

Capital Improvement Plan Overview

Capital Improvement Plan Budget Summary

Introduction

The Capital Improvement Plan (CIP) is a tool to help the City look beyond year-to-year budgeting to determine what, when, where and how future public improvements will take place over the next five years. The Capital Improvement Budget is made up of capital projects contained in the City's Capital Improvement Plan.

Capital Project Defined

A capital project is defined as a project with a minimum total cost of \$75,000 resulting in 1) the creation of a new fixed asset; 2) enhancement to an existing fixed asset with a life expectancy of at least 2 years. Examples include construction or expansion of public buildings, new storm and sanitary sewers, water line upgrades and extensions, the acquisition of land for public use, planning and engineering costs, and street construction.

Capital Improvement Process

Each year, capital project lists are submitted by various City departments, agencies, and the public. The projects are reviewed by the Management Team made up of representatives from several departments. The Team uses a set of scoring criteria and the scoring matrix found on the following pages to determine a score for every project submitted. The scores are translated into priority rankings.

The Finance Department takes the highest priority CIP items and enters the fiscal impact into a five-year fiscal forecast for each impacted fund. The Finance Department forwards the CIP with recommendations, to the City Manager. The recommendations are made to ensure that the impacted funds are kept in balance long-term.

The City Manager then submits a draft Capital Improvement Plan to the Planning Commission, who reviews the Plan and ensures all projects included are consistent with the City's Comprehensive Plan, Horizon 2020. The draft Capital Improvement Plan is then submitted to the City Commission for approval.

Capital Improvement Budget

Each year, a Capital Improvement Budget is prepared in conjunction with the City's Annual Operating Budget. The Capital Improvement Budget has a number of revenue sources, including current revenues, state and federal grants, special assessment benefit districts, and the issuance of debt. The Capital Improvement Budget can be found on the following pages.

Impact of Capital Budget on Operating Budget

The Capital Improvement Budget impacts the operating budget in several ways. For example, construction of a new roadway means additional snow removal that must be done, additional area that must be patrolled by police officers, and additional right-of-way that must be maintained. New road improvements can provide access to new commercial and residential developments, which when developed, can increase the property tax base and may generate additional sales tax.

Capital Improvement Plan

Scoring Matrix

The Capital Improvement Plan (CIP) is a planning document for all the capital projects the City anticipates completing in the next 5 years. These projects were prioritized by the Management Team (consisting of the City Managers Office, Department Heads, and Assistant Department Heads). First, departments had to submit projects for consideration. Then each member of the Management Team was assigned a year and had to score all projects based on the criteria listed below. Each project received two scores. One score was based on the City Commission’s strategic goals and mandates and the other was based on the value of the project.

	Scores for Commission Strategic Goals and Mandates					
	Score from 0 (lowest) to 5 (highest)					
Scoring	0	1	2	3	4	5
Commission Goal to support economic development	Project would discourage or directly prevent capital investment, decrease the tax base, decrease valuation, or decrease job opportunities		Project would have no impact on capital investment, the tax base, valuation, or job opportunities		Project would directly result in capital investment, increased tax base, increased valuation, or improved job opportunities	
Commission Goal to support public safety	Project would have no impact on existing public safety status		Project would increase public safety but is not an urgent, continual need or hazard		Project addresses an immediate, continual safety hazard or public safety need	
Commission Goal to support City Infrastructure	Project would have no impact on existing city infrastructure		Project would improve or support city infrastructure in a minor way		Project is a major improvement to the city infrastructure	
Commission Goal to support public health	Project would have no impact on existing public health status		Project would increase public health but is not an urgent, continual need or hazard		Project addresses an immediate, continual public health need	
Commission Goal to support affordable housing	Project would discourage or directly prevent affordable housing opportunities to its citizens		Project would have no impact on affordable housing for its citizens		Project would directly result in, increased opportunities for affordable housing for its citizens	
Commission Goal to support non-motorized transportation and or public	Project would discourage or directly prevent access to non-motorized transportation or public transit		Project would have no impact access to non-motorized transportation or public transit		Project would directly result in, increased opportunities access to non-motorized transportation or public transit	
	Score for Legal or Other Mandates					
Mandates or other legal requirements	Project is not mandated or otherwise required by court order, judgment, or interlocal agreements		Project would address anticipated mandates, other legal requirements, or interlocal agreements		Project required by federal, state, or local mandates, grants, court orders and judgments; required as part of interlocal agreements	

Capital Improvement Plan Scoring Matrix

	Scores for Value of Project					
	Score from 0 (lowest) to 5 (highest)					
Scoring	0	1	2	3	4	5
Maintains or improves standard of service	Project not related to maintaining an existing standard of service		Project would maintain existing standard of service		Project would address deficiencies or problems with existing services; would establish new service	
Extent of benefit	Projects would benefit only a small percentage of citizens or particular neighborhood or area		Project would benefit a large percentage of citizens or many neighborhoods or areas		Project would benefit all of the citizens, neighborhoods, or areas	
Related to other projects	Project is not related to other projects in the Capital Improvement Plan already underway		Project linked to other projects in the Capital Improvement Plan already underway but not essential to their completion		Project essential to the success of other projects identified in Capital Improvement Plan already underway	
Public perception of need	Project has no public support or established voter appeal; is not identified by the citizenry as a need		Project has been identified by the citizenry as a need in the community but lacks strong support		Project has technical and strong political support, project was suggested by or even demanded by large number of citizens	
Efficiency of service	Project would have no impact on the efficiency of service		Project would result in savings by eliminating obsolete or inefficient facilities		Project would result in significant savings by increasing the efficiency of the performance of a service or reducing the on-going cost of a service or facility	
Environmental quality	Project would have a negative effect on the environmental quality of the city		Project would not affect the environmental quality of the city		Project would improve the sustainability of the environment	
Feasibility of project	Project is unable to proceed due to obstacles (land acquisition, easements, approval required)		Minor obstacles exist, project is not entirely ready to proceed		Project is entirely ready to proceed, no obstacles (land acquisition or easements, approvals required, etc.) exist	
Opportunity cost	If deferred, the increase in project costs would be less than the rate of inflation		If deferred, the increase in project costs would be equal to inflation		If deferred, the increase in project costs would be greater than the rate of inflation	
Operational budget impact	Project would significantly increase debt service, installment payments, personnel or other operating costs or decrease revenues		Project would neither increase or decrease debt service, installment payment, personnel or other operating costs or revenues		Project would decrease debt service, installment payments, personnel or other operating costs or increase revenues	

2017 Capital Improvement Plan Budget Impact on City's Operating Budget

Project	Funding Source(s)	Total 2017 Cost	Annual Operating Impact	Operating/Maintenance Budget
Citizen Input		<i>subtotal: \$ 300,000</i>		
Affordable Housing Initiatives	\$300,000 General Fund	\$ 300,000	No Impact	N/A
Finance		<i>subtotal: \$ 10,000</i>		
Upgrade Accounting System	\$5,000 General Fund \$5,000 Water & Sewer Fund	\$ 10,000	No Impact	N/A
Fire Medical		<i>subtotal: \$ 7,119,000</i>		
Fire Station No. 1 Rehabilitation/ Senior Center	\$5,480,000 G.O. Debt* \$520,000 Intergovernmental	\$ 6,000,000	Decrease Operational Costs	General Fund, Fire Medical Department
Training Burn Tower Replacement	\$350,000 G.O. Debt	\$ 350,000	Decrease Operational Costs	General Fund, Fire Medical Department
Emergency Vehicle Traffic Signal Preemption System	\$719,000 G.O. Debt	\$ 719,000	Decrease Operational Costs	General Fund, Fire Medical Department
SCBA Air Compressor at Fire Station No. 1	\$50,000 Equipment Reserve Fund	\$ 50,000	Decrease Operational Costs	General Fund, Fire Medical Department
Information Technology		<i>subtotal: \$ 49,500</i>		
Access Layer Switches	\$49,500 Equipment Reserve Fund	\$ 49,500	No Impact	N/A
Parks & Recreation		<i>subtotal: \$ 1,885,000</i>		
Parks & Recreation Maintenance and Repairs	\$700,000 General Fund	\$ 700,000	No Impact	N/A
Replace HVAC Units-Indoor Pool	\$330,000 General Fund	\$ 330,000	Decrease Operational Costs	Recreation Fund, Parks & Recreation
Install additional restrooms at Youth Sports Complex	\$120,000 General Fund	\$ 120,000	Increase Operational Costs	General Fund, Parks & Recreation
Downtown Brick Pavers	\$75,000 Guest Tax Fund	\$ 75,000	No Impact	N/A
Upgrade Eagle Bend Golf Course Pro Shop, Concessions and Restrooms	\$500,000 Golf Course Fund	\$ 500,000	Increase Operational Costs	Golf Course Fund, Parks & Recreation Department
Install trail to connect 29th St. to Haskell	\$75,000 General Fund	\$ 75,000	Increase Operational Costs	General Fund, Parks & Recreation
Recreation Division Equipment Replacement-Bus	\$85,000 General Fund	\$ 85,000	Decrease Operational Costs	Recreation Fund, Parks & Recreation
Planning and Development		<i>subtotal: \$ 30,000</i>		
One Stop Shop Design	\$30,000 G.O. Debt	\$ 30,000	No Impact	N/A

2017 Capital Improvement Plan Budget Impact on City's Operating Budget

Project	Funding Source(s)	Total 2017 Cost	Annual Operating Impact	Operating/Maintenance Budget
Police		<i>subtotal: \$ 2,758,100</i>		
Mobile Data Computers	\$672,100 G.O. Debt	\$ 672,100	Decrease Operational Costs	General Fund, Police Department
Police Vehicles	\$392,000 General Fund	\$ 392,000	No Impact	N/A
FARO Scanner	\$95,000 G.O. Debt	\$ 95,000	No Impact	N/A
Parking Garage Paystations	\$99,000 Public Parking Fund	\$ 99,000	Decrease Operational Costs	Public Parking Fund, Police Department
Design Police Facility	\$1,500,000 G.O. Debt	\$ 1,500,000	No Impact	N/A
Public Transit		<i>subtotal: \$ 32,250,000</i>		
Multi-Modal Transit Facility	\$26,600,000 Intergovernmental \$4,000,000 Public Transit	\$ 30,600,000	Increase Operational Costs	Public Transit Fund, Public Transportation Division
Transit Shelters & Amenities	\$150,000 Public Transit Fund	\$ 150,000	Increase Operational Costs	Public Transit Fund, Public Transportation Division
Fixed Bus Route Transit Buses	\$1,500,000 Public Transit Fund	\$ 1,500,000	Decrease Operational Costs	Public Transit Fund, Public Transportation Division
Public Works		<i>subtotal: \$ 20,896,500</i>		
Bike/Pedestrian Improvements & ADA Ramps	\$200,000 Capital Improvement Reserve Fund- Infrastructure \$250,000 G.O. Debt	\$ 450,000	Increase Operational Costs	General Fund, Parks & Recreation Department
KLINK	\$300,000 G.O. Debt \$300,000 Intergovernmental	\$ 600,000	No Impact	N/A
Public Works Annual Vehicle Replacement Program	\$500,000 Capital Improvement Reserve Fund	\$ 500,000	No Impact	N/A
Parking Garage Assessments/Maintenance	\$150,000 Public Parking Fund	\$ 150,000	No Impact	N/A
Roof Replacement at Fire/Medical No. 3	\$140,000 G.O. Debt	\$ 140,000	Decrease Operational Costs	General Fund, Fire Medical Department
Fire/Medical Roof and Drainage Maintenance	\$90,000 G.O. Debt	\$ 90,000	Decrease Operational Costs	General Fund, Fire Medical Department
Downtown Canopy Lighting, Sidewalk and Roofing	\$350,000 G.O. Debt	\$ 350,000	No Impact	N/A
Community Health Boiler Replacement	\$112,500 G.O. Debt \$112,500 Intergovernmental	\$ 225,000	Decrease Operational Costs	General Fund, Public Works Department
Community Health Chiller Replacement	\$162,500 G.O. Debt \$162,500 Intergovernmental	\$ 325,000	Decrease Operational Costs	General Fund, Public Works Department
Community Health Building Stabilization	\$37,500 G.O. Debt \$37,500 Intergovernmental	\$ 75,000	Decrease Operational Costs	General Fund, Public Works Department

2017 Capital Improvement Plan Budget Impact on City's Operating Budget

Project	Funding Source(s)	Total 2017 Cost	Annual Operating Impact	Operating/Maintenance Budget
Public Works (continued)		<i>subtotal: \$ 20,896,500</i>		
Kasold Reconstruction-6th St. to Bob Billings Pkwy	\$4,500,000 Capital Improvement Reserve Fund-Infrastructure \$500,000 Intergovernmental	\$ 5,000,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
Wakarusa Reconstruction-Inverness to 6th St.	\$2,500,000 Capital Improvement Reserve Fund-Infrastructure \$500,000 Intergovernmental	\$ 3,000,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
Queens Road Improvements-6th St. to City Limits	\$300,000 G.O. Debt	\$ 300,000	Increase Operational Costs	General Fund/ Special Gas Tax Fund/Water & Sewer Fund, Public Works Department/Utilities Department
CDBG Sidewalk Gap Program	\$100,000 Intergovernmental	\$ 100,000	No Impact	N/A
Traffic Calming	\$200,000 G.O. Debt	\$ 200,000	No Impact	N/A
Bobcat Replacement	\$75,000 G.O. Debt	\$ 75,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works
Street Sweeper	\$280,000 Stormwater Fund	\$ 280,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund/Storm Water Utility Fund, Public
Class 5 Dump Truck Replacement	\$105,000 Stormwater Fund	\$ 105,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works
Tandem Axel Dump Truck Replacement	\$195,000 Special Gas Tax Fund	\$ 195,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works
Class 5 Dump Truck Replacement	\$105,000 Special Gas Tax Fund	\$ 105,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works
Rubber Tire Loader Replacement	\$75,000 Stormwater Fund	\$ 75,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department

2017 Capital Improvement Plan Budget Impact on City's Operating Budget

Project	Funding Source(s)	Total 2017 Cost	Annual Operating Impact	Operating/ Maintenance Budget
Public Works (continued)		<i>subtotal: \$ 20,896,500</i>		
Contracted Street Maintenance Program	\$800,000 Capital Improvement Reserve Fund-Infrastructure \$2,000,000 General Fund \$200,000 Special Gas Tax Fund	\$ 3,140,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
Contract Milling for In-House Pavement Rehabilitation	\$100,000 Special Gas Tax Fund	\$ 100,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
ITS Video Detection Upgrade and Replacement	\$150,000 Special Gas Tax Fund	\$ 150,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
Bobcat Replacement	\$75,000 G.O. Debt	\$ 75,000	Decrease Operational Costs	General Fund/ Special Gas Tax Fund, Public Works Department
Wildlife Fence	\$80,500 Airport Improvement Fund \$724,500 Intergovernmental	\$ 805,000	Increase Operational Costs	Airport Improvement Fund, Public Works Department
Reconstruct Terminal Apron	\$136,000 Intergovernmental	\$ 136,000	Decrease Operational Costs	Airport Improvement Fund, Public Works
Automated Side Load Refuse Truck	\$225,500 Solid Waste Fund	\$ 225,500	Decrease Operational Costs	Solid Waste Fund, Public Works
Dual Purpose Front Load and ASL	\$275,000 Solid Waste Fund	\$ 275,000	Decrease Operational Costs	Solid Waste Fund, Public Works
Rear Load Refuse Truck	\$160,000 Solid Waste Fund	\$ 160,000	Decrease Operational Costs	Solid Waste Fund, Public Works
Rolloff Container Truck Replacement	\$140,000 Solid Waste Fund	\$ 140,000	Decrease Operational Costs	Solid Waste Fund, Public Works
Solid Waste Facility at Kresge	\$2,700,000 Solid Waste Fund	\$ 2,700,000	Decrease Operational Costs	Solid Waste Fund, Public Works
Storm Sewer Video Inspection Unit	\$150,000 Stormwater Fund	\$ 150,000	Decrease Operational Costs	Solid Waste Fund, Public Works
13th Brook Drainage Improvements	\$250,000 Stormwater Fund	\$ 250,000	Decrease Operational Costs	Stormwater Fund, Public Works

