PUBLIC SERVICE

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.

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CITY OF Tulsa
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FISCAL YEARS 2024-2028 CAPITAL PLAN

In November of 2019 the Improve Our Tulsa (IOT) program originally authorized in 2013 was extended through December 31, 2025. The extension adds $427.0 million in general obligation bond funded street projects to the original $355.0 million. The City has issued $306.6 million of the original $355.0 million and $91.4 million from the newly authorized $427.0 million. The remaining $384.0 million will be issued in future years with the next series of the newly authorized bonds. The Mayor and City Council share a commitment to improving the condition of our roadways and providing funds for critical services such as public safety, federal mandates, building code, and short-term capital needs. Goals identified in PlaniTulsa, the City's comprehensive plan, 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 slightly 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, alone, 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%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 the appropriations to fund these improvements are complete. Information about these programs is contained in the FY23 Capital Budget - Funded Programs Status and Operating Impact (Section 6) of this document and includes a list of the proposed funding for FY23.

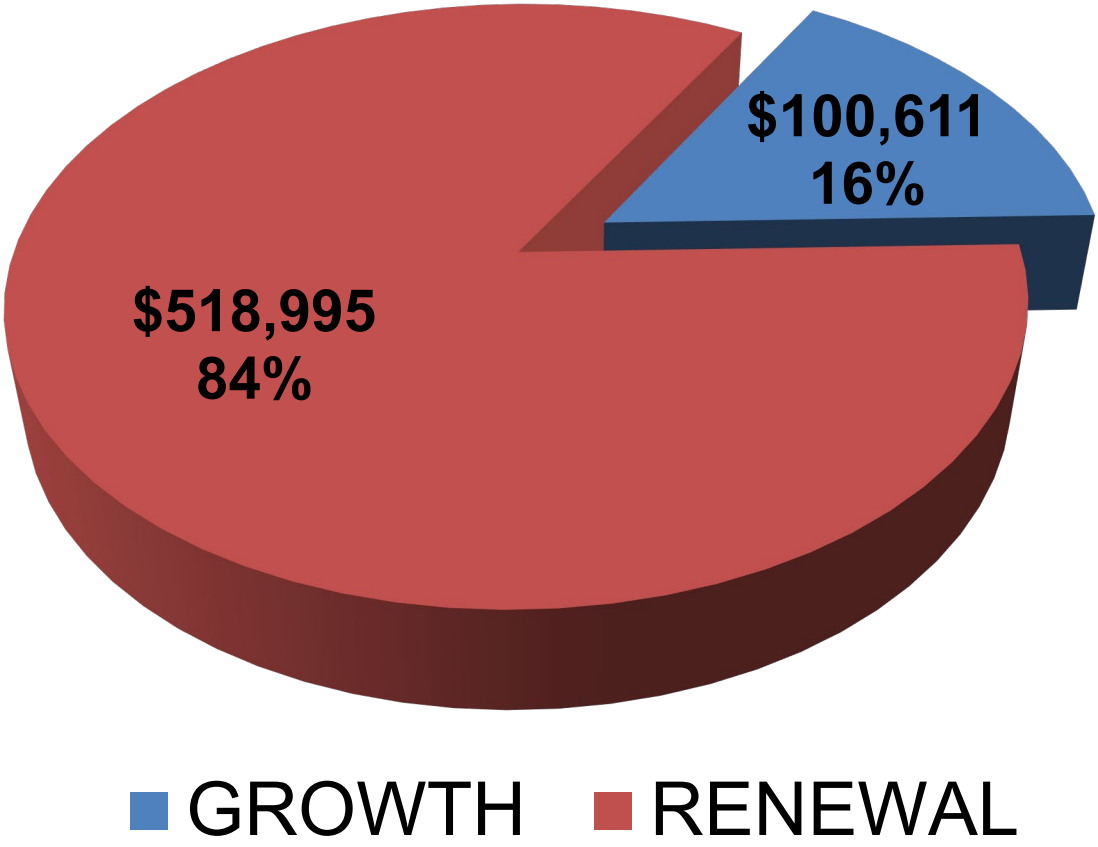
In alignment with industry best practice, the City of Tulsa is proactive in reviewing its capital needs both annually and in the strategic view of long-range goals and needs as identified in various master plans. These planning efforts have been undertaken both internally and with sister organizations involved in major capital programs in the region. The City's Finance Department reviews and maintains an inventory of master plans and recommendations that extend as far out as 50 years with over 660 projects totaling over $9.4 billion. 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 2024-2028 Capital Plan.

FIVE-YEAR LEVEL OF RECOMMENDED FUNDING
BY DEPARTMENT
Fiscal Years 2024 – 2028
(amount expressed in thousands)

Project Type	Constrained Requests	FY24-28 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	1,509,846	241,360	16%	39%
Sanitary Sewer System Projects	383,111	294,121	77%	47%
Flood Control Projects	107,222	84,125	78%	14%
Facilities Maintenance Projects	59,715	-	0%	0%
Total Public Works and Development	**$ 2,486,894**	**$ 619,606**	**25%**	**100%**
Economic 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	**$ 2,800,904**	**$ 619,606**	**22%**	**100%**

FY 2024 - 2028
RECOMMENDED CIP FUNDING
RENEWAL VS. GROWTH
($000)

Total $619,606



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.*

PROGRAM/DEPARTMENT	**Proposed 5-Year Funding**
PUBLIC SAFETY AND PROTECTION	
Police and E-911 Department The Police Department's highest priority is the renovation of the Police Courts and 911 Facilities, as well as the replacement of its fleet.	**$0 million**
Fire 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.	**$0 million**
Total Public Safety and Protection	**$0 million**
CULTURAL DEVELOPMENT AND RECREATION	
Park and Recreation Department 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.	**$0 million**
Total Cultural Development and Recreation	**$0 million**
PUBLIC WORKS AND INFRASTRUCTURE	
Streets and Expressways 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.	**$0 million**
Water 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.	**$241.4 million**

