23	FY24	FY25	Total
Police Department Projects	\$ 4,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Department Projects	49,693	-	-	-	-	-	-
Total Public Safety and Protection	\$ 54,653	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Park and Recreation Department Projects	56,326	-	-	-	-	-	-
Tulsa Zoo Projects	15,000	-	-	-	-	-	-
Gilcrease Museum Projects	10,981	-	-	-	-	-	-
CBC/BOK Projects	6,797	-	-	-	-	-	-
Performing Arts Center Projects	5,420	-	-	-	-	-	-
River Parks Projects	25,940	-	-	-	-	-	-
Total Cultural Devel. and Recreation	\$ 120,464	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Street and Expressway Projects	427,000	-	-	-	-	-	-
Water System Projects	616,659	27,300	21,297	44,606	23,113	22,353	138,669
Sanitary Sewer System Projects	395,959	43,478	51,209	56,873	46,262	47,810	245,632
Flood Control Projects	117,000	5,000	42,000	38,000	16,000	16,000	117,000
Facilities Maintenance Projects	59,715	-	-	-	-	-	-
Total Public Works	\$ 1,616,333	\$ 75,778	\$ 114,506	\$ 139,479	\$ 85,375	\$ 86,163	\$ 501,301
Mayor's Office of Economic Development	21,700	-	-	-	-	-	-
Working In Neighborhoods (WIN) Projects	2,460	-	-	-	-	-	-
Total Social and Economic Development	\$ 24,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Metropolitan Tulsa Transit Authority Projects	30,555	-	-	-	-	-	-
Total Transportation	\$ 30,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Information Technology Projects	6,228	-	-	-	-	-	-
Equipment Management Projects	7,100	-	-	-	-	-	-
Short Term & Contracted Capital Projects	70,850	-	-	-	-	-	-
Total Administrative and Support	\$ 84,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total of All Capital Project Types	\$ 1,930,343	\$ 75,778	\$ 114,506	\$ 1139,479	\$ 85,375	\$ 86,163	\$ 501,301

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 2021-2025 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>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>Total</u>
Future Bond Program	\$ 427,850	\$ -	\$ -	\$ -	\$ -	\$ -	-
Future Sales Tax Program	372,875	-	-	-	-	-	-
Water Enterprise	616,659	27,300	21,297	44,606	23,113	22,353	138,669
State Sewer (FAP)	133,868	12,300	16,747	8,406	10,500	11,617	60,070
Sewer Enterprise	228,614	28,021	22,870	27,008	32,121	32,121	139,722
State Sewer Loan	33,477	3,157	11,592	21,459	4,072	4,072	45,840
Storm Sewer Enterprise	23,000	5,000	4,500	4,500	4,500	4,500	23,000
Storm Sewer Rev Bonds	94,000	-	37,500	33,500	11,500	11,500	94,000
Total Funding by Source	\$ 1,930,343	\$ 75,778	\$ 114,506	\$ 139,479	\$ 85,375	\$ 86,163	\$ 501,301

* 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 2021 – 2025
(amount expressed in thousands)

Project Type	Constrained Inventory	Unconstrained Inventory	Total
Police Department Projects	\$ 4,960	\$ 96,636	\$ 101,596
Fire Department Projects	49,693	91,637	141,330
Total Public Safety and Protection	\$ 54,653	\$ 188,273	\$ 242,926
Park and Recreation Projects	56,326	87,216	143,542
Tulsa Zoo Projects	15,000	42,250	57,250
Gilcrease Museum Projects	10,981	5,614	16,595
Cox Business Center and BOK Center	6,797	6,689	13,486
Performing Arts Center	5,420	251,000	256,420
River Parks Projects	25,940	98,529	124,469
Total Cultural Development and Recreation	\$ 120,464	\$ 491,299	\$ 611,763
Street and Expressway Projects	427,000	3,405,420	3,832,420
Water System Projects	616,659	688,793	1,305,452
Sanitary Sewer System Projects	395,959	133,587	529,546
Flood Control Projects	117,000	332,262	449,262
Facilities Maintenance Projects	59,715	280,236	339,951
Total Public Works and Development	\$ 1,616,333	\$ 4,840,298	\$ 6,456,631
Mayor's Office of Eco Development Projects	21,700	878,342	900,042
Working In Neighborhoods (WIN) Projects	2,460	3,386	5,846
Total Social and Economic Development	\$ 24,160	\$ 881,728	\$ 905,888
Tulsa Transit Projects	30,555	45,065	75,620
Total Transportation	\$ 30,555	\$ 45,065	\$ 75,620
Information Technology Department Projects	6,228	14,320	20,548
Equipment Management Projects	7,100	21,848	28,948
Short Term & Contracted Capital Projects	70,850	915,621	986,471
Total Administrative and Support Services	\$ 84,178	\$ 951,790	\$ 1,035,968
Total of All Capital Project Types	\$ 1,930,343	\$ 7,398,453	\$ 9,328,796