2017 Capital Improvement Plan Budget Impact on City's Operating Budget

Project	Funding Source(s)	Total 2017 Cost	Annual Operating Impact	Operating/Maintenance Budget
Public Works (continued)		<i>subtotal: \$ 20,896,500</i>		
Storm Water Culvert Lining	\$250,000 Stormwater Fund	\$ 250,000	Decrease Operational Costs	Stormwater Fund, Public Works
Utilities		<i>subtotal: \$ 42,236,620</i>		
Wakarusa Wastewater Treatment Plant and Conveyance Corridor	\$29,300,000 Water & Sewer Fund	\$ 29,300,000	Increase Operational Costs	Water & Sewer Fund, Utilities Department
Oread Storage Tank & Booster Pump Station Replacement	\$4,230,000 Water & Sewer Fund	\$ 4,230,000	Decrease Operational Costs	Water & Sewer Fund, Utilities
19th St. Utilities Relocation	\$1,420,920 Water & Sewer Fund	\$ 1,420,920	Decrease Operational Costs	Water & Sewer Fund, Utilities
Sewer Main Relocations for Road Projects	\$351,000 Water & Sewer Fund	\$ 351,000	No Impact	N/A
Rapid Inflow & Infiltration Reduction Program	\$2,000,000 Water & Sewer Fund	\$ 2,000,000	Decrease Operational Costs	Water & Sewer Fund, Utilities
Collection System Field Operations Building	\$350,000 Water & Sewer Fund	\$ 350,000	Decrease Operational Costs	Water & Sewer Fund, Utilities
Clinton Water Treatment Plant Improvement Program	\$324,500 Water & Sewer Fund	\$ 324,500	Decrease Operational Costs	Water & Sewer Fund, Utilities
Kaw Water Treatment Plant Improvement Program	\$324,500 Water & Sewer Fund	\$ 324,500	Decrease Operational Costs	Water & Sewer Fund, Utilities
Watermain Replacement/Relocation Program	\$3,935,700 Water & Sewer Fund	\$ 3,935,700	Decrease Operational Costs	Water & Sewer Fund, Utilities
Total		\$107,534,720		

Capital Improvement Projects by Department

City of Lawrence, Kansas
City Manager's Recommended Projects
 2017 thru 2021

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Citizen Input								
Affordable Housing Initiatives	CI05	n/a	300,000	300,000	350,000	350,000	350,000	1,650,000
<i>General Obligation Debt</i>			300,000	300,000	350,000	350,000	350,000	1,650,000
<i>Unfunded</i>			2,700,000	2,700,000	2,650,000	2,650,000	2,650,000	13,350,000
Animal Shelter Construction Partnership	CM1701CIP	n/a		7,500,000				7,500,000
<i>General Obligation Debt</i>						2,500,000		2,500,000
<i>Private Partnership</i>				5,000,000				5,000,000
Citizen Input Total			300,000	7,800,000	350,000	350,000	350,000	9,150,000
Finance								
Upgrade Accounting System	FA1601CP	3	10,000	124,000				134,000
<i>General Fund</i>			5,000	62,000				67,000
<i>Utility - Water</i>			5,000	62,000				67,000
Finance Total			10,000	124,000				134,000
Fire Medical								
Fire Station No. 1 Rehabilitation / Senior Center	FM1702CIP	1	6,000,000					6,000,000
<i>General Obligation Debt</i>			5,480,000					5,480,000
<i>Intergovernmental</i>			520,000					520,000
Training Burn Tower Replacement	FM1703CIP	1	350,000	350,000				700,000
<i>General Obligation Debt</i>			350,000	350,000				700,000
Emergency Vehicle Traffic Signal Preemption System	FM1705CIP	1	719,000					719,000
<i>General Obligation Debt</i>			719,000					719,000
SCBA Air Compressor Fire Station Number 1	FM1706CIP	3	50,000					50,000
<i>Equipment Reserve Fund</i>			50,000					50,000
Personal Protective Equipment Extractors	FM1804CIP	4		75,000				75,000
<i>Equipment Reserve Fund</i>				75,000				75,000
Apparatus Bay Exhaust System	FM1807CIP	1		200,000				200,000
<i>General Obligation Debt</i>				200,000				200,000
641 Replacement Quint 40	FM1817CIP	3		1,250,000				1,250,000
<i>General Obligation Debt</i>				1,250,000				1,250,000
Personal Protective Equipment Alternate Set	FM1908CIP	2			540,000			540,000
<i>General Obligation Debt</i>					540,000			540,000
Rescue Equipment for Rescue 5	FM1914CIP	2			75,000			75,000
<i>Equipment Reserve Fund</i>					75,000			75,000
645 Replacement Rescue 5	FM1920CIP	2			760,000			760,000
<i>General Obligation Debt</i>					760,000			760,000
Mobile Radios	FM2009CIP	1				600,000		600,000
<i>General Obligation Debt</i>						600,000		600,000
Portable Radios	FM2010CIP	1				900,000		900,000
<i>General Obligation Debt</i>						900,000		900,000
Training Center Remodel	FM2045CIP	4				250,000		250,000
<i>General Obligation Debt</i>						250,000		250,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
634 Replacement Investigation Unit 1 <i>General Obligation Debt</i>	FM2126CIP	3					375,000	375,000
							<i>375,000</i>	<i>375,000</i>
642 Replacement Quint 20 <i>General Obligation Debt</i>	FM2127CIP	2					1,287,500	1,287,500
							<i>1,287,500</i>	<i>1,287,500</i>
643 Replacement Quint 50 <i>General Obligation Debt</i>	FM2128CIP	2					1,287,500	1,287,500
							<i>1,287,500</i>	<i>1,287,500</i>
Fire Medical Total			7,119,000	1,875,000	1,375,000	1,750,000	2,950,000	15,069,000

Information Technology

Access Layer Switches <i>Equipment Reserve Fund</i>	IT1701CIP	1	49,500	61,000	59,500			170,000
			<i>49,500</i>	<i>61,000</i>	<i>59,500</i>			<i>170,000</i>
VMWare Hardware Refresh <i>Equipment Reserve Fund</i>	IT2001CIP	1				80,000		80,000
						<i>80,000</i>		<i>80,000</i>
Information Technology Total			49,500	61,000	59,500	80,000		250,000

Parks and Recreation

Parks & Recreation Maintenance and Repairs <i>General Fund</i>	PR1701CIP	1	700,000					700,000
			<i>700,000</i>					<i>700,000</i>
Replace HVAC Units- Indoor Pool <i>General Fund</i>	PR1702CIP	1	330,000					330,000
			<i>330,000</i>					<i>330,000</i>
Install additional restrooms at YSC (ADA comp) <i>General Fund</i>	PR1704CIP	2	120,000					120,000
			<i>120,000</i>					<i>120,000</i>
Resurface North Parking at Holcom Complex <i>General Fund</i>	PR1706CIP	3		104,000				104,000
				<i>104,000</i>				<i>104,000</i>
Downtown Brick Pavers <i>Guest Tax Fund</i>	PR1707CIP	2	75,000					75,000
			<i>75,000</i>					<i>75,000</i>
Upgrade EBGC Pro Shop,Concessions,Restroom <i>Golf Course</i>	PR1708CIP	4	500,000					500,000
			<i>500,000</i>					<i>500,000</i>
East Lawrence Center Parking Lot Addition <i>General Fund</i>	PR1710CIP	3		83,000				83,000
				<i>83,000</i>				<i>83,000</i>
Install Trail to Connect 29th St. to Haskell <i>General Fund</i>	PR1713CIP	2	75,000					75,000
			<i>75,000</i>					<i>75,000</i>
Equipment Replacement - Recreation Division Bus <i>General Fund</i>	PR1781CIP	1	85,000					85,000
			<i>85,000</i>					<i>85,000</i>
Parks & Recreation Maintenance and Repairs <i>General Fund</i>	PR1801CIP	1		565,000				565,000
				<i>565,000</i>				<i>565,000</i>
Install Concessions at West End of YSC Complex <i>General Fund</i>	PR1802CIP	4		125,000				125,000
				<i>125,000</i>				<i>125,000</i>
Replace Pool Slide at Outdoor Aquatics Center <i>General Fund</i>	PR1803CIP	3		95,000				95,000
				<i>95,000</i>				<i>95,000</i>
Replace Bad Concrete in Outdoor Pool Deck <i>General Fund</i>	PR1804CIP	2		75,000				75,000
				<i>75,000</i>				<i>75,000</i>
Outdoor Aquatic Center Pool Paint <i>General Fund</i>	PR1805CIP	2		75,000				75,000
				<i>75,000</i>				<i>75,000</i>
Speicher Road asphalt patches and 2 inch overlay <i>General Fund</i>	PR1808CIP	3		100,000				100,000
				<i>100,000</i>				<i>100,000</i>
Downtown Brick Pavers <i>Guest Tax Fund</i>	PR1809CIP	2		75,000				75,000
				<i>75,000</i>				<i>75,000</i>
Cemetery Roads <i>Cemetery Reserve</i>	PR1810CIP	3		75,000				75,000
				<i>75,000</i>				<i>75,000</i>
Replace HVAC Units - Indoor Aquatics Center <i>General Fund</i>	PR1811CIP	1		330,000				330,000
				<i>330,000</i>				<i>330,000</i>

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Indoor Aquatic Center--Add Event Space <i>General Obligation Debt</i>	PR1812CIP	4		900,000 <i>900,000</i>				<i>900,000</i> 900,000
Holcom Park Center - HVAC Replacement (Gym) <i>General Fund</i>	PR1814CIP	2		250,000 <i>250,000</i>				<i>250,000</i> 250,000
HPSC Ball Diamond Light Replacement <i>General Fund</i>	PR1815CIP	2		500,000 <i>500,000</i>				<i>500,000</i> 500,000
Parks & Recreation Maintenance and Repairs <i>General Fund</i>	PR1901CIP	1			576,000 <i>576,000</i>			<i>576,000</i> 576,000
Prairie Park Nature Center Playground (ADA) <i>General Fund</i>	PR1903CIP	2			60,000 <i>60,000</i>			<i>60,000</i> 60,000
Broken Arrow Park Parking Lot <i>General Fund</i>	PR1905CIP	3			75,000 <i>75,000</i>			<i>75,000</i> 75,000
East Lawrence Recreation Center Renovation <i>General Fund</i>	PR1906CIP	2			75,000 <i>75,000</i>			<i>75,000</i> 75,000
Holcom Park Recreation Center Renovation <i>General Fund</i>	PR1907CIP	2			75,000 <i>75,000</i>			<i>75,000</i> 75,000
Carnegie Building tuck-point (Historic Building) <i>Guest Tax Fund</i>	PR1908CIP	2			150,000 <i>150,000</i>			<i>150,000</i> 150,000
Union Pacific Depot Renovations <i>General Fund</i>	PR1909CIP	4			75,000 <i>75,000</i>			<i>75,000</i> 75,000
Burcham Park/Upgrade Shelter and Playground <i>General Fund</i>	PR1910CIP	4			100,000 <i>100,000</i>			<i>100,000</i> 100,000
Veterans Park Courts <i>General Fund</i>	PR1911CIP	4			115,000 <i>115,000</i>			<i>115,000</i> 115,000
Peterson Park New Development <i>General Fund</i>	PR1912CIP	2			200,000 <i>200,000</i>			<i>200,000</i> 200,000
Downtown Pavers <i>Guest Tax Fund</i>	PR1913CIP	1			75,000 <i>75,000</i>			<i>75,000</i> 75,000
Clinton Lake Regional Park - 27th street <i>General Obligation Debt</i>	PR1914CIP	2			400,000 <i>400,000</i>			<i>400,000</i> 400,000
Replace Asphalt in Parking Lot at Arboretum <i>General Fund</i>	PR1915CIP	3			35,000 <i>35,000</i>			<i>35,000</i> 35,000
Park Land Acquisition - South <i>General Obligation Debt</i>	PR1916CIP	2			300,000 <i>300,000</i>			<i>300,000</i> 300,000
Parks & Recreation - Trash Truck Replacement <i>General Fund</i>	PR1981CIP	1			80,000 <i>80,000</i>			<i>80,000</i> 80,000
Parks & Recreation - Backhoe Replacement <i>General Fund</i>	PR1982CIP	1			80,000 <i>80,000</i>			<i>80,000</i> 80,000
Parks & Recreation Maintenance and Repairs <i>General Fund</i>	PR2001CIP	1				588,000 <i>588,000</i>		<i>588,000</i> 588,000
Overland Drive Park Development <i>General Obligation Debt</i>	PR2002CIP	4				200,000 <i>200,000</i>		<i>200,000</i> 200,000
SPL Equipment Storage Building <i>General Obligation Debt</i>	PR2003CIP	4				150,000 <i>150,000</i>		<i>150,000</i> 150,000
Develop Green Meadows Park <i>General Obligation Debt</i>	PR2004CIP	4				150,000 <i>150,000</i>		<i>150,000</i> 150,000
Indoor Aquatic Center Pool Paint <i>General Fund</i>	PR2005CIP	3				75,000 <i>75,000</i>		<i>75,000</i> 75,000
Lyons Park Playground/Shelter Replacement <i>General Fund</i>	PR2006CIP	2				120,000 <i>120,000</i>		<i>120,000</i> 120,000
Replace Shelter Add Restroom in Deerfield <i>General Fund</i>	PR2007CIP	4				120,000 <i>120,000</i>		<i>120,000</i> 120,000
McDonald Drive -KTA City Entrance landscape <i>General Fund</i>	PR2008CIP	4				75,000 <i>75,000</i>		<i>75,000</i> 75,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Edgewood Park-Upgrade courts and ball diamond <i>General Fund</i>	PR2009CIP	4				75,000 75,000		75,000 75,000
Farmers Market <i>Guest Tax Fund</i>	PR2011CIP	1				200,000 200,000		200,000 200,000
Park Land Acquisition - West <i>General Obligation Debt</i>	PR2012CIP	1				300,000 300,000		300,000 300,000
Parks & Recreation - Rollback Truck <i>General Obligation Debt</i>	PR2081CIP	4				100,000 100,000		100,000 100,000
Parks & Recreation Maintenance and Repairs <i>General Fund</i>	PR2101CIP	1					600,000 600,000	600,000 600,000
Equipment Replacement - Chipper Truck <i>General Obligation Debt</i>	PR2181CIP	2					100,000 100,000	100,000 100,000
Parks and Recreation Total			1,885,000	3,352,000	2,471,000	2,153,000	700,000	10,561,000

Planning & Development

One Stop Shop <i>General Obligation Debt</i>	PS1701CIP	4	30,000 30,000	2,050,000 2,050,000				2,080,000 2,080,000
Planning & Development Total			30,000	2,050,000				2,080,000