PROGRAM/DEPARTMENT	**Proposed 5-Year Funding**
Sanitary Sewer 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.	**$294.1 million**
Flood Control 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.	**$84.1 million**
Facilities 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.	**$0 million**
Total Public Works and Infrastructure	**$619.6 million**
SOCIAL AND ECONOMIC DEVELOPMENT	
Tulsa Authority for Economic Opportunity (TAEO) TAEO 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.	**$0 million**
Total Social and Economic Development	**$0 million**
Metropolitan Tulsa Transit Authority Projects (MTTA) MTTA's highest priorities are the continued replacement of its fleet, the construction of additional passenger shelters, and to improve and expand its service.	**$0 million**
Total Transportation	**$0 million**
ADMINISTRATIVE AND SUPPORT SERVICES	
Short Term Capital Projects Projects in this category include the replacement of various existing capital equipment, such as department fleet, facility equipment, and minor facility purchases and repairs.	**$0 million**
Total Administrative and Support Services	**$0 million**
TOTAL PROPOSED FIVE-YEAR FUNDING PROGRAM	**$619.6 million**

CAPITAL PLAN

CITY OF TULSA
FISCAL YEARS 2024-2028 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	FY24	FY25	FY26	FY27	FY28	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	1,509,846	59,182	56,557	46,466	51,458	27,697	**241,360**
Sanitary Sewer System Projects	383,111	55,397	67,974	70,509	51,295	48,946	**294,121**
Flood Control Projects	107,222	14,139	19,659	24,559	11,809	13,959	**84,125**
Facilities Maintenance Projects	59,715	-	-	-	-	-	-
Total Public Works	**$ 2,486,894**	**$ 128,718**	**$ 144,190**	**$ 141,534**	**$ 114,562**	**$ 90,602**	**$ 619,606**
Economic Development Projects	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	**$ 2,800,904**	**$ 128,718**	**$ 144,190**	**$ 141,534**	**$ 114,562**	**$ 90,602**	**$ 619,606**

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.

CITY OF TULSA
FISCAL YEARS 2024-2028 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)

Funding Source	Est. Cost	FY24	FY25	FY26	FY27	FY28	Total
Future Bond Program	$ 427,850	$ -	$ -	$ -	$ -	$ -	**$ -**
Future Sales Tax Program	372,875	-	-	-	-	-	**-**
Water Enterprise	557,168	30,854	25,257	28,466	30,458	27,697	**142,732**
Water Revenue Bond	952,678	28,328	31,300	18,000	21,000	-	**98,628**
Sewer Enterprise	251,755	39,873	39,952	36,714	38,172	38,141	**165,909**
State Sewer Loan (SRF)	-	-					**-**
State Sewer Loan (FAP)	-	-					**-**
Sewer Revenue Bond	131,356	15,524	28,022	33,795	13,123	10,805	**101,269**
Storm Sewer Enterprise	44,147	7,189	5,309	5,034	4,809	5,959	**28,300**
Storm Sewer Revenue Bond	63,075	6,950	14,350	19,525	7,000	8,000	**55,828**
Total Funding by Source	**$ 2,800,904**	**$ 128,718**	**$144,190**	**$141,534**	**$114,562**	**$90,602**	**$619,606**

** 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.

CONSTRAINED VERSUS UNCONSTRAINED INVENTORY
BY DEPARTMENT
Fiscal years 2024 – 2028
(amount expressed in thousands)

Project Type	Constrained Inventory	Unconstrained Inventory	Total
Police Department Projects	$ 4,960	$ 111,654	$ 116,614
Fire Department Projects	49,693	195,407	245,100
Total Public Safety and Protection	**$ 54,653**	**$ 307,061**	**$ 361,714**
Park and Recreation Projects	56,326	64,082	120,408
Tulsa Zoo Projects	15,000	63,800	78,800
Gilcrease Museum Projects	10,981	36,943	47,924
Cox Business Center and BOK Center	6,797	23,121	29,918
Performing Arts Center	5,420	253,733	259,153
River Parks Projects	25,940	226,988	252,928
Total Cultural Development and Recreation	**$ 120,464**	**$ 668,667**	**$ 789,131**
Street and Expressway Projects	427,000	3,441,380	3,868,380
Water System Projects	1,509,846	416,091	1,925,937
Sanitary Sewer System Projects	383,111	49,817	432,928
Flood Control Projects	107,222	372,609	479,832
Facilities Maintenance Projects	59,715	311,193	370,908
Total Public Works and Development	**$ 2,486,894**	**$ 4,591,091**	**$ 7,077,985**
Economic Development Projects	21,700	866,472	888,172
Working In Neighborhoods (WIN) Projects	2,460	3,386	5,846
Total Social and Economic Development	**$ 24,160**	**$ 869,858**	**$ 894,018**
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	179,103	186,203
Short Term & Contracted Capital Projects	70,850	-	70,850
Total Administrative and Support Services	**$ 84,178**	**$ 193,423**	**$ 277,601**
Total of All Capital Project Types	**$ 2,800,904**	**$ 6,675,165**	**$ 9,476,069**