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CITY OF TULSA
FISCAL YEARS 2021-2025 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	FY21	FY22	FY23	FY24	FY25	Total
PUBLIC SAFETY & PROTECTION								
Police Department								
1	Future Unfunded Projects	\$ 4,960						\$ -
	Total Police Department Projects	\$ 4,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire Department								
2	Future Unfunded Projects	49,693						-
	Total Fire Department Projects	\$ 49,693	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL PUBLIC SAFETY AND PROTECTION PROJECTS								
CULTURAL DEVELOPMENT & RECREATION								
Park And Recreation Department								
3	Future Unfunded Projects	56,326						-
	Total Parks And Recreation Department Projects	\$ 56,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tulsa Zoo								
4	Future Unfunded Projects	15,000						-
	Total Zoo Projects	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Gilcrease Museum								
5	Future Unfunded Projects	10,981						-
	Total Gilcrease Projects	\$ 10,981	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Convention Center and BOK								
6	Future Unfunded Projects	6,797						-
	Total Convention Center and BOK	\$ 6,797	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Performing Arts Center Department								
7	Future Unfunded Projects	5,420						-
	Total Performing Arts Center Department Projects	\$ 5,420	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
River Parks								
8	Future Unfunded Projects	25,940						-
	Total River Parks Projects	\$ 25,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CULTURAL DEVELOPMENT & RECREATION PROJECTS								
PUBLIC WORKS AND INFRASTRUCTURE								
Expressways, Streets, Bridges And Trails Projects								
9	Future Unfunded Projects	122,000						-
	Total Express, Streets, Bridges, Trails	\$ 122,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Major Rehabilitation								
10	Future Unfunded Projects	296,000						-
	Total Major Rehabilitation	\$ 296,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Traffic Engineering								
11	Future Unfunded Projects	9,000						-
	Total Traffic Engineering	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Streets And Expressway Projects								
Water System Supply								
12	Raw Water Flowlines Repairs- Spavinaw	82,500	250		250		250	750
13	Source Water Protection and Management Program	80,321	772	803	820	824	830	4,049
14	Eucha, Spavinaw Water Quality Court Master	62,000	610	630	650	670	690	3,250
15	Raw Water Flowline Repairs Tiawah Tunnel	2,500	2,500					2,500
16	Eucha Dam Anchoring	17,165	1,200		15,965			17,165
17	Woods Pump Station Refurbishment	2,920		50	500			550

CITY OF TULSA
FISCAL YEARS 2021-2025 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.
	FY21	FY20		
PUBLIC SAFETY & PROTECTION				
Police Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	1
Fire Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	2
CULTURAL DEVELOPMENT & RECREATION				
Park And Recreation Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	3
Tulsa Zoo				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	4
Gilcrease Museum				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	5
Convention Center and BOK				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	6
Performing Arts Center Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	7
River Parks				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	8
PUBLIC WORKS AND INFRASTRUCTURE				
<u>Expressways, Streets, Bridges And Trails Projects</u>				
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	9
<u>Major Rehabilitation</u>				
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	10
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	11
Water System				
<u>Supply</u>				
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	Evaluate and Inspect the horizontal turbine pump; the Engine Control Panel (ECP); the electrical switchgear; and evaluate the operational efficiency of the pump engines.	17