Police

Mobile Data Computers <i>General Obligation Debt</i>	PD1701CIP	1	672,100 672,100					672,100 672,100
Vehicles <i>General Fund</i>	PD1702CIP	1	392,000 392,000	399,840 399,840	407,837 407,837	415,994 415,994	424,313 424,313	2,039,984 2,039,984
ITC Deferred Maintenance <i>General Obligation Debt</i>	PD1704CIP	1		619,000 619,000				619,000 619,000
FARO Scanner <i>General Obligation Debt</i>	PD1705CIP	2	95,000 95,000					95,000 95,000
Firearms Simulator <i>General Obligation Debt</i>	PD1706CIP	2		300,000 300,000				300,000 300,000
Parking Garage Paystations <i>Public Parking</i>	PD1707CIP	1	99,000 99,000					99,000 99,000
Design Police Facility <i>General Obligation Debt</i>	PD1708CIP	n/a	1,500,000 1,500,000					1,500,000 1,500,000
Police Total			2,758,100	1,318,840	407,837	415,994	424,313	5,325,084

Public Transit

Multi Modal Facility <i>Intergovernmental</i> <i>Public Transit Fund</i>	TI01	n/a	30,600,000 26,600,000 4,000,000					30,600,000 26,600,000 4,000,000
Transit Shelters and Additional Amenities <i>Public Transit Fund</i>	TI02	n/a	150,000 150,000	150,000 150,000	150,000 150,000	150,000 150,000	150,000 150,000	750,000 750,000
Fixed Route Transit Buses <i>Public Transit Fund</i>	TI03	n/a	1,500,000 1,500,000	500,000 500,000	500,000 500,000	500,000 500,000	500,000 500,000	3,000,000 3,500,000
Public Transit Total			32,250,000	150,000	650,000	650,000	650,000	34,350,000

Public Works

31st - Haskell to O'Connell <i>General Obligation Debt</i>	18P07S	1		1,000,000 1,000,000				1,000,000 1,000,000
Bike / Ped Improvements / ADA Ramps	CI09	2	450,000	450,000	450,000	450,000	450,000	2,250,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
<i>Capital Improvement Reserve Fund - Infrastructure</i>			200,000	200,000	200,000	200,000	200,000	1,000,000
<i>General Obligation Debt</i>			250,000	250,000	250,000	250,000	250,000	1,250,000
<i>Unfunded</i>			550,000	550,000	550,000	550,000	550,000	2,750,000
KLINK	PW1701Kcip	n/a	600,000	600,000	600,000	600,000	600,000	3,000,000
<i>General Obligation Debt</i>			300,000	300,000	300,000	300,000	300,000	1,500,000
<i>Intergovernmental</i>			300,000	300,000	300,000	300,000	300,000	1,500,000
Annual Vehicle Replacement Program	PW1702CIP	2	500,000	500,000	500,000	500,000	500,000	2,500,000
<i>Capital Improvement Reserve Fund</i>			500,000	500,000	500,000	500,000	500,000	2,500,000
Parking garage assessments/maintenance	PW17B10CIP	4	150,000					150,000
<i>Public Parking</i>			150,000					150,000
Roof replacement F/M #3	PW17B1CIP	4	140,000					140,000
<i>General Obligation Debt</i>			140,000					140,000
Fire Medical roof and drainage Maintenance	PW17B2CIP	4	90,000					90,000
<i>General Obligation Debt</i>			90,000					90,000
Downtown Canopy Lighting sidewalk and roofing	PW17B4CIP	2	350,000					350,000
<i>General Obligation Debt</i>			350,000					350,000
Community Health Boiler replacement	PW17B5CIP	5	225,000					225,000
<i>General Obligation Debt</i>			112,500					112,500
<i>Intergovernmental</i>			112,500					112,500
Community Health Chiller replacement	PW17B6CIP	4	325,000					325,000
<i>General Obligation Debt</i>			162,500					162,500
<i>Intergovernmental</i>			162,500					162,500
Community Health Building Stabilization	PW17B7CIP	4	75,000					75,000
<i>General Obligation Debt</i>			37,500					37,500
<i>Intergovernmental</i>			37,500					37,500
19th Street - Iowa to Naismith	PW17E10CIP	1		2,000,000				2,000,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>				2,000,000				2,000,000
Kasold Reconstruction - 6th St to Bob Billings Pkwy	PW17E1CIP	1	5,000,000					5,000,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>			4,500,000					4,500,000
<i>Intergovernmental</i>			500,000					500,000
Wakarusa Reconstruction - Inverness to 6th Street	PW17E2CIP	1	3,000,000					3,000,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>			2,500,000					2,500,000
<i>Intergovernmental</i>			500,000					500,000
19th Street Reconstruction - Harper to O'Connell	PW17E3CIP	1		2,100,000				2,100,000
<i>General Obligation Debt</i>				1,350,000				1,350,000
<i>Intergovernmental</i>				750,000				750,000
Queens Road Improvements - 6th to City Limits	PW17E4CIP	1	300,000	3,500,000				3,800,000
<i>General Obligation Debt</i>			300,000	3,500,000				3,800,000
CDBG Sidewalk Gap Program	PW17E7CIP	2	100,000					100,000
<i>Intergovernmental</i>			100,000					100,000
Traffic Calming	PW17E8CIP	4	200,000	200,000	200,000	200,000	200,000	1,000,000
<i>General Obligation Debt</i>			200,000	200,000	200,000	200,000	200,000	1,000,000
Bowersock Dam	PW17E9CIP	2		1,000,000				1,000,000
<i>Utility - Water</i>				1,000,000				1,000,000
313 Bobcat Replacement	PW17F10CIP	4	75,000					75,000
<i>General Obligation Debt</i>			75,000					75,000
Street Sweeper	PW17F1CIP	4	280,000					280,000
<i>Stormwater Fund</i>			280,000					280,000
366 Class 5 dump truck replacement	PW17F2CIP	3	105,000					105,000
<i>Stormwater Fund</i>			105,000					105,000
331 Tandam axle dump truck replacement	PW17F3CIP	4	195,000					195,000
<i>Special Gas Tax Fund</i>			195,000					195,000
337 Class 5 dump truck replacement	PW17F4CIP	4	105,000					105,000
<i>Special Gas Tax Fund</i>			105,000					105,000
394 Rubber tire loader replacement	PW17F9CIP	4	75,000					75,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
<i>Stormwater Fund</i>			75,000					75,000
2017 Contracted Street Maintenance Program	PW17SM1CIP	1	3,140,000	3,140,000	3,140,000	3,140,000	3,140,000	15,700,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>			800,000	800,000	800,000	800,000	800,000	4,000,000
<i>General Fund</i>			2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
<i>Special Gas Tax Fund</i>			200,000	200,000	200,000	200,000	200,000	1,000,000
<i>Stormwater Fund</i>			140,000	140,000	140,000	140,000	140,000	700,000
<i>Unfunded</i>			2,860,000	2,860,000	2,860,000	5,720,000	2,860,000	17,160,000
Contract Milling for In House Pavement Rehab	PW17SM4CIP	4	100,000	100,000	100,000	100,000	100,000	500,000
<i>Special Gas Tax Fund</i>			100,000	100,000	100,000	100,000	100,000	500,000
ITS Video Detection/ upgrade and replacement	PW17SM5CIP	2	150,000	153,000	156,060	159,181	162,365	780,606
<i>Special Gas Tax Fund</i>			150,000	153,000	156,060	159,181	162,365	780,606
Fire/Medical HVAC&General repairs	PW18B1CIP	4		120,000				120,000
<i>General Obligation Debt</i>				120,000				120,000
Community Health Roof replacement	PW18B3CIP	4		500,000				500,000
<i>General Obligation Debt</i>				250,000				250,000
<i>Intergovernmental</i>				250,000				250,000
Generator replacement Community Health	PW18B4CIP	4		80,000				80,000
<i>General Obligation Debt</i>				80,000				80,000
City Hall fire alarm panel and general maint.	PW18B5CIP	4		120,000				120,000
<i>General Obligation Debt</i>				120,000				120,000
Remodel Traffic Bldg 445 Mississippi	PW18B6CIP	4		240,000				240,000
<i>General Obligation Debt</i>				240,000				240,000
Vehicle Maintenance Garage feasibility study	PW18B8CIP	4		100,000				100,000
<i>General Fund</i>				100,000				100,000
Kasold - Clinton Pkwy to HyVee	PW18E2CIP	1		1,000,000				1,000,000
<i>General Obligation Debt</i>				1,000,000				1,000,000
23rd Street - Haskell Bridge to East City Limits	PW18E3CIP	1			6,500,000	2,500,000		9,000,000
<i>General Obligation Debt</i>					2,500,000	2,500,000		5,000,000
<i>Intergovernmental</i>					4,000,000			4,000,000
CDBG Sidewalk Gap Program	PW18E6CIP	2		100,000				100,000
<i>Intergovernmental</i>				100,000				100,000
397 Class 5 dump truck replacement	PW18F10CIP	4		100,000				100,000
<i>Special Gas Tax Fund</i>				100,000				100,000
367 Bobcat replacement	PW18F11CIP	3	75,000					75,000
<i>General Obligation Debt</i>			75,000					75,000
361 Street sweeper replacement	PW18F6CIP	4		290,000				290,000
<i>Stormwater Fund</i>				290,000				290,000
Backhoe Lease	PW18F7CIP	4		150,000				150,000
<i>Special Gas Tax Fund</i>				50,000				50,000
<i>Stormwater Fund</i>				100,000				100,000
328 Tandem axle dump truck replacement	PW18F8CIP	4		185,000				185,000
<i>General Obligation Debt</i>				185,000				185,000
396 Class 5 dump truck replacement	PW18F9CIP	3		100,000				100,000
<i>Special Gas Tax Fund</i>				100,000				100,000
Farmland Pond Cap	PW18V01CIP	n/a		1,000,000				1,000,000
<i>Farmland Remediation</i>				1,000,000				1,000,000
Pole lighting and HVAC upgrade Airport	PW19A1CIP	3			75,000			75,000
<i>General Obligation Debt</i>					75,000			75,000
Pavement Maintenance airport	PW19A2CIP	4			100,000			100,000
<i>General Obligation Debt</i>					100,000			100,000
Fire/medical HVAC replacement	PW19B1CIP	1			100,000			100,000
<i>General Obligation Debt</i>					100,000			100,000
Downtown parking lot maintenance	PW19B3CIP	3			200,000			200,000
<i>General Obligation Debt</i>					200,000			200,000
ITC Exterior repairs and HVAC	PW19B4CIP	1			750,000			750,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
<i>General Obligation Debt</i>					750,000			750,000
Wakarusa - 18th St to Research Pkwy	PW19E1CIP	1			2,600,000			2,600,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>					2,600,000			2,600,000
CDBG Sidewalk Gap Program	PW19E4CIP	3			100,000			100,000
<i>Intergovernmental</i>					100,000			100,000
Additional Streets Unit	PW19F10CIP	3			110,000			110,000
<i>Special Gas Tax Fund</i>					110,000			110,000
395 Street flush tank truck replacement	PW19F11CIP	3			150,000			150,000
<i>General Obligation Debt</i>					150,000			150,000
307 Road tractor replacement	PW19F12CIP	2			115,000			115,000
<i>Special Gas Tax Fund</i>					115,000			115,000
Paver Replacement	PW19F13CIP	2			200,000			200,000
<i>General Obligation Debt</i>					200,000			200,000
Combination hook lift truck	PW19F8CIP	4			206,000			206,000
<i>Special Gas Tax Fund</i>					206,000			206,000
Combination Vac/Jet Truck	PW19F9CIP	1			345,000			345,000
<i>Stormwater Fund</i>					345,000			345,000
Lighting Upgrade New Hampshire garage	PW20B1CIP	4				75,000		75,000
<i>Public Parking</i>						75,000		75,000
Pavement repair Fire Med/investigation training	PW20B3CIP	4				630,000		630,000
<i>General Obligation Debt</i>						630,000		630,000
Wakarusa - 18th Street to 23rd Street	PW20E1CIP	3				2,500,000		2,500,000
<i>General Obligation Debt</i>						2,500,000		2,500,000
CDBG Sidewalk Gap Program	PW20E4CIP	2				100,000		100,000
<i>Intergovernmental</i>						100,000		100,000
Additional Truck Streets	PW20F10CIP	3				115,000		115,000
<i>General Obligation Debt</i>						115,000		115,000
362 Street sweeper replacement	PW20F6CIP	3				285,000		285,000
<i>Stormwater Fund</i>						285,000		285,000
Loader Replacement	PW20F7CIP	3				80,000		80,000
<i>Stormwater Fund</i>						80,000		80,000
Hook Patch Unit	PW20F8CIP	3				160,000		160,000
<i>Special Gas Tax Fund</i>						160,000		160,000
760 Mobile crane truck replacement	PW20F9CIP	4				300,000		300,000
<i>General Obligation Debt</i>						300,000		300,000
Fire Med.4 &5 pavement repair	PW21B4CIP	3					840,000	840,000
<i>General Obligation Debt</i>							840,000	840,000
Solid Waste upgrades	PW21B5CIP	3					200,000	200,000
<i>Solid Waste Fund</i>							200,000	200,000
CDBG Sidewalk Gap Program	PW21E3CIP	4					100,000	100,000
<i>Intergovernmental</i>							100,000	100,000
734 Track loader replacement	PW21F10CIP	4					220,000	220,000
<i>General Obligation Debt</i>							220,000	220,000
735 excavator replacement	PW21F11CIP	4					305,000	305,000
<i>General Obligation Debt</i>							305,000	305,000
765 Single axle dump truck replacement	PW21F7CIP	4					215,000	215,000
<i>Stormwater Fund</i>							215,000	215,000
322 Single axle dump truck replacement	PW21F8CIP	4					215,000	215,000
<i>Special Gas Tax Fund</i>							215,000	215,000
Backhoe Lease	PW21F9CIP	4					160,000	160,000
<i>Special Gas Tax Fund</i>							52,000	52,000
<i>Stormwater Fund</i>							108,000	108,000
27th St Bridge	PW21SM3CIP	2					500,000	500,000
<i>Capital Improvement Reserve Fund - Infrastructure</i>							500,000	500,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Public Works Total			15,805,000	18,828,000	16,697,060	11,894,181	7,907,365	71,131,606
Public Works - Airport								
Wildlifence	PW17A1CIP	2	805,000					805,000
<i>Airport</i>			80,500					80,500
<i>Intergovernmental</i>			724,500					724,500
Reconstruct Terminal Apron	PW18A2CIP	2	136,000	1,224,000				1,360,000
<i>General Obligation Debt</i>				136,000				136,000
<i>Intergovernmental</i>			136,000	1,088,000				1,224,000
Reconstruct RWY15-33	PW19A3CIP	3		125,000	1,875,000			2,000,000
<i>General Obligation Debt</i>					200,000			200,000
<i>Intergovernmental</i>				125,000	1,675,000			1,800,000
Land Acquisition RWY1/19	PW19A4CIP	3			190,000			190,000
<i>Airport</i>					19,000			19,000
<i>Intergovernmental</i>					171,000			171,000
Drainage Improvements	PW20A5CIP	3			150,000	1,350,000		1,500,000
<i>Intergovernmental</i>						1,350,000		1,350,000
<i>Stormwater Fund</i>					150,000			150,000
Public Works - Airport Total			941,000	1,349,000	2,215,000	1,350,000		5,855,000
Public Works - Solid Waste								
426 Automated Side Load Refuse truck	PW17F5CIP	4	225,500					225,500
<i>Solid Waste Fund</i>			225,500					225,500
427 Dual purpose front load and ASL	PW17F6CIP	4	275,000					275,000
<i>Solid Waste Fund</i>			275,000					275,000
421 Rear load refuse truck	PW17F7CIP	4	160,000					160,000
<i>Solid Waste Fund</i>			160,000					160,000
489 Rolloff container truck repalcement	PW17F8CIP	4	140,000					140,000
<i>Solid Waste Fund</i>			140,000					140,000
Solid Waste Facility at Kresge	PW17SW1	1	2,700,000					2,700,000
<i>Solid Waste Fund</i>			2,700,000					2,700,000
475 Small rear load refuse truck replacement	PW18F1CIP	4		90,000				90,000
<i>Solid Waste Fund</i>				90,000				90,000
428 Rear load refuse truck replacement	PW18F2CIP	4		140,000				140,000
<i>Solid Waste Fund</i>				140,000				140,000
Automated Side Load Unit	PW18F3CIP	3		230,000				230,000
<i>Solid Waste Fund</i>				230,000				230,000
490 Rubber tire loader replacement	PW18F4CIP	4		195,000				195,000
<i>Solid Waste Fund</i>				195,000				195,000
439 Roll off container truck replacement	PW18F5CIP	4		160,000				160,000
<i>Solid Waste Fund</i>				160,000				160,000
413 Front load refuse truck replacement	PW19F1CIP	3			250,000			250,000
<i>Solid Waste Fund</i>					250,000			250,000
499 Small conatiner truck replacement	PW19F2CIP	3			110,000			110,000
<i>Solid Waste Fund</i>					110,000			110,000
430 Rear load refuse truck replacement	PW19F3CIP	3			170,000			170,000
<i>Solid Waste Fund</i>					170,000			170,000
434 Rear load refuse truck replacement	PW19F4CIP	3			170,000			170,000
<i>Solid Waste Fund</i>					170,000			170,000
435 Rear load refuse truck replacement	PW19F5CIP	3			170,000			170,000
<i>Solid Waste Fund</i>					170,000			170,000
468 Rear load refuse truck replacement	PW19F6CIP	3			170,000			170,000
<i>Solid Waste Fund</i>					170,000			170,000