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CITY OF TULSA
FISCAL YEARS 2024-2028 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	FY24	FY25	FY26	FY27	FY28	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	**$ 54,653**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	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	**$ 120,464**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	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	**$ 427,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Water System							
	Supply							
12	Source Water Protection & Management Program	**81,420**	-	515	-	515	-	**1,030**
13	Spavinaw Creek Bridge Replacement	**3,077**	104	2,701	-	-	-	**2,805**
14	Spavinaw WTP Backwash Lagoon Stem Wall	**500**	100	400	-	-	-	**500**
15	Eucha, Spavinaw Water Quality Court Master	**64,400**	500	500	500	500	500	**2,500**
16	Eucha Dam Anchoring	**17,100**	14,000	-	-	-	-	**14,000**
17	Eucha Dam Concrete Repairs	**8,487**	-	-	-	583	7,904	**8,487**
18	Raw Water Flowlines Repairs Spavinaw	**87,450**	-	250	-	250	-	**500**
19	Spavinaw Pump Station 54-inch Discharge Valve	**24,947**	1,500	-	-	-	-	**1,500**
20	Bird Creek PS Flow Meter and Oologah Valve Replacement	**4,129**	-	105	424	-	-	**529**
20	Woods Pump Station Refurbishment	**4,830**	2,210	-	-	-	-	**2,210**
21	Grand River Pump Station Refurbishment	**9,840**	1,500	4,790	-	-	-	**6,290**
22	Lake Yahola Terminal Storage Repair	**2,851**	250	2,500	-	-	-	**2,750**

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

Funding Source	Priority FY24	Priority FY25	Comments	Ref.
			PUBLIC SAFETY & PROTECTION	
			Police Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	1
			Fire Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	2
			CULTURAL DEVELOPMENT & RECREATION	
			Park And Recreation Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	3
			Tulsa Zoo	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	4
			Gilcrease Museum	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	5
			Convention Center and BOK	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	6
			Performing Arts Center Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	7
			River Parks	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	8
			PUBLIC WORKS AND INFRASTRUCTURE	
			Expressways, Streets, Bridges And Trails Projects	
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	9
			Major Rehabilitation	
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	10
Future Bond Program	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY24-28 timeframe.	11
			Water System	
			Supply	
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.	12
Water Enterprise	High	High	Construct a new bridge across Spavinaw Creek to replace old bridge Facility No. 043, as noted on Oklahoma Department of Transportation Bridge Inspection Report, immediately upstream of Lake Spavinaw for access to local residents and staff use. Bridge will require new roadway approach and acquisition of right of way for installation. Bridge will be designed to meet latest federal/state bridge design criteria. This bridge is considered important in maintaining access for neighboring communities and for city of Tulsa staff use. The responsibility for the upkeep of this bridge happened as a result of ruling from the Mayes County District Court of Mayes County, OK, to address the issues brought forth by Tulsa Ozark Club (TOC) in Civil (Case) No. 3020, July 10, 1924.	13
Water Enterprise	High	High	Construction of Stem Wall for Spavinaw Water Treatment Plant Backwash Lagoon.	14
Water Enterprise	High	High	Implementation of the Court Master Agreement for the Spavinaw/Eucha watershed.	15
Water Revenue Bond	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	The purpose of this project is to provide concrete repairs to the Eucha Dam	17
Water Enterprise	High	High	Ongoing projects to assess, rehabilitate, and repair raw water flowlines and associated facilities.	18
Water Enterprise	High	High	Replacement of 54 inch discharge valve at Spavinaw Pump Station.	19
Water Enterprise	High	High	Flow Meter and large valve replacement at Bird Creek and Oologah Pump Stations	20
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.	20
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.	21
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.	22

Ref.	Project	Est. Cost	FY24	FY25	FY26	FY27	FY28	Total
23	Raw Water Flowlines Repairs Oologah	**750**	-	250	-	250	-	**500**
24	Oologah Pump Station Chemical Building	**956**	-	-	160	796	-	**956**
25	Raw Water SCADA System	**1,351**	258	-	-	1,093	-	**1,351**
	Total Supply	**$ 312,088**	**$ 20,422**	**$ 12,011**	**$ 1,084**	**$ 3,987**	**$ 8,404**	**$ 45,908**
	Treatment & Pumping							
26	Comprehensive Water System Study	**1,060**	530	-	-	-	-	**530**
27	Mohawk WTP Concrete Repairs	**2,094**	-	-	223	-	1,871	**2,094**
28	Resevoir Hill Pumps Station Rehabilitation	**2,250**	250	-	2,000	-	-	**2,250**
29	Mohawk Disinfection Alternatives	**10,434**	-	420	-	3,714	-	**4,134**
30	Mohawk WTP Chemical Tank Replacement	**1,397**	124	1,273	-	-	-	**1,397**
31	(79) A.B. Jewell -Chemical Feed Facilities Improvements	**6,232**	-	743	-	3,289	-	**4,032**
32	A.B. Jewell Disinfection Alternatives	**4,014**	408	-	3,606	-	-	**4,014**
33	A.B. Jewell WTP Improvements - Residual Improvements Phase 3	**4,749**	650	4,099	-	-	-	**4,749**
34	A.B. Jewell WTP Filter Gallery Pipe and Concrete Replacement	**1,126**	-	1,126	-	-	-	**1,126**
	Total Treatment And Pumping	**$ 33,356**	**$ 1,962**	**$ 7,661**	**$ 5,829**	**$ 7,003**	**$ 1,871**	**$ 24,326**
	Transmission & Distribution							
35	(69) Large Water Valve Replacement-City Wide	**528**	-	106	106	106	107	**425**
36	(141) Transmission Line Condition Assessment-Citywide	**400**	-	200	-	200	-	**400**
37	Utica Ave Transmission Waterline Rehabilitation and Replacement	**9,880**	9,880	-	-	-	-	**9,880**
38	Economic Development Citywide	**6,000**	1,500	500	500	500	500	**3,500**
39	(26) Water Line Relocations-Citywide	**54,601**	900	900	950	950	951	**4,651**
40	(55) Water Mains Replacements - City Wide-Rev. Bonds	**867,698**	4,448	11,300	-	1,000	-	**16,748**
41	(55) Water Mains Replacements - City Wide-Enterprise Fund	**82,291**	13,745	1,387	13,068	12,100	13,493	**53,793**
42	(57) Dead-End Connections & Extensions	**3,000**	900	350	350	350	350	**2,300**
43	(83) Utility Bridges - Repaint/Rehabilitation	**548**	-	-	109	-	109	**218**
44	(62) Water Tanks - Repaint/Rehabilitation	**61,607**	-	-	2,607	-	-	**2,607**
45	Resevoir Hill Tank Rehabilitation	**3,730**	-	330	-	3,400	-	**3,730**
46	Facility Roof Repairs Citywide	**3,600**	600	600	600	600	600	**3,000**
47	Water Vault & Large Meter Upgrades	**1,494**	-	212	213	212	212	**849**
48	Emergency Waterline Repair Contract	**5,200**	1,000	1,000	1,050	1,050	1,100	**5,200**
	Total Transmission And Distribution	**$ 1,100,577**	**$ 32,973**	**$ 16,885**	**$ 19,553**	**$ 20,468**	**$ 17,422**	**$ 107,301**
	Areawide							
49	(36) Automatic Meter Reading - City Wide	**58,000**	-	20,000	18,000	20,000	-	**58,000**
50	(36) Automatic Meter Reading - City Wide Enterprise Fund	**5,825**	3,825	-	2,000	-	-	**5,825**
	Total Areawide	**$ 63,825**	**$ 3,825**	**$ 20,000**	**$ 20,000**	**$ 20,000**	**$ -**	**$ 63,825**
	Total Water System Projects	**$ 1,509,846**	**$ 59,182**	**$ 56,557**	**$ 46,466**	**$ 51,458**	**$ 27,697**	**$ 241,360**
	Sanitary Sewer System							
	Northside Plant							
51	Northside WWTP FEB Concrete/Structural Repair - Enterprise	**567**	-	-	-	567	-	**567**
52	Northside WWTP FEB Concrete/Structural Repair - Revenue Bond	**4,490**	-	-	-	-	4,490	**4,490**
53	Northside WWTP Aeration Jockey Blower Addition	**1,197**	1,126	-	-	-	-	**1,126**
54	Northside/LBC WWTP Electrical Improvements	**379**	-	-	-	-	379	**379**
55	Northside Interceptor Improvements	**8,908**	-	680	4,764	-	-	**5,444**
56	Mingo Creek Rehabilitation & Relief	**152**	-	-	-	-	152	**152**
57	Jones/Douglass Rehabilitation & Relief	**165**	-	-	-	-	165	**165**
58	Flatrock Creek Rehabilitation and Relief - Enterprise	**8,811**	783	-	8,028	-	-	**8,811**