Ref.	Project	Est. Cost	FY21	FY22	FY23	FY24	FY25	Total
18	Grand River Pump Station Refurbishment	4,320		70	700			770
19	Raw Water Flowlines Repairs- Oologah	750	250		250		250	750
Total Supply		\$ 252,476	\$ 5,582	\$ 1,553	\$ 19,135	\$ 1,494	\$ 2,020	\$ 29,784
Treatment & Pumping								
20	Mohawk WTP HSPS Rehabilitation and Improvements	11,600	6,500					6,500
21	A.B. Jewell Capacity Expansion to 150 MGD	29,934					1,272	1,272
22	A.B. Jewell WTP Clarifier Upgrades/Rehabilitation	16,132	7,196		7,636			14,832
23	A.B. Jewell Chemical Feed Facilities Improvements	3,042	205	437				642
24	A.B. Jewell WTP Site Improvements	500	400					400
25	A.B. Jewell WTP Filter Gallery Pipe Replacement	1,497			1,126			1,126
26	A.B. Jewell WTP Residual Handling, Thickening	8,361					1,016	1,016
Total Treatment And Pumping		\$ 62,705	\$ 14,301	\$ 437	\$ 8,762	\$ -	\$ 2,288	\$ 25,788
Transmission & Distribution								
27	Water Line Relocations-Citywide	53,850	900	900	950	950	950	4,650
28	Water Mains Replacements - City Wide	97,937		11,163	11,498	12,688	13,088	48,437
29	Dead-End Distribution Mains Connections	3,500	350	350	350	350	350	1,750
30	Water Vault & Large Meter Upgrades	2,400	200	200	200	200	200	1,000
31	Unserved Areas	1,600				100		100
32	Water Tanks - Repaint/Rehabilitation	98,567		2,250		2,317		4,567
33	Large Water Valve Replacement-City Wide	1,050	100	100	100	100	100	500
34	Economic Development Citywide	6,000	500	500	500	500	500	2,500
35	Cherokee Waterlines - 2025	7,900				800	1,775	2,575
36	23rd and Jackson Facilities Maintenance and Improvements	6,287	2,000	1,264	1,264	1,264		5,792
37	Automatic Meter Reading - City Wide	2,138	319		319			638
38	Transmission Line Condition Assessment	1,000	400		200		200	800
40	Pump Station Rehabilitation (Reservoir Hill PS and SSS-PS)	1,290		1,290				1,290
41	Facility Roof Repairs Citywide	3,000	600	600	600	600		2,400
42	Lead Service Line Inventory	2,941		690	728	750	773	2,941

Funding Source	FY21	FY20	Comments	Ref.
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.	18
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.	19
<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.	20
Water Enterprise	High	High	Provide a firm treatment capacity of 150 MGD, including new raw water junction chamber.	21
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.	22
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.	23
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.	24
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.	25
Water Enterprise	High	High	Construction includes the following: 1) Capacity expansion by the addition of a gravity thickener; 2) upgrades to the polymer systems; and 3) other improvements includes paving of access road for sludge removal and emergency egress from the WTP as well as lagoon improvements and covering of the sludge storage area.	26
<u>Transmission & Distribution</u>				
Water Enterprise	High	High	Provide funding for ongoing program to relocate water lines associated with other City improvement projects.	27
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.	28
Water Enterprise	High	High	Elimination of dead end mains.	29
Water Enterprise	High	High	Ongoing program to replace water meters citywide to support revenue assurance policies.	30
Water Enterprise	High	High	Provide water service to unserved, developed areas in response to citizen petitions.	31
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.	32
Water Enterprise	High	High	Replace large water valves throughout water system.	33
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.	34
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.	35
Water Enterprise	High	High	Ongoing program to maintain City-owned facilities located at 23rd and Jackson.	36
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.	37
Water Enterprise	High	High	Monitor and evaluate transmission lines citywide. Funding may also be used to modify and improve entry for testing and monitoring.	38
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.	40
Water Enterprise	High	High	Repair or replace citywide water facility roofs that meet the requirement criteria or that have excessive leaks.	41
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.	42