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
447 Roll off container truck replacement <i>Solid Waste Fund</i>	PW20F1CIP	3				170,000 <i>170,000</i>		170,000 <i>170,000</i>
414 Front load refuse truck replacement <i>Solid Waste Fund</i>	PW20F2CIP	3				240,000 <i>240,000</i>		240,000 <i>240,000</i>
437 Automated side load refuse truck <i>Solid Waste Fund</i>	PW20F3CIP	3				230,000 <i>230,000</i>		230,000 <i>230,000</i>
436 Automated side load refuse truck <i>Solid Waste Fund</i>	PW20F4CIP	3				230,000 <i>230,000</i>		230,000 <i>230,000</i>
433 Rear load refuse truck replacement <i>Solid Waste Fund</i>	PW20F5CIP	3				170,000 <i>170,000</i>		170,000 <i>170,000</i>
449 Automated side load refuse truck <i>Solid Waste Fund</i>	PW21F1CIP	4					240,000 <i>240,000</i>	240,000 <i>240,000</i>
448 Automated side load refuse truck <i>Solid Waste Fund</i>	PW21F2CIP	4					240,000 <i>240,000</i>	240,000 <i>240,000</i>
445 Roll off container truck replacement <i>Solid Waste Fund</i>	PW21F3CIP	4					170,000 <i>170,000</i>	170,000 <i>170,000</i>
444 Roll off container truck replacement <i>Solid Waste Fund</i>	PW21F4CIP	4					170,000 <i>170,000</i>	170,000 <i>170,000</i>
486 Rubber tire loader replacement <i>Solid Waste Fund</i>	PW21F5CIP	4					200,000 <i>200,000</i>	200,000 <i>200,000</i>
415 Front load refuse truck replacement <i>Solid Waste Fund</i>	PW21F6CIP	4					255,000 <i>255,000</i>	255,000 <i>255,000</i>
Public Works - Solid Waste Total			3,500,500	815,000	1,040,000	1,040,000	1,275,000	7,670,500

Public Works - Stormwater

Storm Sewer Video Inspection Unit <i>Stormwater Fund</i>	PW17S1CIP	3	150,000 <i>150,000</i>					150,000 <i>150,000</i>
13th Brook Drainage Improvement Improvements <i>Stormwater Fund</i>	PW17S2CIP	4	250,000 <i>250,000</i>					250,000 <i>250,000</i>
Storm Water Culvert Lining <i>Stormwater Fund</i>	PW17S3CIP	3	250,000 <i>250,000</i>	250,000 <i>250,000</i>	250,000 <i>250,000</i>	250,000 <i>250,000</i>	250,000 <i>250,000</i>	1,250,000 <i>1,250,000</i>
Naismith Drainage Channel <i>Stormwater Fund</i>	PW18S1CIP	1		2,500,000 <i>2,500,000</i>				2,500,000 <i>2,500,000</i>
23rd & Ousdahl <i>Stormwater Fund</i>	PW18S2CIP	2		2,400,000 <i>2,400,000</i>				2,400,000 <i>2,400,000</i>
17th and Alabama Drainage Improvement <i>Stormwater Fund</i>	PW19S1CIP	1			2,500,000 <i>2,500,000</i>			2,500,000 <i>2,500,000</i>
Concrete Channel W of Arrowhead Princeton to Peter <i>Stormwater Fund</i>	PW20S1CIP	3				1,000,000 <i>1,000,000</i>		1,000,000 <i>1,000,000</i>
19th St Maple Ln to Brook <i>Stormwater Fund</i>	PW21S1CIP	2					2,000,000 <i>2,000,000</i>	2,000,000 <i>2,000,000</i>
Public Works - Stormwater Total			650,000	5,150,000	2,750,000	1,250,000	2,250,000	12,050,000

Utilities

Wakarusa WWTP and Conveyance Corridor <i>Utility - Wastewater</i>	UT1304CIP	1	29,300,000 <i>29,300,000</i>					29,300,000 <i>29,300,000</i>
Oread Storage Tank & Booster Pump Stn Replacement <i>Utility - Water</i>	UT1307CIP	1	4,230,000 <i>4,230,000</i>					4,230,000 <i>4,230,000</i>
23rd St Waterline Replacement, Ousdahl to Alabama <i>Utility - Water</i>	UT1504CIP	1		540,000 <i>540,000</i>				540,000 <i>540,000</i>
23rd and Ousdahl Waterline Replacement <i>Utility - Water</i>	UT1505CIP	1			210,000 <i>210,000</i>			210,000 <i>210,000</i>

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
19th Street Utilities Relocation <i>Utility - Water</i>	UT1518CIP	1	1,420,920 <i>1,420,920</i>					1,420,920 <i>1,420,920</i>
2017 Sewer Main Relocations for Road Projects <i>Utility - Wastewater</i>	UT1793CIP	1	351,000 <i>351,000</i>					351,000 <i>351,000</i>
2017 Rapid I/I Reduction Program <i>Utility - Wastewater</i>	UT1795CIP	1	2,000,000 <i>2,000,000</i>					2,000,000 <i>2,000,000</i>
Collection System Field Operations Building <i>Utility - Wastewater</i>	UT1796CIP	1	350,000 <i>350,000</i>	6,650,000 <i>6,650,000</i>				7,000,000 <i>7,000,000</i>
2017 Clinton WTP Improvement Program <i>Utility - Water</i>	UT1797CIP	1	324,500 <i>324,500</i>					324,500 <i>324,500</i>
2017 Kaw WTP Improvement Program <i>Utility - Water</i>	UT1798CIP	1	324,500 <i>324,500</i>					324,500 <i>324,500</i>
2017 Watermain Replacement/Relocation Program <i>Utility - Water</i>	UT1799CIP	1	3,935,700 <i>3,935,700</i>					3,935,700 <i>3,935,700</i>
2018 Sewer Main Relocations for Road Projects <i>Utility - Wastewater</i>	UT1886CIP	1		390,000 <i>390,000</i>				390,000 <i>390,000</i>
2018 WW Failed Infrastructure Contingency <i>Utility - Wastewater</i>	UT1887CIP	1		390,000 <i>390,000</i>				390,000 <i>390,000</i>
2018 Pump Station Annual Improvements <i>Utility - Wastewater</i>	UT1888CIP	1		140,000 <i>140,000</i>				140,000 <i>140,000</i>
2018 Kansas River WWTP Annual Improvements <i>Utility - Wastewater</i>	UT1889CIP	1		390,000 <i>390,000</i>				390,000 <i>390,000</i>
2018 Clay Pipe/Manhole Rehabilitation <i>Utility - Wastewater</i>	UT1890CIP	1		1,130,000 <i>1,130,000</i>				1,130,000 <i>1,130,000</i>
2018 Rapid I/I Reduction Program <i>Utility - Wastewater</i>	UT1891CIP	1		2,830,000 <i>2,830,000</i>				2,830,000 <i>2,830,000</i>
PS #8 Elimination - 21" Gravity Sewer <i>Utility - Wastewater</i>	UT1892CIP	1		450,000 <i>450,000</i>	4,160,000 <i>4,160,000</i>			4,610,000 <i>4,610,000</i>
2018 Clinton WTP Improvement Program <i>Utility - Water</i>	UT1893CIP	1					450,000 <i>450,000</i>	450,000 <i>450,000</i>
2018 Kaw WTP Improvement Program <i>Utility - Water</i>	UT1894CIP	1		400,000 <i>400,000</i>				400,000 <i>400,000</i>
2018 Watermain Replacement/Relocation Program <i>Utility - Water</i>	UT1895CIP	1		4,190,000 <i>4,190,000</i>				4,190,000 <i>4,190,000</i>
Vermont Bridge Concrete Main Assessment <i>Utility - Water</i>	UT1896CIP	1		400,000 <i>400,000</i>				400,000 <i>400,000</i>
2018 Kaw Water TP Infrastructure Rehab <i>Utility - Water</i>	UT1897CIP	1		1,000,000 <i>1,000,000</i>				1,000,000 <i>1,000,000</i>
Automated Meter Reading Installation <i>Utility - Water</i>	UT1898CIP	1		7,880,000 <i>7,880,000</i>	8,190,000 <i>8,190,000</i>			16,070,000 <i>16,070,000</i>
Stratford Tower Replacement <i>Utility - Water</i>	UT1899CIP	1		360,000 <i>360,000</i>	3,290,000 <i>3,290,000</i>			3,650,000 <i>3,650,000</i>
2019 Sewer Main Relocations for Road Projects <i>Utility - Wastewater</i>	UT1989CIP	1			400,000 <i>400,000</i>			400,000 <i>400,000</i>
2019 WW Failed Infrastructure Contingency <i>Utility - Wastewater</i>	UT1990CIP	1			400,000 <i>400,000</i>			400,000 <i>400,000</i>
2019 Pump Station Annual Improvements <i>Utility - Wastewater</i>	UT1991CIP	1			150,000 <i>150,000</i>			150,000 <i>150,000</i>
2019 Kansas River WWTP Annual Improvements <i>Utility - Wastewater</i>	UT1992CIP	1			400,000 <i>400,000</i>			400,000 <i>400,000</i>
2019 Clay Pipe/Manhole Rehabilitation <i>Utility - Wastewater</i>	UT1993CIP	1			3,510,000 <i>3,510,000</i>			3,510,000 <i>3,510,000</i>
2019 Rapid I/I Reduction Program <i>Utility - Wastewater</i>	UT1994CIP	1			2,950,000 <i>2,950,000</i>			2,950,000 <i>2,950,000</i>

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Kansas River WWTP Nutrient Removal Pilot <i>Utility - Wastewater</i>	UT1995CIP	1			590,000 <i>590,000</i>	610,000 <i>610,000</i>		1,200,000 <i>1,200,000</i>
Pump Station 25 Expansion to 4 MG <i>Utility - Wastewater</i>	UT1996CIP	1			200,000 <i>200,000</i>			200,000 <i>200,000</i>
2019 Clinton WTP Improvement Program <i>Utility - Water</i>	UT1997CIP	1			410,000 <i>410,000</i>			410,000 <i>410,000</i>
2019 Kaw WTP Improvement Program <i>Utility - Water</i>	UT1998CIP	1			410,000 <i>410,000</i>			410,000 <i>410,000</i>
2019 Watermain Replacement/Relocation Program <i>Utility - Water</i>	UT1999CIP	1			4,360,000 <i>4,360,000</i>			4,360,000 <i>4,360,000</i>
2020 Sewer Main Relocations for Road Projects <i>Utility - Wastewater</i>	UT2084CIP	1				420,000 <i>420,000</i>		420,000 <i>420,000</i>
2020 WW Failed Infrastructure Contingency <i>Utility - Wastewater</i>	UT2085CIP	1				420,000 <i>420,000</i>		420,000 <i>420,000</i>
2020 Pump Station Annual Improvements <i>Utility - Wastewater</i>	UT2086CIP	1				150,000 <i>150,000</i>		150,000 <i>150,000</i>
2020 Kansas River WWTP Annual Improvements <i>Utility - Wastewater</i>	UT2087CIP	1				420,000 <i>420,000</i>		420,000 <i>420,000</i>
2020 Clay Pipe/Manhole Rehabilitation <i>Utility - Wastewater</i>	UT2088CIP	1				1,220,000 <i>1,220,000</i>		1,220,000 <i>1,220,000</i>
2020 Rapid I/I Reduction Program <i>Utility - Wastewater</i>	UT2089CIP	1				3,060,000 <i>3,060,000</i>		3,060,000 <i>3,060,000</i>
Pump Station 16 Upstream Interceptor Rehab <i>Utility - Wastewater</i>	UT2090CIP	1				1,270,000 <i>1,270,000</i>		1,270,000 <i>1,270,000</i>
Pump Station 23 Submersible <i>Utility - Wastewater</i>	UT2091CIP	1				420,000 <i>420,000</i>		420,000 <i>420,000</i>
Pump Station 9 Expansion to 14 MG <i>Utility - Wastewater</i>	UT2092CIP	1				3,160,000 <i>3,160,000</i>		3,160,000 <i>3,160,000</i>
2020 Clinton WTP Improvement Program <i>Utility - Water</i>	UT2093CIP	1				430,000 <i>430,000</i>		430,000 <i>430,000</i>
Clinton WTP Plant Piping <i>Utility - Water</i>	UT2094CIP	1				3,650,000 <i>3,650,000</i>		3,650,000 <i>3,650,000</i>
2020 Kaw WTP Improvement Program <i>Utility - Water</i>	UT2095CIP	1				430,000 <i>430,000</i>		430,000 <i>430,000</i>
2020 Kaw WTP Infrastructure Rehab <i>Utility - Water</i>	UT2096CIP	1				4,160,000 <i>4,160,000</i>		4,160,000 <i>4,160,000</i>
2020 Watermain Replacement/Relocation Program <i>Utility - Water</i>	UT2097CIP	1				4,540,000 <i>4,540,000</i>		4,540,000 <i>4,540,000</i>
Kanwaka Pressure Zone <i>Utility - Water</i>	UT2098CIP	1				850,000 <i>850,000</i>	7,940,000 <i>7,940,000</i>	8,790,000 <i>8,790,000</i>
Clinton Storage Tanks Maintenance/ Coatings <i>Utility - Water</i>	UT2099CIP	1				2,440,000 <i>2,440,000</i>		2,440,000 <i>2,440,000</i>
2021 Sewer Main Relocations for Road Projects <i>Utility - Wastewater</i>	UT2189CIP	1					440,000 <i>440,000</i>	440,000 <i>440,000</i>
2021 WW Failed Infrastructure Contingency <i>Utility - Wastewater</i>	UT2190CIP	1					440,000 <i>440,000</i>	440,000 <i>440,000</i>
2021 Pump Station Annual Improvements <i>Utility - Wastewater</i>	UT2191CIP	1					160,000 <i>160,000</i>	160,000 <i>160,000</i>
2021 WWTP Annual Improvements (2 PLANTS) <i>Utility - Wastewater</i>	UT2192CIP	1					870,000 <i>870,000</i>	870,000 <i>870,000</i>
2021 Clay Pipe/Manhole Rehabilitation <i>Utility - Wastewater</i>	UT2193CIP	1					5,070,000 <i>5,070,000</i>	5,070,000 <i>5,070,000</i>
2021 Rapid I/I Reduction Program <i>Utility - Wastewater</i>	UT2194CIP	1					3,190,000 <i>3,190,000</i>	3,190,000 <i>3,190,000</i>