Funding Source	FY24	FY25	Comments	Ref.
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.	23
Water Enterprise	High	High	Improvements at Oologah Pump Station Chemical Building	24
Water Enterprise	High	High	Ongoing maintenance of SCADA Systems for Raw Water.	25
			Treatment & Pumping	
Water Enterprise	High	High	Update to the Comprehensive Water System Study; including asset, process, and rates.	26
Water Enterprise	High	High	This project will allow for concrete repairs at the Mohawk Water Treatment Plant	27
Water Enterprise	High	High	This project will allow for the repair and rehabiltation of the Resevoir Hill Pumps Station	28
Water Enterprise	High	High	Provides funding to purchase and use disinfection alternatives for the Mohawk Water Treatment Plant	29
Water Enterprise	High	High	Provides for the replacement of chemical tanks at the Mohawk Water Treatment Plant	30
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.	31
Water Enterprise	High	High	Provides funding to purchase and use disinfection alternatives for the A.B. Jewell Water Treatment Plant	32
Water Enterprise	High	High	Provides for the funding of residual improvements in connection with Phase 3 at the A.B. Jewell Water Treatment Plant	33
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.	34
			Transmission & Distribution	
Water Enterprise	High	High	Replace large water valves throughout water system.	35
Water Enterprise	High	High	Monitor and evaluate transmission lines citywide. Funding may also be used to modify and improve entry for testing and monitoring.	36
Water Revenue Bond	High	High	Repair or replace water transmission lines along Utica Ave	
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.	38
Water Enterprise	High	High	Provide funding for ongoing program to relocate water lines associated with other City improvement projects.	39
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.	40
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.	41
Water Enterprise	High	High	Provide water service to unserved, developed areas in response to citizen petitions.	42
Water Enterprise	High	High	This project will provide maintenance as needed for the Utility Bridges with City waterlines.	43
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.	44
Water Enterprise	High	High	This project will provide maintenance as needed for the Resevoir Hill Tank.	45
Water Enterprise	High	High	Repair or replace citywide water facility roofs that meet the requirement criteria or that have excessive leaks.	46
Water Enterprise	High	High	Ongoing program to replace water meters citywide to support revenue assurance policies.	47
Water Enterprise	High	High	Ongoing program to emergency repair waterlines	48
Water Revenue Bond	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.	49
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.	50
			Sanitary Sewer System **Northside 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.	51
Sewer Revenue Bond	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.	52
Sewer Enterprise	High	High	Addition of low pressure screw compressor for nighttime low air demands.	53
Sewer Enterprise	High	High	Reconfigure the electrical distribution system at the Northside/Lower Bird Creek 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-arrangning how downstream switchgear are fed.	54
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.	55
Sewer Enterprise	High	High	Provide added capacity to overloaded lines.	56
Sewer Enterprise	High	High	Provide added capacity to overloaded lines.	57
Sewer Enterprise	High	High	Provide added capacity to overloaded lines.	58