Ref.	Project	Est. Cost	FY21	FY22	FY23	FY24	FY25	Total
43	Utility Bridges - Repaint/Rehabilitation	609					109	109
44	Emergency Waterline Repair Contract	2,000	1,000			1,000		2,000
45	River West Choice Neighborhood Improvements	1,048	1,048					1,048
Total Transmission And Distribution		\$ 293,117	\$ 7,417	\$ 19,307	\$ 16,709	\$ 21,619	\$ 18,045	\$ 83,097
Total Water System Projects		\$ 616,659	\$ 27,300	\$ 21,297	\$ 44,606	\$ 23,113	\$ 22,353	\$ 138,669
Sanitary Sewer System								
Northside Plant								
46	North Switchgear	2,792	545					545
	North Switchgear			2,247				2,247
47	Northside WWTP FEB Concrete/Structural Repair	464					464	464
Total Northside Plant		\$ 3,256	\$ 545	\$ 2,247	\$ -	\$ -	\$ 464	\$ 3,256
Northside Collection System								
48	Northside Interceptor Improvements	4,596				574	4,022	4,596
49	Jones Creek Relief (91-N)	4,342		4,342				4,342
50	Douglas Creek Relief (97-N)	525		259	266			525
	Douglas Creek Relief (97-N)	3,282					3,282	3,282
51	Mill Creek 92/95-N-Relief	525					525	525
52	Coal Creek 103N Parallel Interceptor	1,284	1,191					1,191
53	Coal Creek Rehabilitation	4,301		310	257	258	3,476	4,301
Total Northside Collection System		\$ 14,259	\$ 1,191	\$ 4,911	\$ 523	\$ 832	\$ 11,305	\$ 18,762
Southside Collection System								
54	Crow Creek Rehab & Relief	15,175	4,675		250	5,250	5,000	15,175
	Crow Creek Rehab & Relief	5,800		5,800				5,800
55	Joe Creek/Lafortune Park Rehab	5,420		5,060				5,060
56	Southside WWTP Electrical Upgrades	3,728			781	2,947		3,728
57	Upper Joe Creek - East Branch	6,006	600	260			5,146	6,006
	Upper Joe Creek - East Branch	11,120			5,560	5,560		11,120
58	West Bank Lift Station Improvements	1,553	194	1,359				1,553
59	21st & Riverside Lift Station Improvements - Phase 2	4,429		3,078				3,078