Department	Project#	Priority	2017	2018	2019	2020	2021	Total
Lower Yankee Tank Capacity <i>Utility - Wastewater</i>	UT2195CIP	1					2,850,000	2,850,000
							<i>2,850,000</i>	<i>2,850,000</i>
KR-5C 12" Relief Sewer <i>Utility - Wastewater</i>	UT2196CIP	1					1,140,000	1,140,000
							<i>1,140,000</i>	<i>1,140,000</i>
2021 Clinton WTP Improvement Program <i>Utility - Water</i>	UT2197CIP	1					450,000	450,000
							<i>450,000</i>	<i>450,000</i>
2021 Kaw WTP Improvement Program <i>Utility - Water</i>	UT2198CIP	1					450,000	450,000
							<i>450,000</i>	<i>450,000</i>
2021 Watermain Replacement/Relocation Program <i>Utility - Water</i>	UT2199CIP	1					4,720,000	4,720,000
							<i>4,720,000</i>	<i>4,720,000</i>
Utilities Total			42,236,620	27,140,000	29,630,000	27,650,000	28,170,000	154,826,620
GRAND TOTAL			107,534,720	70,012,840	57,645,397	48,583,175	44,676,678	328,452,810

Unfunded Projects

City of Lawrence, Kansas

Unfunded Projects

2017 thru 2021

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2017	2018	2019	2020	2021	Total
Unfunded								
Adequate Security Measures	CA1601CIP	2	114,600					114,600
Rotary Arboretum restroom	CI01	n/a	75,000					75,000
OPPOSITION to 19th & Harper	CI02	n/a	0					0
E 902 Road Improvements	CI03	n/a	150,000	1,250,000				1,400,000
13th and Brook Drainage Improvements	CI04	n/a	250,000					250,000
Affordable Housing Initiatives	CI05	n/a	2,700,000	2,700,000	2,650,000	2,650,000	2,650,000	13,350,000
Bike / Ped Improvements / ADA Ramps	CI09	2	550,000	550,000	550,000	550,000	550,000	2,750,000
28th Street	CM1702CIP	n/a	243,220					243,220
Arts Center Salvation Army Property	CM1703CIP	n/a	1,000,000					1,000,000
Fire Station Number 6	FM1811CIP	2		4,000,000				4,000,000
Quint for New Fire Station	FM1812CIP	2		1,250,000				1,250,000
647 Replacement Truck 5	FM2129CIP	1					1,545,000	1,545,000
Police Facility Construction	PD1703CIP	1		30,000,000				30,000,000
Body Worn Camera System	PD1709CIP	1	274,518					274,518
Install additional parking lot at Eagle Bend GC	PR1807CIP	2		125,000				125,000
Equipment Replacement- Aerial Lift Truck	PR1881CIP	1		198,000				198,000
Broken Arrow Park - Shelter, Restroom, Playground	PR1902CIP	3			350,000			350,000
Burroughs Creek Park Spray Park	PR1904CIP	4			225,000			225,000
River Walk Development	PR2010CIP	1				650,000		650,000
Outdoor Aquatic Center - Major Renovation	PR2102CIP	3					2,000,000	2,000,000
Trail from LMH to Peterson and Iowa	PR2103CIP	3					450,000	450,000
Vehicle Maintenance Garage upgrades	PW17B12CIP	4	85,000					85,000
Street Div Facility	PW17B15CIP	4	150,000					150,000
Downtown lighting pole replacement	PW17B3CIP	3	200,000	200,000	200,000	200,000	200,000	1,000,000
Window replacement City hall	PW17B8CIP	4	500,000					500,000
East 9th Street Art Place Grant	PW17E66CIP	n/a	3,500,000					3,500,000
2017 Contracted Street Maintenance Program	PW17SM1CIP	1	2,860,000	2,860,000	2,860,000	5,720,000	2,860,000	17,160,000
2017 Curb and Gutter Rehabilitation Program	PW17SM2CIP	3	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
2017 Brick Street Rehabilitation Program	PW17SM3CIP	4	500,000	500,000	500,000	500,000	500,000	2,500,000
Community Health parking surface reconditioning	PW18B2CIP	4		200,000				200,000
Street Maintenance Facility 31st Haskell	PW18B7CIP	3		3,000,000				3,000,000
Parking Garage repairs	PW18B9CIP	4		750,000				750,000
Arts center security system and general upgrades	PW19B2CIP	4			75,000			75,000
TUB GRINDER REPLACEMENT	PW19F7CIP	4	350,000					350,000
Pavement repair F/M	PW20B2CIP	4	200,000	200,000	200,000	200,000	200,000	1,000,000
T-Hangers	PWTBDA6CIP	5					1,800,000	1,800,000
Unfunded Total			14,702,338	48,783,000	8,610,000	11,470,000	13,755,000	97,320,338
GRAND TOTAL			14,702,338	48,783,000	8,610,000	11,470,000	13,755,000	97,320,338

Capital Improvement Projects by Funding Source

City of Lawrence, Kansas
City Manager's Recommended Projects
 2017 thru 2021

PROJECTS BY FUNDING SOURCE

Source	Project#	Priority	2017	2018	2019	2020	2021	Total
General Obligation Debt								
31st - Haskell to O'Connell	18P07S	1		1,000,000				1,000,000
Affordable Housing Initiatives	C105	n/a	300,000	300,000	350,000	350,000	350,000	1,650,000
Bike / Ped Improvements / ADA Ramps	C109	2	250,000	250,000	250,000	250,000	250,000	1,250,000
Animal Shelter Construction Partnership	CM1701CIP	n/a				2,500,000		2,500,000
Fire Station No. 1 Rehabilitation / Senior Center	FM1702CIP	1	5,480,000					5,480,000
Training Burn Tower Replacement	FM1703CIP	1	350,000	350,000				700,000
Emergency Vehicle Traffic Signal Preemption System	FM1705CIP	1	719,000					719,000
Apparatus Bay Exhaust System	FM1807CIP	1		200,000				200,000
641 Replacement Quint 40	FM1817CIP	3		1,250,000				1,250,000
Personal Protective Equipment Alternate Set	FM1908CIP	2			540,000			540,000
645 Replacement Rescue 5	FM1920CIP	2			760,000			760,000
Mobile Radios	FM2009CIP	1				600,000		600,000
Portable Radios	FM2010CIP	1				900,000		900,000
Training Center Remodel	FM2045CIP	4				250,000		250,000
634 Replacement Investigation Unit 1	FM2126CIP	3					375,000	375,000
642 Replacement Quint 20	FM2127CIP	2					1,287,500	1,287,500
643 Replacement Quint 50	FM2128CIP	2					1,287,500	1,287,500
Mobile Data Computers	PD1701CIP	1	672,100					672,100
ITC Deferred Maintenance	PD1704CIP	1		619,000				619,000
FARO Scanner	PD1705CIP	2	95,000					95,000
Firearms Simulator	PD1706CIP	2		300,000				300,000
Design Police Facility	PD1708CIP	n/a	1,500,000					1,500,000
Indoor Aquatic Center--Add Event Space	PR1812CIP	4		900,000				900,000
Clinton Lake Regional Park - 27th street	PR1914CIP	2			400,000			400,000
Park Land Acquisition - South	PR1916CIP	2			300,000			300,000
Overland Drive Park Development	PR2002CIP	4				200,000		200,000
SPL Equipment Storage Building	PR2003CIP	4				150,000		150,000
Develop Green Meadows Park	PR2004CIP	4				150,000		150,000
Park Land Acquisition - West	PR2012CIP	1				300,000		300,000
Parks & Recreation - Rollback Truck	PR2081CIP	4				100,000		100,000
Equipment Replacement - Chipper Truck	PR2181CIP	2					100,000	100,000
One Stop Shop	PS1701CIP	4	30,000	2,050,000				2,080,000
KLINK	PW1701Kcip	n/a	300,000	300,000	300,000	300,000	300,000	1,500,000
Roof replacement F/M #3	PW17B1CIP	4	140,000					140,000
Fire Medical roof and drainage Maintenance	PW17B2CIP	4	90,000					90,000
Downtown Canopy Lighting sidewalk and roofing	PW17B4CIP	2	350,000					350,000
Community Health Boiler replacement	PW17B5CIP	5	112,500					112,500
Community Health Chiller replacement	PW17B6CIP	4	162,500					162,500
Community Health Building Stabilization	PW17B7CIP	4	37,500					37,500
19th Street Reconstruction - Harper to O'Connell	PW17E3CIP	1		1,350,000				1,350,000
Queens Road Improvements - 6th to City Limits	PW17E4CIP	1	300,000	3,500,000				3,800,000
Traffic Calming	PW17E8CIP	4	200,000	200,000	200,000	200,000	200,000	1,000,000
313 Bobcat Replacement	PW17F10CIP	4	75,000					75,000
Reconstruct Terminal Apron	PW18A2CIP	2		136,000				136,000

Source	Project#	Priority	2017	2018	2019	2020	2021	Total
Fire/Medical HVAC&General repairs	PW18B1CIP	4		120,000				120,000
Community Health Roof replacement	PW18B3CIP	4		250,000				250,000
Generator replacement Community Health	PW18B4CIP	4		80,000				80,000
City Hall fire alarm panel and general maint.	PW18B5CIP	4		120,000				120,000
Remodel Traffic Bldg 445 Mississippi	PW18B6CIP	4		240,000				240,000
Kasold - Clinton Pkwy to HyVee	PW18E2CIP	1		1,000,000				1,000,000
23rd Street - Haskell Bridge to East City Limits	PW18E3CIP	1			2,500,000	2,500,000		5,000,000
367 Bobcat replacement	PW18F11CIP	3	75,000					75,000
328 Tandem axle dump truck replacement	PW18F8CIP	4		185,000				185,000
Pole lighting and HVAC upgrade Airport	PW19A1CIP	3			75,000			75,000
Pavement Maintenance airport	PW19A2CIP	4			100,000			100,000
Reconstruct RWY15-33	PW19A3CIP	3			200,000			200,000
Fire/medical HVAC replacement	PW19B1CIP	1			100,000			100,000
Downtown parking lot maintenance	PW19B3CIP	3			200,000			200,000
ITC Exterior repairs and HVAC	PW19B4CIP	1			750,000			750,000
395 Street flush tank truck replacement	PW19F11CIP	3			150,000			150,000
Paver Replacement	PW19F13CIP	2			200,000			200,000
Pavement repair Fire Med/investigation training	PW20B3CIP	4				630,000		630,000
Wakarusa - 18th Street to 23rd Street	PW20E1CIP	3				2,500,000		2,500,000
Additional Truck Streets	PW20F10CIP	3				115,000		115,000
760 Mobile crane truck replacement	PW20F9CIP	4				300,000		300,000
Fire Med.4 &5 pavement repair	PW21B4CIP	3					840,000	840,000
734 Track loader replacement	PW21F10CIP	4					220,000	220,000
735 excavator replacement	PW21F11CIP	4					305,000	305,000
General Obligation Debt Total			11,238,600	14,700,000	7,375,000	12,295,000	5,515,000	51,123,600
GRAND TOTAL			11,238,600	14,700,000	7,375,000	12,295,000	5,515,000	51,123,600

Capital Improvement Plan

City Manager's Recommended Projects

Data in Year 2017

Department Citizen Input

City of Lawrence, Kansas

Contact

Project # CI05
Project Name Affordable Housing Initiatives

Type Unassigned

Useful Life

Category Unassigned

Priority n/a

Status Active

Department Priority

Unfunded

Total Project Cost: \$1,650,000

Description
 To Support the acquisition, rehabilitation, and development of affordable housing and supportive services so that all persons in the community have access to independent living with dignity

Justification
 Quality housing for all income groups has been identified by the community as one of the most important issues facing the city. (Leisure Vision/ETC Institutes for the City of Lawrence/Douglas 2014)

Expenditures	2017	2018	2019	2020	2021	Total
Other	300,000	300,000	350,000	350,000	350,000	1,650,000
Total	300,000	300,000	350,000	350,000	350,000	1,650,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	300,000	300,000	350,000	350,000	350,000	1,650,000
Unfunded	2,700,000	2,700,000	2,650,000	2,650,000	2,650,000	13,350,000
Total	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Finance

City of Lawrence, Kansas

Contact Finance Director

Project # FA1601CP
Project Name Upgrade Accounting System

Type Equipment

Useful Life 5 years

Category Software

Priority 3 Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$134,000

Description
 Upgrade the Accounting and Financial Reporting System. Need to contract with computer consultant. Installation may take up to 6 months, with additional training necessary.

Justification
 Old system does not support additional mandated capabilities for tax and other reporting. IBM AS/400 will now support this system, so makes sense to move it over.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	10,000					10,000
Equip/Vehicles/Furnishings		124,000				124,000
Total	10,000	124,000				134,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	5,000	62,000				67,000
Utility - Water	5,000	62,000				67,000
Total	10,000	124,000				134,000

Budget Impact/Other
 Additional consulting service costs can be anticipated.

Budget Items	2017	2018	2019	2020	2021	Total
Other (Insurance, Utilities)	500	510				1,010
Total	500	510				1,010

City Manager's Recommended Projects

Data in Year 2017

Department Fire Medical

City of Lawrence, Kansas

Contact Fire Chief

Project # FM1702CIP
Project Name Fire Station No. 1 Rehabilitation / Senior Center

Type Improvement

Useful Life 20 years

Category Buildings

Priority 1 Critical

Status Active

Department Priority 1 Critical

Unfunded

Total Project Cost: \$6,200,000

Description
 Design of exterior and interior renovation. Building requires significant renovation to become ADA compliant and provide security to the facility. Includes finishing lower level for Senior Services.