Ref.	Project	Est. Cost	FY24	FY25	FY26	FY27	FY28	Total
59	Flatrock Creek Rehabilitation and Relief - Revenue Bond	**19,549**	-	8,741	-	4,493	6,315	**19,549**
60	Coal Creek Rehabilitation - Enterprise	**15,845**	517	-	1,138	8,705	5,485	**15,845**
61	Coal Creek Rehabilitation - Revenue Bond	**3,281**	-	3,281	-	-	-	**3,281**
	Total Northside Plant	**$ 63,344**	**$ 2,426**	**$ 12,702**	**$ 13,930**	**$ 13,765**	**$ 16,986**	59,809
	Southside Plant							
62	Southside WWTP Sludge Dewatering Alternative	**16,688**	15,524	-	-	-	-	**15,524**
63	Southside WWTP Digester Feed Piping Improvements	**214**	201	-	-	-	-	**201**
64	Southside WWTP Concrete Rehabilitation & Replacement - Enterprise	**838**	-	-	838	-	-	**838**
65	Southside WWTP Concrete Rehabilitation & Replacement - Revenue Bonds	**8,630**	-	-	-	8,630	-	**8,630**
66	Southside WWTP Electrical Upgrades	**4,368**	-	-	-	555	3,813	**4,368**
67	Southside WWTP WAS Instrumentation and Piping	**18**	-	-	-	-	8	**8**
68	71st Street Dewatering Facility 81st Street Access	**3,544**	361	3,183	-	-	-	**3,544**
69	Nickel Creek Extension Phase 3	**230**	230	-	-	-	-	**230**
70	West Tulsa 39, 40, 41-S Relief	**29,781**	72	441	755	4,060	2,836	**8,164**
71	Upper Joe Creek - East Branch	**11,818**	5,150	1,389	366	214	388	**7,507**
72	Crow Creek Rehab & Relief	**7,900**	434	5,589	-	319	1,060	**7,402**
73	Crow Creek Rehab & Relief (Revenue Bond)	**5,295**	-	-	5,295	-	-	**5,295**
74	Joe Creek/LaFortune Park Rehab	**99**	-	99	-	-	-	**99**
	Total Southside Plant	**$ 89,423**	**$ 21,972**	**$ 10,701**	**$ 7,254**	**$ 13,778**	**$ 8,105**	**$ 61,810**
	Haikey Creek Plant							
75	Haikey Creek WWTP Waterline Loop	**428**	-	-	-	428	-	**428**
76	Haikey Creek Lift Station Improvements - Phase 4 Improvements	**1,907**	-	-	1,907	-	-	**1,907**
77	Haikey Creek WWTP Composting Facility	**24,000**	-	-	24,000	-	-	**24,000**
78	Haikey Creek Oxidation Ditch Demolition	**217**	-	217	-	-	-	**217**
79	Haikey Creek SAMS Equipment Replacements, including Project 118 (FEB improvments), and 171 (annual equipment R&R) Includes lines 100 and 110	**3,274**	287	535	551	567	584	**2,524**
	Total Haikey Creek Plant	**$ 29,826**	**$ 287**	**$ 752**	**$ 26,458**	**$ 995**	**$ 584**	**$ 29,076**
	Lower Bird Creek Plant							

Funding Source	FY24	FY25	Comments	Ref.
Sewer Revenue Bond	High	High	Provide added capacity to overloaded lines.	59
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.	60
Sewer Revenue Bond	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.	61
			Southside Plant	
Sewer Revenue Bond	High	High	This project involved the evaluation of three sludge dewatering equipment alternatives for their performance and ability to treat future sludge loadings. These alternatives were evaluated using economic and non-economic criteria to produce a thorough evaluation. This evaluation recommended the installation of belt filter presses (BFP) or centrifuges for sludge dewatering at the 71st Street Dewatering Facility which will be confirmed during conceptual design. If centrifuges are to be selected, a new conveyor will need to be constructed due to the configuration of the centrifuges; however, it is anticipated that the existing conveyor will remain in operation if BFPs are the selected technology. Lagoon No. 7 should be fully operation in order to serve as a temporary sludge storage during construction of dewatering improvements.	62
Sewer Enterprise	High	High	Plant staff have described that the digester complex piping provides a high level of flexibility and redundancy, but at a high level of complexity. This results in a piping configuration which is difficult to operate during critical issues and is challenging to train new team members on. Additionally, sludge transfer from Digester 1 to Digester 2 is slow and results in frequent clogging. Improvements and simplifcations to this piping will enhance reliability of operation.	63
Sewer Enterprise	High	High	The purpose of this project is to provide redundancy to the distribution of digester sludge from the Southside Wastewater Treatment Plant to the 71st street dewatering facility. Currently, the only avenue to convey sludge between the two facilities for further treatment is through the use of the 2-mile force main between the two facilities. This force main has not had any interruptions to date, but if there is a failure there is currently no backup for sludge transfer between the two facilities. This solution can provide an emergency backup and provide redundancy to facilitate the implementation of a more permanent redudant transfer line.	64
Sewer Revenue Bond	High	High	This project improves the reliability of the length of sludge transfer piping to transfer digested sludge from the Southside Wastewater Treatment Plant to the 71st street dewatering facility. Currently, the only conduit to convey sludge between the two facilities for further treatment is through the use of a signal 2-mile force main between the two facilities. The present force main has provided reliable service to date, but is the only transfer pipe. Note that the pipeline has experienced point failures but prompt attention by TMUA staff have installed immediate point repairs to minimize the pipeline's downtime. An overbearing concern is that the pipeline includes a 200 linear foot section of pipe that was first placed into service in the 1950's. With sludge piping of this age, there is an overbearing concern that a significant length of this 1950's pipe could fail, thus requiring an emergency bypass temporary piping in conjunction with a significant emergency repair response.	65
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-arrangning how downstream switchgear are fed.	66
Sewer Enterprise	High	High	The purpose of this project is to provide improvements to waste activated sludge processing within the Southside Wastewater Treatment Plant. This project will help to minimize overflows within the WAS storage basin.	67
Sewer Enterprise	High	High	Construct access road from 81st street, east or west of Titan Sports Complex to the 71st Street Dewatering Facility.	68
Sewer Enterprise	High	High	The Phase 3 Nickel Creek Interceptor Extension will provide sewer service to approximately 197 acres north of W. 91st Street and south of W. 86th Street, east and west of S. Union Avenue, west of US Highway 75.	69
Sewer Enterprise	High	High	The project consists of a multi-year rehab and replacement project in the West Tulsa 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. The I&I Abatement target for this basin has not yet been defined. The West Tulsa basin is defined as the collection system that is monitored by permanent flow monitors TL-10, and TL-42, jointly. It contains 358,000 linear feet of pipe and encompasses maintenance areas 38-S, 39-S, 40-S, and 41-S.	70
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.	71
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. 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. The I&I Abatement target for Crow Creek is a 30% reduction. The Crow Creek basin is defined as the collection system that is monitored by permanent flow monitor TL-26. It contains 442,000 linear feet of pipe and encompasses maintenance areas 44-S, 45-S, and 62-S.	72
Sewer Revenue Bond	High	High	The project consists of a multi-year rehab and replacement project in the Crow 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. The I&I Abatement target for Crow Creek is a 30% reduction. The Crow Creek basin is defined as the collection system that is monitored by permanent flow monitor TL-26. It contains 442,000 linear feet of pipe and encompasses maintenance areas 44-S, 45-S, and 62-S.	73
Sewer Enterprise	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.	**74**
			Haikey Creek Plant	
Sewer Enterprise	High	High	Provide an additional water source to the Haikey Creek Wastewater Treatment Plant.	75
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.	76
Sewer Revenue Bond	High	High	Improvements at the Haikey Creek Wastewater Treatment Plant Composting Facility.	77
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.	78
Sewer Enterprise	High	High	Replacement of plant capital at Haikey Creek Waste Water Treatment Plant	79
			Lower Bird Creek Plant	