Funding Source	FY21	FY20	Comments	Ref.
Water Enterprise	High	High	This project will provide maintenance as needed for the Utility Bridges with City waterlines.	43
Water Enterprise	High	High	Provide funding for emergency waterline repair in addition to inhouse repair crews.	44
Water Enterprise	High	High	Construct new water distribution lines and connections as needed to serve 460 apartment units which will be constructed under six (6) phases. 229 of these apartments will be replacement units and 231 will be new units. These apartments are located between S. Jackson Ave & Southwest Blvd and 21st Street & 23rd Street. TMUA is being asked to participate in the costs to relocate, rehabilitate and replace waterlines within the proposed 25-acre development area.	45
Sanitary Sewer System				
Northside Plant				
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.	46
State Sewer (FAP)	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.	
Sewer Enterprise	High	High	Condition (Physical) Assessment of Northside FEB was authorized by ES 2017-04 with Notice to Proceed dated January 18, 2018 to identify and quantify basin and structural system repairs with the concentration of the concrete and asphalt surface improvements to schedule funding sequence to produce bid plans and specifications necessary to competitively bid said improvements to restore Northside FEB to its original designed physical conditions. Condition Assessment recommendations, conclusions, and costs contained in 2018 Keithline Engineering Phase 1 Condition Assessment Report - Flow Equalization Basin Joint and Crack Repairs, ES 2017-04. Electrical, conveyance, support, and mechanical system condition assessments were not included. Other system assessments and parameter improvements were not part of this project.	47
Northside Collection System				
Sewer Enterprise	High	High	The interceptor starts at Interceptor Lift Station (No. 5) at the downstream and the study ended at MH 101-0004 at the upstream. 12,025 LF of 66-inch reinforced concrete pipe (RCP) pipe was assessed and 10,943 LF of 60-inch RCP was assessed. The scope is to line 6,831 LF of RCP with cured in place pipe (CIPP), centrifugally cast fiberglass reinforced polymer mortar (CCFRPM) pipe, or other City approved material, externally pressure grout three (3) pipe joints, and perform heavy cleaning if necessary. It is anticipated that design and construction will occur in two (2) phases - one for 66-inch and one for 60-inch rehabilitation.	48
State Sewer (FAP)	High	High	Provide additional capacity of Upper Mingo/Jones Creek Interceptor.	49
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.	50
State Sewer Loan	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.	
Sewer Enterprise	High	High	Construct additional capacity to relieve overloaded lines. This line will be a replacement with a new line. Work will be performed using pipe burst, slip-lining, or open cut as all are acceptable installation methods.	51
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.	52
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.	53
Southside Collection System				
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.	54
State Sewer Loan	High	High	The project consists of a multi-year rehab and replacement project in the Crow Creek basin of the Southslope wastewater collection system.	
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.	55
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.	56
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.	57
State Sewer Loan	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.	
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.	58
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.	59

Ref.	Project	Est. Cost	FY21	FY22	FY23	FY24	FY25	Total
60	Haikey Creek Interceptor Rehab	2,119	1,966					1,966
61	SE Basin West Leg Interceptor Rehab	6,120	2,859					2,859
62	Riverwest Choice Neighborhoods	1,800	1,800					1,800
Total Southside Collection		\$ 61,470	\$ 12,094	\$ 15,557	\$ 6,591	\$ 13,757	\$ 10,146	\$ 58,145
Haikey Creek Plant								
63	Haikey WWTP Primary Clarifier Addition	9,397		874	8,523			9,397
64	Haikey WWTP Anaerobic Digester Addition	16,620		1,475				1,475
	Haikey WWTP Anaerobic Digester Addition				15,145			15,145
65	Haikey WWTP Lift Station Improvements - Phase 2,3,4	925					925	925
66	Haikey Crk SAMS Replacement	5,670	568	489	504	519	535	2,615
67	Haikey Creek Oxidation Ditch Demolition	418					418	418
68	Dewatering Facility	3,227		258	2,969			3,227
Total Haikey Creek Plant		\$ 36,257	\$ 568	\$ 3,096	\$ 27,141	\$ 519	\$ 1,878	\$ 33,202
Lower Bird Creek Collection System								
69	Spunky Creek East Branch Contract 1	318					318	318
70	Spunky Creek Main Stem South Contract 1-5	15,000	7,500			7,500		15,000
Total Lower Bird Creek Collection System		\$ 15,318	\$ 7,500	\$ -	\$ -	\$ 7,500	\$ 318	\$ 15,318
Areawide Collection System								
71	Sewer Rehab Area Wide	114,526	4,800	1,700	3,300	3,000	2,700	15,500
	Sewer Rehab Area Wide		3,200	6,800	5,200	6,500	6,800	28,500
72	Unsewered Areas Areawide	3,150		3,150				3,150
73	Concrete Pipe Replacement	53,573	4,813			5,260		10,073
	Concrete Pipe Replacement			4,958	5,106		5,417	15,481
74	Areawide Point Repairs	29,500	3,000	3,000	3,000	3,000	3,000	15,000
75	Lift Station Replacements or Upgrades	13,949	1,120	1,108	1,294	1,140	1,000	5,662
76	2008 Street Package - Sewer Rehab/Replacement	35,000	3,500		3,500	3,500		10,500
	2008 Street Package - Sewer Rehab/Replacement			3,500			3,500	7,000
77	Interceptor Corrosion Assessment	4,452		732	754		790	2,276
	Interceptor Corrosion Assessment		710			776		1,486
78	Force Main Condition Assessment	4,853	437	450	464	478	492	2,321
Total Areawide Collection System		\$ 259,003	\$ 21,580	\$ 25,398	\$ 22,618	\$ 23,654	\$ 23,699	\$ 116,949
Total Sanitary Sewer System Projects		\$ 395,959	\$ 43,478	\$ 51,209	\$ 56,873	\$ 46,262	\$ 47,810	\$ 245,632
Flood Control								
79	Funded Transportation Projects	1,600	100	300	400	400	400	1,600
	Funded Transportation Projects	12,000				6,000	6,000	12,000
80	Urgent Small Drainage Projects	2,550	750	350	450	450	550	2,550
81	Citywide - Channel Erosion and Stabilization	7,700	750	600	1,350	1,600	3,400	7,700
82	Citywide Culvert Replacement	2,650	650	850	100	1,000	50	2,650