Justification
 The Fire Medical Station No. 1, located in downtown Lawrence, was built as the City's main fire station in 1950 and renovations are needed to bring it up to current day operational needs of the City's Fire Medical Department. There are also ADA compliance issues that need to be addressed. The 2007 and 2012 accreditation evaluation recommended replacement or remodel of Station No. 1. Station No. 1's district provides necessary services of our community including North Lawrence-Airport and Central Business District.
 This project is cost share with Douglas County at 25% of actual construction cost, estimated to be \$657,500.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
200,000	Construction/Maintenance	6,000,000					6,000,000
Total	Total	6,000,000					6,000,000

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
200,000	General Obligation Debt	5,480,000					5,480,000
Total	Intergovernmental	520,000					520,000
	Total	6,000,000					6,000,000

Budget Impact/Other
 An annual debt service payment will be required. There may be a cost share with Douglas County as part of the City/County Ambulance Agreement.

Budget Items	2017	2018	2019	2020	2021	Total
Staff Cost	50,000					50,000
Total	50,000					50,000

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Improvement

Useful Life 20 years

Category Buildings

Priority 1 Critical

Status Active

Project # FM1703CIP
Project Name Training Burn Tower Replacement

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$700,000

Description
 Replacement of the Training Tower at the Training Center constructed in 1993 and has been on the department's CIP request since 2010. There were emergency structural repairs in 2003 that extended its life, however, we are currently experiencing significant maintenance issues and have to limit our live burns and continuously monitor structural stability due to rusting of wall sections.

Justification
 The 2007 and 2012 accreditation evaluation recommended replacement or remodel of the Training Tower based on the following: "The Structure is in excess of 17 years old and has outlived its usefulness. This single story training structure does not allow for basement or high rise training exercises. In addition and more importantly, it is a safety hazard. The use of Class A combustibles for training evolutions does not afford the level of safety that newer burn towers provide, which have redundant safety components and sensors built into the system."
 It is anticipated with the new construction that LPD and other Douglas County fire departments can utilize the facility.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	350,000	350,000				700,000
Total	350,000	350,000				700,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	350,000	350,000				700,000
Total	350,000	350,000				700,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Fire Medical

City of Lawrence, Kansas

Contact Fire Chief

Project # FM1705CIP
Project Name Emergency Vehicle Traffic Signal Preemption System

Type Equipment

Useful Life 20 years

Category Software

Priority 1 Critical

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$719,000

Description
 Install Opticom 764 phase selectors in all new signal installations to allow for GPS and/or infrared technologies. Install Opticom GPS vehicle transmitters in all fire medical apparatus and traffic division vehicle.

Justification
 The current traffic signal preemption system utilizes incompatible technologies. The transmitter is not performing at the intended distance. Improving this technology would reduce congestion and increase safety for Fire Medical responses to incidents.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	719,000					719,000
Total	719,000					719,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	719,000					719,000
Total	719,000					719,000

Budget Impact/Other
 The 719,000 estimates includes installation costs. Anticipated that City Traffic Division would manage installation process. The cost does not include in trade-in value of existing equipment.

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 20 years

Category Equipment

Priority 3 Important

Status Active

Project # FM1706CIP
Project Name SCBA Air Compressor Fire Station Number 1

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$50,000

Description
 Replacement of the breathing air compressor at Fire Station No. 1. This purchase is to refill breathing air as needed without moving vehicles across the City to another station with a Breathing Air Compressor. This will reduce travel time and response time for apparatus by allowing them to stay in their respective districts.

Justification
 Station No. 1 is currently using a 1995 breathing air compressor that has reached its life expectancy.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	50,000					50,000
Total	50,000					50,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Reserve Fund	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Information Technology

City of Lawrence, Kansas

Contact IT Manager

Project #	IT1701CIP
Project Name	Access Layer Switches

Type Maintenance

Useful Life 7 years

Category Equipment

Priority 1 Critical

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$170,000

Description
Several network infrastructure pieces are now reaching the end of their useful life. These are network switches that PCs, Printers, and phones plug in to get network connectivity.

Justification
These critical pieces of our IT infrastructure must remain reliable and perform at the highest levels. The new VoIP phones are doubling our current network load on these devices. Our previous experience shows that after 7 years, the reliability of network equipment decreases significantly. Also, performance becomes an issue as old equipment becomes more obsolete. New security and monitoring features are becoming more critical as new threats emerge every day. Critical pieces that need replaced include: 2017 15 switches 2018 18 switches 2019 8 switches

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	49,500	61,000	59,500			170,000
Total	49,500	61,000	59,500			170,000

Funding Sources	2017	2018	2019	2020	2021	Total
Equipment Reserve Fund	49,500	61,000	59,500			170,000
Total	49,500	61,000	59,500			170,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Parks and Recreation

Contact PR Director

Type Maintenance

Useful Life 10years

Category Park Improvements

Priority 1 Critical

Status Active

Project # PR1701CIP
Project Name Parks & Recreation Maintenance and Repairs

Department Priority 1 Critical

Unfunded

Total Project Cost: \$700,000

Description

This money is budgeted annually for repairs and improvement to all Parks & Recreation Facility and Properties

Projects range from \$1,000 - \$70,000 and are prioritized weekly as repairs are needed

Justification

The City has invested a great deal of capital funding for Park & Recreation infrastructure over the past 20 years. Failure to fund repairs and maintenance for this infrastructure will cause a rapid decline in facilities.

This fund is the only dedicated funding source for capital improvements for the department

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	700,000					700,000
Total	700,000					700,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	700,000					700,000
Total	700,000					700,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Parks and Recreation

City of Lawrence, Kansas

Contact PR Director

Project # PR1702CIP
Project Name Replace HVAC Units- Indoor Pool

Type Improvement

Useful Life 15 years

Category Buildings

Priority 1 Critical

Status Active

Department Priority 1 Critical

Unfunded

Total Project Cost: \$330,000

Description

The Lawrence Indoor Aquatics Center has three large HVAC units that are in poor condition and are in need of replacement. Recommend replacing one in 2016, 2017 and one in 2018

Justification

The Lawrence Indoor Aquatics Center was constructed in 1995. The life expectancy of the HVAC units was estimated to be 15 years. In the past several years, the department has spent a great deal of money to repair these units, and on general maintenance to keep them running properly. The engineering firm of Hoss and Brown performed an analysis of the units, and recommended them for replacement.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	330,000					330,000
Total	330,000					330,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	330,000					330,000
Total	330,000					330,000

Budget Impact/Other

With the replacement of the HVAC units, we expect the total cost of heating and air conditioning to drop.

City Manager's Recommended Projects

Data in Year 2017

Department Parks and Recreation

City of Lawrence, Kansas

Contact PR Director

Project # PR1704CIP
Project Name Install additional restrooms at YSC (ADA comp)

Type Improvement

Useful Life 30 years

Category Park Improvements

Priority 2 Very Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$120,000

Description
 Install additional restrooms at west end of YSC complex (ADA compliance)

Justification
 To provide more restrooms at west end of YSC complex. Right now this complex is spreading out and we need more restrooms for this facility. This restroom will be ADA icompliant.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	120,000					120,000
Total	120,000					120,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	120,000					120,000
Total	120,000					120,000

Budget Impact/Other
 This will add additional cost of daily clean up and additional cost of utilities.

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance			1,000			1,000
Other (Insurance, Utilities)			2,000			2,000
Total			3,000			3,000

City Manager's Recommended Projects

Data in Year 2017

Department Parks and Recreation

City of Lawrence, Kansas

Contact PR Director

Project # PR1707CIP

Type Improvement

Project Name Downtown Brick Pavers

Useful Life 30 years

Category Park Improvements

Department Priority 1 Critical

Priority 2 Very Important

Unfunded

Status Active

Total Project Cost: \$75,000

Description

Upgrades to brick pavers at mid-blocks and corners on Massachusetts St.

Justification

The brick surfaces at the mid-blocks and corners have been in place since the early 1970s and they are not in good repair. Many of these spots present a tripping hazard to pedestrians.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
Guest Tax Fund	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

There should be no budget impact, once installation is complete.

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Parks and Recreation

Contact PR Director

Type Improvement

Useful Life 30 years

Category Park Improvements

Priority 4 Less Important

Status Active

Total Project Cost: \$500,000

Project # PR1708CIP
Project Name Upgrade EBGC Pro Shop, Concessions, Restroom

Department Priority 3 Important
Unfunded

Description
 Eagle Bend Golf Course- Add a larger seating area and more restrooms to current facility.

Justification
 Currently EBGC is very limited on the size of golf tournaments that we can host due to limited seating and restroom facilities. By expanding facilities, larger events can be booked at EBGC which will have a positive impact on annual revenue.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	500,000					500,000
Total	500,000					500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Golf Course	500,000					500,000
Total	500,000					500,000

Budget Impact/Other
 EBGC will be able to take two dollars out of all green fees and money out of tournament fees to cover the cost of the addition.

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance		5,000				5,000
Total		5,000				5,000

City Manager's Recommended Projects

Data in Year 2017

Department Parks and Recreation

City of Lawrence, Kansas

Contact PR Director

Project # PR1713CIP

Type Improvement

Project Name Install Trail to Connect 29th St. to Haskell

Useful Life 20 years

Category Park Improvements

Department Priority 2 Very Important

Priority 2 Very Important

Unfunded

Status Active

Total Project Cost: \$75,000

Description
Install a concrete trail to connect the existing Haskell Rail Trail to the newly constructed South Lawrence Trafficway Multi-purpose Trail

Justification
This section will add another part to help with the goal of havin a loop around the city.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Parks and Recreation

City of Lawrence, Kansas

Contact PW Director

Project # PR1781CIP
Project Name Equipment Replacement - Recreation Division Bus

Type Equipment

Useful Life 15 years

Category Equipment

Priority 1 Critical

Status Active

Department Priority 1 Critical

Unfunded

Total Project Cost: \$85,000

Description
 Replace Unit 582 - This bus is used primarily in Special Populations Programming for transportation of program patrons during in-town and out-of-town trips

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	85,000					85,000
Total	85,000					85,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	85,000					85,000
Total	85,000					85,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Planning & Development

City of Lawrence, Kansas

Contact Planning Director

Project # PS1701CIP
Project Name One Stop Shop

Type Improvement

Useful Life 30 years

Category Buildings

Priority 4 Less Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$2,080,000

Description
 Create One Stop Shop to bring all divisions of Planning and Development Services under one roof, as well as representatives from other development-related departments - storm water, utilities, public works, and fire.

Justification
 The Matrix Report, a report commissioned in the mid-2000s to review development processes and address shortcomings of the city's development review processes, recommended that the city create a One Stop Shop in order to place all development-related resources at one location so that customers had the most efficient service for their needs. Lawrence is 20 years behind the times on this issue, as many cities have implemented such a concept to ensure not only great customer service, but high coordination between review agencies.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	30,000					30,000
Land Acquisition		2,000,000				2,000,000
Construction/Maintenance		50,000				50,000
Total	30,000	2,050,000				2,080,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	30,000	2,050,000				2,080,000
Total	30,000	2,050,000				2,080,000

Budget Impact/Other
 There will be an impact related to the start up costs of presumed improvements to the space, building acquisition, and furnishings. There may be an impact to staffing costs if it is found that staffs from the departments outside of PDS need to be increased in order to provide resources at the One Stop Shop.

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Police
Contact Police Chief
Type Equipment
Useful Life 12 years
Category Equipment
Priority 1 Critical
Status Active

Project # PD1701CIP
Project Name Mobile Data Computers

Department Priority 1 Critical
Unfunded

Total Project Cost: \$672,100

Description
 The Police Department and LDCFM are currently using Motorola's MW-810 Mobile Data Computers (MDC). Motorola has abruptly announced they will no longer offer this product, requiring both agencies to identify and implement a new solution for securely transmitting critical, emergency information to units deployed in the field twenty-four hours a day. Across both agencies, approximately 136 units with an extended five-year warranty will need to be purchased. Of the total number of devices, 106 will be installed in vehicles at an approximate cost of \$5350, and 30 units will be portable and cost approximately \$3500 each. The total project cost is estimated at \$672,100 and will be implemented over the two years following approval.

Justification
 The LPD and LDCFM utilize Motorola's MW-810 Mobile Data Computer to send and receive critical information from Douglas County Emergency Communication Center and between units while responding to calls for service. This year, Motorola terminated production of these devices forcing emergency responders to identify a new device to fill this need. A more cost effective tablet solution has been identified to replace the 136 MNDCs. The total estimated project cost for both departments, including installation, is expected to at \$672,100.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	672,100					672,100
Total	672,100					672,100

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	672,100					672,100
Total	672,100					672,100

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Police
Contact Police Chief
Type Equipment
Useful Life 10 years
Category Vehicles
Priority 1 Critical
Status Active

Project # PD1702CIP
Project Name Vehicles

Department Priority 1 Critical
Unfunded

Total Project Cost: \$2,039,984

Description
 Replace of Department vehicles.

Justification
 Over the past several years the Department has received \$260,000 in CIP funds to replace patrol vehicles. The amount was achieved by estimating the cost of a new patrol vehicle to be at \$26,000. It also assumed that just 10 patrol vehicles would be replaced. That amount has not changed for the past several years. In 2016 the cost of new vehicles exceeded the \$26,000 estimate. For 2017 I am requesting the estimated amount be raised to \$28,000 per vehicle. I am also requesting an additional four vehicles to continue the replacement of aging administrative fleet. The amount requested for 2017 is for 14 vehicles at a cost of \$392,000.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	392,000	399,840	407,837	415,994	424,313	2,039,984
Total	392,000	399,840	407,837	415,994	424,313	2,039,984

Funding Sources	2017	2018	2019	2020	2021	Total
General Fund	392,000	399,840	407,837	415,994	424,313	2,039,984
Total	392,000	399,840	407,837	415,994	424,313	2,039,984

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Police

City of Lawrence, Kansas

Contact Police Chief

Project #	PD1705CIP
Project Name	FARO Scanner

Type Equipment

Useful Life 10 years

Category Equipment

Priority 2 Very Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$95,000

Description
With the technical advances in the visual documentation of crime scenes, the LPD has identified the need to purchase crime scene scanning technology.

Justification
<p>The total price is quoted at \$85,000 if we agree to sign a statement for GSA pricing that will allow the government to use the device for a presidential declared emergency. If we do not agree to the statement, then the prices goes up to \$95,000.</p> <p>The crime scene scanning technology can allow investigators to:</p> <ol style="list-style-type: none"> 1. Unbiased, objective capture of evidence present at the scene as well as an overall portrait of the scene itself that could provide beneficial should a case need to be revisited at a later date. 2. Increase the ability to accurately document violent crime scenes while decreasing the impact to the scene. 3. Enable other investigators to virtually revisit a scene and take measurements should new information become available. 4. Eliminates any unintentional oversights that might have occurred using traditional photographic methods that only capture specific photos taken by an investigator. 5. Once a scan is complete and the data imported into crime scene specific software, a completely navigable and interactive model of the scene is available. This is highly advantageous for a jury since it can be provided with multiple perspectives; including points of view from witness perspective or follow a bullet's trajectory. 6. The measurements taken of a scene with scanning technology can also be used with video that may have been obtained in the area of a scene. This is particularly valuable as it can give proper aspect to the recovered video, possibly to the degree accurate measurement can be obtained from these video sources.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	95,000					95,000
Total	95,000					95,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	95,000					95,000
Total	95,000					95,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Police

Contact

Project # PD1707CIP
Project Name Parking Garage Paystations

Type Equipment

Useful Life 10 years

Category Equipment

Priority 1 Critical

Status Active

Department Priority

Unfunded

Total Project Cost: \$99,000

Description
 New Pay Stations for New Hampshire & Riverfront Garages; New Printers/Ticket Writers

Justification
 New Pay Stations for New Hampshire & Riverfront Garages; New Printers/Ticket Writers

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	99,000					99,000
Total	99,000					99,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Parking	99,000					99,000
Total	99,000					99,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Police

Contact

Type Improvement

Useful Life 30 years

Category Buildings

Priority n/a

Status Active

Total Project Cost: \$1,500,000

Project #	PD1708CIP
Project Name	Design Police Facility

Department Priority

Unfunded

Description

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	1,500,000					1,500,000
Total	1,500,000					1,500,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	1,500,000					1,500,000
Total	1,500,000					1,500,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Transit

City of Lawrence, Kansas

Contact

Project # TI01
Project Name Multi Modal Facility

Type Improvement

Useful Life 40 + years

Category Buildings

Priority n/a

Status Active

Department Priority

Unfunded

Total Project Cost: \$30,600,000

Description

The facility will house a first floor transit transfer station that will act as the primary hub for the system. Also on the first floor will be amenities for transit users and drivers. Bicycling and pedestrian amenities will also be available on the lower level. The upper level of the facility will be parking for students and the general public.