Ref.	Project	Est. Cost	FY24	FY25	FY26	FY27	FY28	Total
80	Lower Bird Creek WWTP Oxidation Ditch Mixers	**425**	55	370	-	-	-	**425**
81	Lower Bird Creek WWTP Expansion Phase 2 (ARPA Grant)	**16,000**	-	16,000				**16,000**
82	Spunky Creek East Branch Contract 1	**5,254**	4,951	-	-	-	-	**4,951**
83	Spunky Creek Main Stem South Contract 1 and 2	**7,749**	540	6,664	-	-	-	**7,204**
	Total Lower Bird Creek Plant	**$ 29,428**	**$ 5,546**	**$ 23,034**	**$ -**	**$ -**	**$ -**	**$ 28,580**
	Wastewater System Misc. Improvements							
84	Lift Station Replacements or Upgrades	**13,879**	1,727	2,075	2,658	2,029	2,090	**10,579**
85	Wastewater Comprehensive Study Update	**1,060**	530	-	-	-	-	**530**
	Total Wastewater System Misc. Imp	**$ 14,939**	**$ 2,257**	**$ 2,075**	**$ 2,658**	**$ 2,029**	**$ 2,090**	**$ 11,109**
	Areawide Collection System							
86	Sewer Rehab Area Wide	**19,547**	5,459	5,623	2,603	7,103	7,535	**28,323**
87	Sewer Rehab Area Wide (Revenue Bond)	**33,423**	-	-	4,500	-	-	**4,500**
88	Unsewered Areas Areawide	**9,798**	3,682	-	-	-	-	**3,682**
89	Areawide Point Repairs	**21,000**	3,000	3,000	3,000	3,000	3,000	**15,000**
90	2008 Street Package - Sewer Rehab/Replacement	**24,500**	3,500	3,500	3,500	3,500	3,500	**17,500**
91	Force Main Condition Assessment	**4,280**	618	637	656	675	696	**3,282**
92	Interceptor Condition Assessment	**4,503**	750	750	750	750	750	**3,750**
93	Economic Development Wastewater Infrastructure	**2,700**	700	-	-	500	500	**1,700**
94		**21,000**	3,000	3,000	3,000	3,000	3,000	**15,000**
95	Emergency Sewer Repair, Rehabilitation and Replacement	**15,400**	2,200	2,200	2,200	2,200	2,200	**11,000**
	Total Areawide Collection System	**$ 156,151**	**$ 22,909**	**$ 18,710**	**$ 20,209**	**$ 20,728**	**$ 21,181**	**$ 103,737**
	Total Sanitary Sewer System Projects	**$ 383,111**	**$ 55,397**	**$ 67,974**	**$ 70,509**	**$ 51,295**	**$ 48,946**	**$ 294,121**
	Stormwater							
96	101st Street - Yale to Sheridan	**125**	25	100	-	-	-	**125**
97	116th and Sheridan Erosion Stablization	**3,150**	-	-	-	250	1,400	**1,650**
98	2nd and Elgin Phase 2	**500**	-	500	-	-	-	**500**
99	41st Union to Elwood	**50**	50	-	-	-	-	**50**
100	43rd and Sheridan FEMA BRIC Grant Match	**1,105**	1,105	-	-	-	-	**1,105**
101	43rd and Sheridan FEMA BRIC Grant Match	**5,425**	-	-	5,425	-	-	**5,425**
102	4th and Kenosha storm sewer improvement	**7,000**	-	1,000	6,000	-	-	**7,000**
103	56th and Cincinnati SW 2036A0001Z	**300**	-	-	300	-	-	**300**
104	Admiral Pl - Memorial to Mingo	**150**	150	-	-	-	-	**150**
105	Centennial Park Pond	**850**	250	300	300	-	-	**850**
106	Citywide Concrete Channel Rehabilitation	**7,000**	-	1,000	1,000	1,000	1,000	**4,000**
107	Citywide Culvert Replacement	**3,500**	250	250	250	500	500	**1,750**
108	Citywide Detention Pond Rehabilitation	**3,155**	-	300	500	430	500	**1,730**
109	Citywide Economic Development	**4,000**	500	500	500	500	500	**2,500**
110	Citywide FEMA buyout program	**1,800**	200	250	250	250	250	**1,200**
111	Citywide Geotechnical Testing	**450**	50	50	50	50	50	**250**
112	Citywide Geotechnical Testing	**150**	50	50	50	-	-	**150**
113	Citywide On-Call Survey	**1,300**	150	150	150	150	150	**750**
114	Coal Creek Concrete Channel Rehabilitation	**5,000**	-	1,000	1,000	1,000	1,000	**4,000**
115	Contempra Apartments	**500**	500	-	-	-	-	**500**
116	Crescent Park	**1,100**	-	-	1,100	-	-	**1,100**
117	Crescent Park	**300**	-	-	300	-	-	**300**
118	Elm Creek - Pearl West Detention Pond	**9,000**	-	-	-	-	6,000	**6,000**
119	Freese & Nichols On-Call Design	**1,000**	125	125	125	125	125	**625**
120	Gilcrease and Apache	**150**	150	-	-	-	-	**150**
121	Hager Creek - Storm Sewer Relief Line	**18,250**	3,000	5,000	5,000	5,000	-	**18,000**
122	Little Haikey Channel Improvements	**400**	400	-	-	-	-	**400**
123	Little Haikey Channel Improvements	**1,250**	1,250	-	-	-	-	**1,250**
124	Maintenance Zone 3005	**125**	50	-	75	-	-	**125**
125	Maintenance Zone 4063	**100**	-	100	-	-	-	**100**
126	Maintenance Zone 5016	**50**	50	-	-	-	-	**50**
127	Maintenance Zone 5027	**150**	-	150	-	-	-	**150**
128	Maintenance Zone 5039	**370**	200	-	-	-	-	**200**
129	Maintenance Zone 9036	**250**	-	250	-	-	-	**250**
130	Maintenance Zone 9044	**250**	-	250	-	-	-	**250**
131	Meshek On-Call Design	**1,000**	125	125	125	125	125	**625**
132	Mingo and Audobon Creek	**1,100**	1,100	-	-	-	-	**1,100**
133	Mohawk and Bird Creek Pond Outlet	**690**	690	-	-	-	-	**690**