<u>Funding Source</u>	<u>FY21</u>	<u>FY20</u>	<u>Comments</u>	<u>Ref.</u>
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.	60
Sewer Enterprise	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.	61
Sewer Enterprise	High	High	The Housing Authority and the City of Tulsa recently received a Choice Neighborhoods Implementation grant in the amount of \$30 million. This will be used for construction of 460 new apartments over six (6) phases between S. Jackson Ave & Southwest Blvd and 21st Street & 23rd Street. It also provides for additional parks, amenities, and a neighborhood grocery store. 229 apartments will be replacement units and 231 will be low-income tax credit and market rate units. TMUA will be asked to participate in the sanitary sewer relocations, rehabilitation and replacement pipes for the 25-acre development area.	62
<u>Haikey Creek Plant</u>				
Sewer Enterprise	High	High	Addition of primary clarifiers to increase plant capacity and improve sludge handling.	63
Sewer Enterprise	High	High	Addition of anaerobic digesters to improve sludge handling.	64
State Sewer Loan	High	High	Addition of anaerobic digesters to improve sludge handling.	
Sewer Enterprise	High	High	Provide improved wet weather performance of the lift station. Phase 1, 2 and 3 Improvements are mostly complete. This project scope is described as Phase 4 Improvements in February 2012 study. It includes the design and construction of a new submersible lift station to supplement and work in tandem with the existing lift station to increase firm pumping capacity to 41.9 MGD (sizing to be confirmed during design phase). Selected consultant for Phase 4 shall provide a business case evaluation for the final Phase 5 Improvements as part of design scope.	65
Sewer Enterprise	High	High	Replacement of plant capital at Haikey Creek Waste Water Treatment Plant	66
Sewer Enterprise	High	High	This demolition project was bid as an alternate item to the new activated sludge aeration basin replacement project ES 2016-01 in June 2019 and not awarded due to budget constraints. Scope includes demolition and removal of the existing oxidation ditches.	67
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.	68
<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.	69
State Sewer (FAP)	High	High	Southern extension of the Spunky Creek wastewater system.	70
<u>Areawide Collection System</u>				
State Sewer (FAP)	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	71
Sewer Enterprise	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	
Sewer Enterprise	High	High	Unserved area projects.	72
Sewer Enterprise	High	High	Reflects estimate of need for short term infrastructure reinvestment.	73
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.	74
Sewer Enterprise	High	High	Annual repairs, pump replacements, etc. to the collection system lift stations.	75
Sewer Enterprise	High	High	Annual rehab and replacement of sewer areas.	76
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.	77
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.	78
<u>Flood Control</u>				
Storm Sewer Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	79
Storm Sewer Revenue Bond	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	
Storm Sewer Enterprise	High	High	Design and Construct projects for draiange problems located at various sites throughout the City.	80
Storm Sewer Enterprise	High	High	Unmaintained natural creeks and deferred maintenance of improved channels threatens public safety and property.	81
Storm Sewer Enterprise	High	High	Roads will continue to flood and fail around creeks/culverts which threaten life and impede emergency vehicles. Replacement needs based on Citywide Condition Assessment.	82