Justification

Currently our major transfer activities occur in the downtown. With increases in service the operation has had difficulties operating in a safe and efficient manner. Development in the downtown has eliminated the availability of alternative location within the downtown. A more centrally located facility would allow for better use of our resources and would allow for a more efficient use of resources. A site location analysis has been performed and has found that a centrally located facility, on or around the KU campus, would benefit both students and the general public.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	30,600,000					30,600,000
Total	30,600,000					30,600,000

Funding Sources	2017	2018	2019	2020	2021	Total
Intergovernmental	26,600,000					26,600,000
Public Transit Fund	4,000,000					4,000,000
Total	30,600,000					30,600,000

Budget Impact/Other

These funds will be provided through funds previously reserved and will have no impact on the general budget.

City Manager's Recommended Projects

Data in Year 2017

Department Public Transit

City of Lawrence, Kansas

Contact

Project # TI02
Project Name Transit Shelters and Additional Amenities

Type Unassigned

Useful Life 15 years

Category Unassigned

Priority n/a

Status Active

Department Priority

Unfunded

Total Project Cost: \$750,000

Description
 Passenger amenities such as shelters, bike rack, benches, leaning seats, signs and passenger info devices.

Justification
 As part of restructuring service as the result of a new multimodal facility an amenity program will be implemented to improve the passenger environment. Sites will be evaluated based on our policy standards and amenities will be installed where deemed appropriate. Creating a better user environment will greatly improve the usability of the service.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Transit Fund	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

Budget Impact/Other
 These funds will be provided through the Transit Reserve Fund and will have no impact on the general budget.

City Manager's Recommended Projects

Data in Year 2017

Department Public Transit

City of Lawrence, Kansas

Contact

Project # TI03
Project Name Fixed Route Transit Buses

Type Equipment

Useful Life 12 years

Category Vehicles

Priority n/a

Status Active

Total Project Cost: \$3,500,000

Department Priority

Unfunded

Description

Heavy-duty fixed route transit buses that are used in the delivery of regularly scheduled service. These buses will be fully accessible under ADA and will be equipped with bicycle racks.

Justification

These buses will replace older buses that are expected to have accumulated high mileage. High mileage causes for high expense in upkeep. Higher mileage vehicles are often less dependable and result in numerous service failures. These failures result in passengers not being able to reach their destination to places such as work and doctors appointments.

Expenditures	2017	2018	2019	2020	2021	Total	Future
Equip/Vehicles/Furnishings	1,500,000		500,000	500,000	500,000	3,000,000	500,000
Total	1,500,000		500,000	500,000	500,000	3,000,000	Total

Funding Sources	2017	2018	2019	2020	2021	Total
Public Transit Fund	1,500,000	500,000	500,000	500,000	500,000	3,500,000
Total	1,500,000	500,000	500,000	500,000	500,000	3,500,000

Budget Impact/Other

These funds will be provided through the Transit Reserve Fund and will have no impact on the general budget.

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # CI09
Project Name Bike / Ped Improvements / ADA Ramps

Type Improvement

Useful Life 50 years

Category Street Reconstruction

Priority 2 Very Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$2,250,000

Description

Bicycle-Pedestrian Task force recommended \$500,000 annual allocation to improving bicycle network to increase safety, promote health and provide alternative mode of transportation.

Projects identified as priorities by the Bicycle-Pedestrian Task Force (see descriptions on following pages).

Shared Use Path, 6th Street from Monterey to Wisconsin: \$135,500
 Bike Boulevard, 21st Street: \$120,000
 Other Projects based on PBTf Implementation Priorities: \$244,500
 Total \$500,000

\$500,000 annual improvements recommended by Pedestrian Bicycle Issues Task Force.

Provide Safe Routes to Schools by filling gaps, repairing and maintaining sidewalks.
 Connect residents to neighborhood destinations by filling gaps in the arterial and collector street network.
 Invest in facilities that provide safer conditions and access for seniors and people with disabilities.

Projects identified as priorities by the Bicycle-Pedestrian Task Force (see descriptions on following pages).

Safe Routes to Schools Sidewalk Gaps and ADA Ramps: \$300,000
 Sidewalk Gap Fill on One Side of Streets: \$50,000
 Other Projects based on PBTf Implementation Priorities: \$150,000
 Total \$500,000

Justification

To promote community desire for multimodal transportation.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	450,000	450,000	450,000	450,000	450,000	2,250,000
Total	450,000	450,000	450,000	450,000	450,000	2,250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Improvement Reserve	200,000	200,000	200,000	200,000	200,000	1,000,000
Fund - Infrastructure						
General Obligation Debt	250,000	250,000	250,000	250,000	250,000	1,250,000
Unfunded	550,000	550,000	550,000	550,000	550,000	2,750,000
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact

Project # PW1701Kcip

Type Unassigned

Project Name KLINK

Useful Life

Category Unassigned

Department Priority

Priority n/a

Unfunded

Status Active

Total Project Cost: \$3,000,000

Description

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	600,000	600,000	600,000	600,000	600,000	3,000,000
Total	600,000	600,000	600,000	600,000	600,000	3,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	300,000	300,000	300,000	300,000	300,000	1,500,000
Intergovernmental	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	600,000	600,000	600,000	600,000	600,000	3,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 15 years

Category Vehicles

Priority 2 Very Important

Status Active

Total Project Cost: \$2,500,000

Project # PW1702CIP
Project Name Annual Vehicle Replacement Program

Department Priority 2 Very Important

Unfunded

Description

Annual Vehicle Replacement Program
 Vehicles to be replaced are recommended by fleet manager

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	500,000	500,000	500,000	500,000	500,000	2,500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Improvement Reserve Fund	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	500,000	500,000	500,000	500,000	500,000	2,500,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Improvement

Useful Life 5 years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B10CIP
Project Name Parking garage assessments/maintenance

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$150,000

Description
 Parking garages need engineering assessments conducted every 5 years. Including some know concrete work and painting that needs completed to ensure and maintain the structural integrity of the parking surfaces. This will only be an assessment and does not consider or account for additional funding for repairs to the decks. This funding also allows for repair of preexisting concerns that are known.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	150,000					150,000
Total	150,000					150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Public Parking	150,000					150,000
Total	150,000					150,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Improvement

Useful Life 30 years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B15CIP
Project Name Street Div Facility

Department Priority 3 Important

Unfunded

Total Project Cost: \$0

Description
 Acquire Building @ 31st and Haskel for Street Division

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Other	0					0
Total	0					0

Funding Sources	2017	2018	2019	2020	2021	Total
Unfunded	150,000					150,000
Total	150,000					150,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 30 years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B1CIP
Project Name Roof replacement F/M #3

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$140,000

Description
 The roof for Fire Medical #3 is past its useful life expectancy, It currently leaks during every rain fall and attempts to repair the leaks are no success due to age.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	140,000					140,000
Total	140,000					140,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	140,000					140,000
Total	140,000					140,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 30 years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B2CIP
Project Name Fire Medical roof and drainage Maintenance

Department Priority 3 Important

Unfunded

Total Project Cost: \$90,000

Description
 F/M #3 retaining wall / water diversion = \$10,000.00
 F/M #5 Drainage & sidewalk repairs = \$50,000.00
 F/M stone barn terrace roof replacement = \$30,000.00

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	90,000					90,000
Total	90,000					90,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	90,000					90,000
Total	90,000					90,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 30 years

Category Buildings

Priority 3 Important

Status Active

Project #	PW17B3CIP
Project Name	Downtown lighting pole replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$0

Description
Replacement of downtown street light poles.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	0	0	0	0	0	0
Total	0	0	0	0	0	0

Funding Sources	2017	2018	2019	2020	2021	Total
Unfunded	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 30 years

Category Buildings

Priority 2 Very Important

Status Active

Project # PW17B4CIP
Project Name Downtown Canopy Lighting sidewalk and roofing

Department Priority 3 Important

Unfunded

Total Project Cost: \$350,000

Description
 Upgrade of the canopy lighting to LED fix gutters and roofing. Sidewalks and curb and storm sewer needs replaced under the canopy

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	350,000					350,000
Total	350,000					350,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	350,000					350,000
Total	350,000					350,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 20years

Category Buildings

Priority 5 Future Consideration

Status Active

Project # PW17B5CIP
Project Name Community Health Boiler replacement

Department Priority 1 Critical

Unfunded

Total Project Cost: \$225,000

Description
 Existing Boilers in the Community Health facility are being taken out of service due to unavailability of replacement parts. This is a critical repair 8 of 10 original are currently operational

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	225,000					225,000
Total	225,000					225,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	112,500					112,500
Intergovernmental	112,500					112,500
Total	225,000					225,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 20years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B6CIP
Project Name Community Health Chiller replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$325,000

Description
 Chiller is nearing end of useful life and needs replaced. Also the BAS is no longer supported and controls need replaced

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	325,000					325,000
Total	325,000					325,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	162,500					162,500
Intergovernmental	162,500					162,500
Total	325,000					325,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 50 years

Category Buildings

Priority 4 Less Important

Status Active

Project # PW17B7CIP
Project Name Community Health Building Stabilization

Department Priority 1 Critical

Unfunded

Total Project Cost: \$75,000

Description
 Community health Building has several exam rooms that the slab is heaving and settling due to below grade settling and movement. Needs mud jacked, will require new flooring and window work. See attached document for affected rooms.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	37,500					37,500
Intergovernmental	37,500					37,500
Total	75,000					75,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # PW17E1CIP
Project Name Kasold Reconstruction - 6th St to Bob Billings Pkwy

Type Improvement

Useful Life 50 years

Category Street Reconstruction

Department Priority 1 Critical

Priority 1 Critical

Unfunded

Status Active

Total Project Cost: \$5,450,000

Description
 Reconstruction of Kasold from 6th Street to Bob Billings Parkway.
 \$500k highway safety funds for roundabout at Kasold & Harvard

Justification
 Arterial street needs to be reconstructed. Above annual maintenance expenses. 2012 PCI = 47

Prior	Expenditures	2017	2018	2019	2020	2021	Total
450,000	Construction/Maintenance	5,000,000					5,000,000
Total	Total	5,000,000					5,000,000

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
450,000	Capital Improvement Reserve	4,500,000					4,500,000
	Fund - Infrastructure						
Total	Intergovernmental	500,000					500,000
	Total	5,000,000					5,000,000

Budget Impact/Other
 Reconstruction would save funds from street maintenance that are annually incurred for full depth patching.

Budget Items	2017	2018	2019	2020	2021	Total
Supplies/Materials	5,500,000					5,500,000
Total	5,500,000					5,500,000

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Improvement

Useful Life 50 years

Category Street Reconstruction

Priority 1 Critical

Status Active

Project # PW17E2CIP
Project Name Wakarusa Reconstruction - Inverness to 6th Street

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$3,000,000

Description
 Reconstruction of Wakarusa from north of Inverness Drive to 6th Street
 \$600k highway safety funds from KDOT for roundabout at Wakarusa & Harvard

Justification
 Street reconstruction is part of the infrastructure sales tax plan. Arterial street in poor condition with 2015 PCI = 53.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	3,000,000					3,000,000
Total	3,000,000					3,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Improvement Reserve	2,500,000					2,500,000
Fund - Infrastructure						
Intergovernmental	500,000					500,000
Total	3,000,000					3,000,000

Budget Impact/Other
 Reconstruction will save on annual maintenance costs

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works
Contact PW Director
Type Improvement
Useful Life 50 years
Category Street New Construction
Priority 1 Critical
Status Active

Project # PW17E4CIP
Project Name Queens Road Improvements - 6th to City Limits

Department Priority 5 Future Consideration
Unfunded

Total Project Cost: \$3,800,000

Description
 Queens Road Improvements from 6th Street to north city limits including the signalization of 6th & Queens Road. Improvements include concrete pavement, sidewalk, storm sewer and waterline. *Possible city share for owner occupied east side only; special assessment benefit district will fund remaining cost

Justification
 Additional development in the area justifies the need for city infrastructure to be extended to serve the area. Currently a gravel road that doesn't support increasing traffic.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	300,000					300,000
Construction/Maintenance		3,500,000				3,500,000
Total	300,000	3,500,000				3,800,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	300,000	3,500,000				3,800,000
Total	300,000	3,500,000				3,800,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works
Contact PW Director
Type Improvement
Useful Life 50 years
Category Street New Construction
Priority 2 Very Important
Status Active

Project # PW17E7CIP
Project Name CDBG Sidewalk Gap Program

Department Priority 3 Important
Unfunded

Total Project Cost: \$100,000

Description
 This amount is historical average allocation of CDBG funds for completion of gap sidewalk in low/mod income areas.

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	100,000					100,000
Total	100,000					100,000

Funding Sources	2017	2018	2019	2020	2021	Total
Intergovernmental	100,000					100,000
Total	100,000					100,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Improvement

Useful Life 50 years

Category Street Reconstruction

Priority 4 Less Important

Status Active

Project # PW17E8CIP
Project Name Traffic Calming

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$1,000,000

Description
 There are 23 unfunded traffic calming projects (\$950,000 total) that have been approved by the City Commission.

Justification
 Improve neighborhoods by decreasing traffic speeds and volume of cut through traffic.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 10years

Category Vehicles

Priority 4 Less Important

Status Active

Project # PW17F10CIP
Project Name 313 Bobcat Replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$75,000

Description
 Skid steer replacement for unit 313. This is a combo purchase, one skidsteer, 4 in 1 bucket, and new mill attachment. Total estimated price. This is not accounting for trade of old unit. Trade may bring the total below CIP threshold.

Justification
 Skid steer loaders provide a major component to street maintenance functions. Skid steers are used in curb repair, asphalt maintenance, storm water maintenance, milling operations, and all other material handling situations.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 7 years

Category Vehicles

Priority 4 Less Important

Status Active

Project #	PW17F1CIP
Project Name	Street Sweeper

Department Priority 3 Important

Unfunded

Total Project Cost: \$280,000

Description
Replacement for unit #364 as part of street maintenance and stormwater infrastructure deterioration prevention.

Justification
Replacement of high cost infrastructure maintenance equipment

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	280,000					280,000
Total	280,000					280,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	280,000					280,000
Total	280,000					280,000

Budget Impact/Other
Street sweeping reduces the deterioration of the city's stormwater infrastructure and removes debris that can contribute to air quality issues.