Funding Source	FY24	FY25	Comments	Ref.
Sewer Enterprise	High	High	Replacement of oxidation ditch mixers at the Lower Bird Creek WWTP	80
Sewer Revenue Bond	High	High	Project provides ARPA grant funds for Phase 2 of Lower Bird Creek WWTP Expansion	
Sewer Enterprise	High	High	Southern extension of the Spunky Creek wastewater system.	82
Sewer Enterprise	High	High	Southern extension of the Spunky Creek wastewater system.	83
			Wastewater System Misc. Improvements	
Sewer Enterprise	High	High	Annual repairs, pump replacements, etc. to the collection system lift stations.	84
Sewer Enterprise	High	High	Update to the Comprehensive Wastewater System Study; including asset, process, and rates.	85
			Areawide Collection System	
Sewer Enterprise	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	86
Sewer Revenue Bond	High	High	Project reflects funds not allocated to a specific I&I Abatement project.	87
Sewer Enterprise	High	High	Unserved area projects.	88
Sewer Enterprise	High	High	Reflects estimate of need for short term infrastructure reinvestment.	89
Sewer Enterprise	High	High	Annual rehab and replacement of sewered areas.	90
Sewer Enterprise	High	High	The scope of this BCE is to develop an asset managment 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.	91
Sewer Enterprise	High	High	The scope of this BCE is to develop an asset managment plan (AMP) in FY19 to perform condition assessment on the remaining 323,000 LF of large diameter concrete inteceptor based on criticallity.	92
Sewer Enterprise	High	High	This program will focus on providing sanitary sewer services to 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 and work toward "site certification" so as to be shovel ready to attract industrial development.	93
Sewer Enterprise	High	High	Program to fund manhole condition assessment, rehabilitation, and replacement as part of the City of Tulsa SSO mitigation plan to prevent sanitary sewer overflows, correct unsafe structural conditions, and reduce risk with regards to the management of these assets. This will be an ongoing program to manage risk, correct deficiencies, and meet regulatory requirements.	94
Sewer Enterprise	High	High	Program to fund emergency sanitary sewer system repairs, rehabilitation, and replacement as part of the City of Tulsa SSO mitigation plan to prevent sanitary sewer overflows. Operations will take the lead on this CIP line item with technical support from Engineering Services.	95
			Stormwater	
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	96
Stormwater Enterprise	High	High		97
Stormwater Revenue Bond	High	High		98
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	99
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	100
Stormwater Revenue Bond	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	101
Stormwater Revenue Bond	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	102
Stormwater Enterprise	High	High		103
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	104
Stormwater Enterprise	High	High	City maintained ponds continue to degrade increasing cost of repairs every year deferred. Increased chance of failure causes flooding downstream.	105
Stormwater Revenue Bond	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	106
Stormwater 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.	107
Stormwater Enterprise	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	108
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	109
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	110
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	111
Stormwater Enterprise	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	112
Stormwater Enterprise	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	113
Stormwater Revenue Bond	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	114
Stormwater Enterprise	High	High	Channel rehabilitation and storm sewer replacement of approximately 560 feet of Jones Creek that lies between S. Memorial Drive and E 15th Street that runs along the north side of the Contempra Apartments parking lot. This includes replacement of a failed 84" CGMP pipe with an RCB within Jones Creek Tributary.	115
Stormwater Revenue Bond	High	High	Rehabilitation of approximately 600 feet of channel within Little Joe Creek through the Crescent Park subdivision. A large portion of the channel was improved in 2002. The remaining has been left untouched and has significantly eroded.	116
Stormwater Enterprise	High	High	Rehabilitation of approximately 600 feet of channel within Little Joe Creek through the Crescent Park subdivision. A large portion of the channel was improved in 2002. The remaining has been left untouched and has significantly eroded.	117
Stormwater Revenue Bond	High	High	This project is indefinitely on hold. The placeholder is there if the decision is made to move forward. A stormwater detention facility in the Elm Creek basin that would reduce potential of flooding in the Gunboat area of downtown and improve capacity of the existing Centennial Pond.	118
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	119
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	120
Stormwater Revenue Bond	High	High	Substandard storm sewer systems continue to exist that continue to flood homes, garages, and businesses which threatens life and property.	121
Stormwater Enterprise	High	High	Unmaintained natural creeks and deferred maintenance of improved channels threatens public safety and property.	122
Stormwater Revenue Bond	High	High	Unmaintained natural creeks and deferred maintenance of improved channels threatens public safety and property.	123
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	124
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	125
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	126
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	127
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	128
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	129
Stormwater Enterprise	High	High	Reduce flooding and erosion inside funded transportation projects. Increase capacity as needed for storm sewer.	130
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	131
Stormwater Revenue Bond	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	132
Stormwater Enterprise	High	High	City maintained ponds continue to degrade increasing cost of repairs every year deferred. Increased chance of failure causes flooding downstream.	133