Ref.	Project	Est. Cost	FY21	FY22	FY23	FY24	FY25	Total
83	Citywide Storm Sewer Extensions	2,225	800	600	575	250	-	2,225
	Citywide Storm Sewer Extensions	22,000		5,500	5,500	5,500	5,500	22,000
84	Citywide Concrete Channel Rehabilitation	2,800	1,100	500	1,100	50	50	2,800
85	Citywide Detention Pond Rehabilitation	3,475	850	1,300	525	750	50	3,475
86	Hager Creek Diversion	20,000		20,000				20,000
87	Elm Creek Flood Control	34,000		6,000	28,000			34,000
88	4th & Kenosha Storm Sewer Improvements	6,000		6,000				6,000
	Total Flood Control Projects	\$ 117,000	\$ 5,000	\$ 42,000	\$ 38,000	\$ 16,000	\$ 16,000	\$ 117,000
	Public Facilities Maintenance							
88	Future Unfunded Projects	59,715						-
	Total Public Facilities Maintenance Projects	\$ 59,715	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL PUBLIC WORKS AND INFRASTRUCTURE PROJECTS	\$ 1,616,333	\$ 75,778	\$ 114,506	\$ 139,479	\$ 85,375	\$ 86,163	\$ 501,301
	SOCIAL AND ECONOMIC DEVELOPMENT							
	Working In Neighborhoods (Win)							
89	Future Unfunded Projects	2,460						-
	Total Working In Neighborhoods Projects	\$ 2,460	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Economic Development Department							
90	Future Unfunded Projects	21,700						-
	Total Planning And Development Projects	\$ 21,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL SOCIAL AND ECONOMIC DEVELOPMENT PROJECTS	\$ 24,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TRANSPORTATION							
	Metropolitan Tulsa Transit Authority							
91	Future Unfunded Projects	30,555						-
	Total Metropolitan Tulsa Transit Authority Projects	\$ 30,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL TRANSPORTATION PROJECTS	\$ 30,555	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	ADMINISTRATIVE AND SUPPORT SERVICES							
	Information Technology Department							
92	Future Unfunded Projects	6,228						-
	Total Information Technology Department Projects	\$ 6,228	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Asset Management Department							
93	Future Unfunded Projects	7,100						-
	Total Equipment Management Projects	\$ 7,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Short Term & Bond Issuance							
94	Short Term Capital	70,000						-
95	Bond Issuance Costs	850						-
	Total Short Term & Contracted Capital Projects	\$ 70,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL ADMINISTRATIVE AND SUPPORT SERVICES PROJECTS	\$ 84,178	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	TOTAL CAPITAL PROJECTS INVENTORY	\$ 1,930,343	\$ 75,778	\$ 114,506	\$ 139,479	\$ 85,375	\$ 86,163	\$ 501,301

Funding Source	FY21	FY20	Comments	Ref.
Storm Sewer Enterprise	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	83
Storm Sewer Revenue Bond	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	
Storm Sewer Enterprise	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	84
Storm Sewer Enterprise	High	High	City maintained ponds continue to degrade increasing cost of repairs every year deferred. Increased chance of failure causes flooding downstream.	85
Storm Sewer Revenue Bond	High	High	Construct outfall to Arkansas River.	86
Storm Sewer Revenue Bond	High	High	Construct master drainage plan planned West Pond.	87
Storm Sewer Revenue Bond	High	High	Construct master drainage plan improvements.	88
Public Facilities Maintenance				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	88
SOCIAL AND ECONOMIC DEVELOPMENT				
Working in Neighborhoods (Win)				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	89
Economic Development Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	90
TRANSPORTATION				
Metropolitan Tulsa Transit Authority				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	91
ADMINISTRATIVE AND SUPPORT SERVICES				
Information Technology Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	92
Asset Management Department				
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	93
Short Term & Bond Issuance				
Future Sales Tax	High	High	To replace miscellaneous capital equipment.	94
Future Bond Program	High	High	Bond sale related costs.	95