Ref.	Project	Est. Cost	FY24	FY25	FY26	FY27	FY28	Total
134	OWRB Annual Dam Inspection	**205**	60	-	-	70	-	**130**
135	Peary Creek	**1,000**	1,000	-	-	-	-	**1,000**
136	R&R	**16,672**	2,059	2,059	2,059	2,059	2,059	**10,295**
137	Stormwater Maintenance Building Expansion	**4,600**	600	4,000	-	-	-	**4,600**
138	Tulsa Parks Ponds - Annual	**1,550**	-	-	-	300	300	**600**
139	Vensel Creek - 84th St to Pittsburg	**200**	-	200	-	-	-	**200**
140	Vensel Creek - 84th St to Pittsburg	**1,400**	-	1,400	-	-	-	**1,400**
141	Veteran's Park Trash Interceptor	**100**	-	100	-	-	-	**100**
142	Zink Park - 32nd and Trenton	**450**	-	450	-	-	-	**450**
	Total Stormwater Projects	**$ 107,222**	**$ 14,139**	**$ 19,659**	**$ 24,559**	**$ 11,809**	**$ 13,959**	**$ 84,125**
	Public Facilities Maintenance							
143	Future Unfunded Projects	**59,715**						**-**
	Total Public Facilities Maintenance Projects	**$ 59,715**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
TOTAL PUBLIC WORKS AND INFRASTRUCTURE PROJECTS		**$ 2,486,894**	**$ 128,718**	**$ 144,190**	**$ 141,534**	**$ 114,562**	**$ 90,602**	**$ 619,606**
SOCIAL AND ECONOMIC DEVELOPMENT								
	Working In Neighborhoods (Win)							
144	Future Unfunded Projects	**2,460**						**-**
	Total Working In Neighborhoods Projects	**$ 2,460**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Economic Development Department							
145	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							
146	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							
147	Future Unfunded Projects	**6,228**						**-**
	Total Information Technology Department Projects	**$ 6,228**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Asset Management Department							
148	Future Unfunded Projects	**7,100**						**-**
	Total Equipment Management Projects	**$ 7,100**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Short Term & Bond Issuance							
149	Short Term Capital	**70,000**						
150	Bond Issuance Costs	**850**						
	Total Short Term & Contracted Capital Projects	**$ 70,850**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
TOTAL ADMINISTRATIVE AND SUPPORT SERVICES PROJECTS		**$ 84,178**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
TOTAL CAPITAL PROJECTS INVENTORY		**$ 2,800,904**	**$ 128,718**	**$ 144,190**	**$ 141,534**	**$ 114,562**	**$ 90,602**	**$ 619,606**

Funding Source	FY24	FY25	Comments	Ref.
Stormwater Enterprise	High	High	City maintained ponds continue to degrade increasing cost of repairs every year deferred. Increased chance of failure causes flooding downstream.	134
Stormwater Revenue Bond	High	High	City maintained improved channels continue to degrade increasing the cost of repairs every year deferred. Increased chance of catastrophic failures.	135
Stormwater Enterprise	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	136
Stormwater Revenue Bond	High	High	Design and Construct projects for drainage problems located at various sites throughout the City.	137
Stormwater Enterprise	High	High	Stormwater rehabilitation of existing wet ponds within Tulsa Parks. The ponds are prioritized by Tulsa Parks. The upcoming 2-3 years will be focused on constructing an access route, dredging and installation of a trash interceptor for Centennial Pond.	138
Stormwater Enterprise	High	High	Unmaintained natural creeks and deferred maintenance of improved channels threatens public safety and property.	139
Stormwater Revenue Bond	High	High	Unmaintained natural creeks and deferred maintenance of improved channels threatens public safety and property.	140
Stormwater Enterprise	High	High	City maintained ponds continue to degrade increasing cost of repairs every year deferred. Increased chance of failure causes flooding downstream.	141
Stormwater Revenue Bond	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.	142
			Public Facilities Maintenance	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	143
			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.	144
			Economic Development Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	145
			TRANSPORTATION	
			Metropolitan Tulsa Transit Authority	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	146
			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.	147
			Asset Management Department	
Future Sales Tax	Low	Low	Future projects identified within Constrained Inventory, but not funded within FY21-25 timeframe.	148
			Short Term & Bond Issuance	
Future Sales Tax	Low	Low	To replace miscellaneous capital equipment.	149
Future Bond Program	Low	Low	Bond sale related costs.	150