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # PW17F2CIP
Project Name 366 Class 5 dump truck replacement

Type Equipment

Useful Life 10years

Category Vehicles

Priority 3 Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$105,000

Description
 Replacement of a one ton plow, spreader, dump truck to a right sized class 5 truck

Justification
 unit 366 is part of the street maintenance program and is instrumental in snow removal operations, transport of equipment, and trailer towing applications.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	105,000					105,000
Total	105,000					105,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	105,000					105,000
Total	105,000					105,000

Budget Impact/Other
 366 is experiencing high repair costs and has trouble with the demands of winter snow operations. Rightsizing equipment will help with vehicle downtime and load demands of operations.

Budget Items	2017	2018	2019	2020	2021	Total
Supplies/Materials	0					0
Total	0					0

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # PW17F3CIP
Project Name 331 Tandam axle dump truck replacement

Type Equipment

Useful Life 7 years

Category Vehicles

Priority 4 Less Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$195,000

Description
 Replacement of tandem axle dump truck unit 331. Unit 331 includes a spreader and plow as part of the replacement package.

Justification
 Dump trucks serve a vital roll in street maintenance. Material hauling to include aggregates, asphalt, salt, etc. Dump trucks are a non-expendable component of snow and ice operations.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	195,000					195,000
Total	195,000					195,000

Funding Sources	2017	2018	2019	2020	2021	Total
Special Gas Tax Fund	195,000					195,000
Total	195,000					195,000

Budget Impact/Other
 Replacement cycle of dump trucks can affect operations not only in down time but can cause budgetary concerns as it ages with high repair costs and undependable contributions to operations.

Budget Items	2017	2018	2019	2020	2021	Total
Supplies/Materials	195,000					195,000
Total	195,000					195,000

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 10years

Category Vehicles

Priority 4 Less Important

Status Active

Project # PW17F4CIP
Project Name 337 Class 5 dump truck replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$105,000

Description
 Replacement of a one ton plow, spreader, dump truck to a right sized class 5 truck

Justification
 unit 337 is part of the street maintenance program and is instrumental in snow removal operations, transport of equipment, and trailer towing applications.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	105,000					105,000
Total	105,000					105,000

Funding Sources	2017	2018	2019	2020	2021	Total
Special Gas Tax Fund	105,000					105,000
Total	105,000					105,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 5 years

Category Vehicles

Priority 4 Less Important

Status Active

Project # PW17F9CIP
Project Name 394 Rubber tire loader replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$75,000

Description
 Unit 394 is scheduled for a buyback program in 2017. Streets utilize a rubber tired loader for material handling. This unit is instrumental in snow operations, street project operations, and supporting other divisions.

Justification
 Streets has implemented a buyback program to make sure this vital piece of equipment can maximize uptime and utilize budget saving components with full machine warranty.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # PW17SM1CIP
Project Name 2017 Contracted Street Maintenance Program

Type Maintenance

Useful Life

Category Street Repair

Priority 1 Critical

Status Active

Department Priority 1 Critical

Unfunded

Total Project Cost: \$15,700,000

Description
Contracted Street Maintenance Program to include: Microsurfacing/Patching, Milling and Overlay, Concrete Rehabilitation

Justification
See attached documents. To be updated annually with program updates and needs, please see attached & link http://lawrenceks.org/assets/agendas/cc/2016/02-23-16/pw_street_maintenance_update_memo.html . -Please refer to Pavement Management Program & 2006 Contracted street Repair Project memo from 02-27-06 CC agenda. Budget projections estimated \$6 million in maintenance needs per year to sustain pavement conditions. Attached & Link http://lawrenceks.org/assets/agendas/cc/2006/02-07-06/02-07-06h/pw_pavement_mgmt_memo.pdf -Per the 2015 Citizen Survey, the maintenance of streets remains a top priority for improvement. Link https://www.lawrenceks.org/citizen_survey

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	3,140,000	3,140,000	3,140,000	3,140,000	3,140,000	15,700,000
Total	3,140,000	3,140,000	3,140,000	3,140,000	3,140,000	15,700,000

Funding Sources	2017	2018	2019	2020	2021	Total
Capital Improvement Reserve Fund - Infrastructure	800,000	800,000	800,000	800,000	800,000	4,000,000
General Fund	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Special Gas Tax Fund	200,000	200,000	200,000	200,000	200,000	1,000,000
Stormwater Fund	140,000	140,000	140,000	140,000	140,000	700,000
Unfunded	2,860,000	2,860,000	2,860,000	5,720,000	2,860,000	17,160,000
Total	6,000,000	6,000,000	6,000,000	8,860,000	6,000,000	32,860,000

Budget Impact/Other
A higher level budget for contracted street maintenance is important to sustain the current street conditions and to minimize the potential of regression in overall City street conditions.

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance	6,000,000					6,000,000
Total	6,000,000					6,000,000

City Manager's Recommended Projects

Data in Year 2017

Department Public Works

City of Lawrence, Kansas

Contact PW Director

Project # PW17SM3CIP

Type Maintenance

Project Name 2017 Brick Street Rehabilitation Program

Useful Life

Category Street Repair

Department Priority 1 Critical

Priority 4 Less Important

Unfunded

Status Active

Total Project Cost: \$0

Description
Maintenance/ Rehabilitation of Brick or Brick Composed (w/ Asphalt Overlay) City Streets

Justification
<p>-As of Dec.2015, brick streets avg PCI = 55.0 & brick in composition streets avg PCI = 76.2 Recommendations: -Develop a maintenance policy for city streets paved in brick and with pavement over brick. Draft brick street maintenance restoration guidelines were presented to the City Commission on January 21, 2014. The Historic Resources Commission (HRC) reviewed the draft guidelines on May 15, 2014 and provided suggested revisions. Further review by neighborhood associations, the Lawrence Preservation Alliance and the HRC, along with final review by the City Commission, is anticipated. Attached & Link http://lawrenceks.org/assets/agendas/cc/2014/01-21-14/pw_brick_street_proposed_guideline_document.pdf</p>

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	0	0	0	0	0	0
Total	0	0	0	0	0	0

Funding Sources	2017	2018	2019	2020	2021	Total
Unfunded	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	500,000	500,000	500,000	500,000	500,000	2,500,000

Budget Impact/Other
A higher level budget for brick streets/ brick in composition streets maintenance and rehabilitation is important to sustain the current street conditions and to minimize the potential of regression in overall City brick street/ brick in composite street conditions.

Budget Items	2017	2018	2019	2020	2021	Total
Maintenance	500,000					500,000
Total	500,000					500,000

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 10years

Category Street Repair

Priority 4 Less Important

Status Active

Project # PW17SM4CIP
Project Name Contract Milling for In House Pavement Rehab

Department Priority 3 Important

Unfunded

Total Project Cost: \$500,000

Description
 Contract milling for in house street maintenance pavement patching and overlay.

Justification
 Current capabilities do not allow for street milling when in house asphalt pavement is rehabilitated.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Funding Sources	2017	2018	2019	2020	2021	Total
Special Gas Tax Fund	100,000	100,000	100,000	100,000	100,000	500,000
Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other
 By creating a contract milling portion to in house pavement rehab, a cost savings will be seen as apposed to total pavement removal, or topical overlays that raise the elevation of the street and fill curb and gutter sections creating the need for additional curb replacement.

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Maintenance

Useful Life 7 years

Category Unassigned

Priority 2 Very Important

Status Active

Total Project Cost: \$780,606

Project # PW17SM5CIP
Project Name ITS Video Detection/ upgrade and replacement

Department Priority 2 Very Important

Unfunded

Description

Upgrade current video detection equipment at signalized intersections

Justification

Current equipment is out dated and the manufacture no longer supports equipment that is in the field.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	150,000	153,000	156,060	159,181	162,365	780,606
Total	150,000	153,000	156,060	159,181	162,365	780,606

Funding Sources	2017	2018	2019	2020	2021	Total
Special Gas Tax Fund	150,000	153,000	156,060	159,181	162,365	780,606
Total	150,000	153,000	156,060	159,181	162,365	780,606

Budget Impact/Other

The replacement cost is approximately \$30,000 per intersection. By doing 5 intersection annually it will be possible upgrade all intersection operated by the TOC on a 7 year rotation.

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works

Contact PW Director

Type Equipment

Useful Life 10years

Category Vehicles

Priority 3 Important

Status Active

Project # PW18F11CIP
Project Name 367 Bobcat replacement

Department Priority 3 Important

Unfunded

Total Project Cost: \$75,000

Description
 Skid steer replacement for unit 367. This is a combo purchase, one skid steer, 4 in 1 bucket, and new mill attachment. Total estimated price. This is not accounting for trade of old unit. Trade may bring the total below CIP threshold.

Justification
 Skid steer loaders provide a major component to street maintenance functions. Skid steers are used in curb repair, asphalt maintenance, storm water maintenance, milling operations, and all other material handling situations.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	75,000					75,000
Total	75,000					75,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt	75,000					75,000
Total	75,000					75,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Airport

City of Lawrence, Kansas

Contact PW Director

Project #	PW17A1CIP
Project Name	Wildlifefence

Type Improvement

Useful Life 30 years

Category Buildings

Priority 2 Very Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$900,000

Description
Safety - Installation of a wildlife fence city/FAA share program. Cities responsibility 90,000. Total estimated project cost is \$900,000

Justification
The airport is partially fenced with a three-strand barbed wire fence and does not have gates at most entrances. A key recommendation from the 2012 Wildlife Hazard Assessment of the airport was the installation of a woven wire wildlife fence on the airport perimeter following the property line. This project will significantly deter wildlife incursions on the field and lower the city's liability risk of wildlife and aircraft collisions. The new fence will include chain-link fencing in the main building area and will include manual and automatic gates for access control.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
95,000	Construction/Maintenance	805,000					805,000
Total	Total	805,000					805,000

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
95,000	Airport	80,500					80,500
Total	Intergovernmental	724,500					724,500
	Total	805,000					805,000

Budget Impact/Other
Project Cost \$900,000 FAA 90% - \$810,000 City 10% - \$90,000

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Airport

City of Lawrence, Kansas

Contact PW Director

Project # PW18A2CIP
Project Name Reconstruct Terminal Apron

Type Maintenance

Useful Life 30 years

Category Unassigned

Priority 2 Very Important

Status Active

Total Project Cost: \$1,360,000

Department Priority

Unfunded

Description
 Mill and overlay of terminal apron

Justification
 The main apron at LWC has an old coal tar slurry that is cracked (egg-shelled) and needs to be resurfaced. There are areas on the apron that need to be reconstructed due to heavy business jet traffic along with typical weathering and cracking over time. The rehabilitation will include milling off the existing surface and applying an overlay. Reconstruction will include full-depth asphalt removal, preparation of the underlying base and reconstruction of the asphalt section.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	136,000					136,000
Construction/Maintenance		1,224,000				1,224,000
Total	136,000	1,224,000				1,360,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt		136,000				136,000
Intergovernmental	136,000	1,088,000				1,224,000
Total	136,000	1,224,000				1,360,000

Budget Impact/Other
 Estimated Cost is \$1,360,000
 FAA will pay 90% - \$1,224,000
 City Share 10% - \$136,000
 Will reduce future annual maintenance costs

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Solid Waste

City of Lawrence, Kansas

Contact PW Director

Project #	PW17F5CIP
Project Name	426 Automated Side Load Refuse truck

Type Equipment

Useful Life 7 years

Category Vehicles

Priority 4 Less Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$225,500

Description
Replace rear load refuse truck with automated side load refuse truck. This is in alignment with the automation restructuring with waste pickup.

Justification
Replacement of rear load refuse to automation reduces the fleet size with keeping the quality of service to the community. Automation has proven to increase route productivity.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	225,500					225,500
Total	225,500					225,500

Funding Sources	2017	2018	2019	2020	2021	Total
Solid Waste Fund	225,500					225,500
Total	225,500					225,500

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Solid Waste

City of Lawrence, Kansas

Contact PW Director

Project #	PW17F6CIP
Project Name	427 Dual purpose front load and ASL

Type Equipment

Useful Life 10years

Category Vehicles

Priority 4 Less Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$275,000

Description
Replace unit 427 with a Curotto-Can and front load truck. This unit allows the function of a front load refuse truck with the ability to attach a front load automated side load function to support a back up for an automated side load refuse body route. This unit is a versital combination to support two rolls in the solid waste division.

Justification
Replacement of unit 427 with a combination unit will help support the comercial waste service and increase the ability to provide a supporting role in residential service.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	275,000					275,000
Total	275,000					275,000

Funding Sources	2017	2018	2019	2020	2021	Total
Solid Waste Fund	275,000					275,000
Total	275,000					275,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Solid Waste

City of Lawrence, Kansas

Contact PW Director

Project #	PW17F7CIP
Project Name	421 Rear load refuse truck

Type Equipment

Useful Life 10years

Category Vehicles

Priority 4 Less Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$160,000

Description
Replace unit 421 with rear load refuse body.

Justification
Solid waste division will need to continue to maintain its rear load fleet to provide yard waste and residential services.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	160,000					160,000
Total	160,000					160,000

Funding Sources	2017	2018	2019	2020	2021	Total
Solid Waste Fund	160,000					160,000
Total	160,000					160,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Solid Waste

City of Lawrence, Kansas

Contact PW Director

Project # PW17F8CIP
Project Name 489 Rolloff container truck repalcement

Type Equipment

Useful Life 7 years

Category Vehicles

Priority 4 Less Important

Status Active

Department Priority 3 Important

Unfunded

Total Project Cost: \$140,000

Description
 Replacement of unit 489. This roll off container truck provides delivery and pick up for container refuse material. Unit 489 has exceeded the 200000 mile mark and is qualified for normal replacement scheduling.

Justification
 Unit 489 has met criteria for replacement and serves a vital role in container service to the community.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	140,000					140,000
Total	140,000					140,000

Funding Sources	2017	2018	2019	2020	2021	Total
Solid Waste Fund	140,000					140,000
Total	140,000					140,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Solid Waste

City of Lawrence, Kansas

Contact PW Director

Project #	PW17SW1
Project Name	Solid Waste Facility at Kresge

Type Unassigned

Useful Life

Category Buildings

Priority 1 Critical

Status Active

Total Project Cost: \$2,970,000

Department Priority 5 Future Consideration

Unfunded

Description
Phase 2 of development at the Kresge property. Property was purchased in 2014 for the development of a consolidated location for Solid Waste operations. The development was planned in two stages. Phase I constructed a new Household Hazardous Waste facility and provided storm detention infrastructure for the entire site. Phase 2 will create work and crew space for the solid waste crews, employee and truck parking.

Justification
Property was purchased in 2014 for the development of a consolidated location for Solid Waste operations. The development was planned in two stages. Phase I constructed a new Household Hazardous Waste facility and provided storm detention infrastructure for the entire site. Phase 2 will create work and crew space for the solid waste crews, employee and truck parking. Phase 2 will replace the 2400 sf facility at 1140 Haskell that serves as crew base for over 80 employees. The existing structure is in the floodway, does not have adequate restroom or locker room facilities. Meetings with staff are standing room only in 2 to 3 different groups in order to accommodate all employees. There are no locker room facilities or areas for employees to eat lunch or take a break. There is no area to provide training for employees. Phase 2 will also replace the maintenance shop at the SWAN facility. Baling operations have currently ceased there. The SWAN structure can be sold to assist with financing the Phase 2 construction at Kresge. Operational efficiencies will occur when staff can operate from single location. Fueling will continue to occur at 11th and Haskell or the West 40. A space for fueling operations was designated on the site plan for a future development phase.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
270,000	Construction/Maintenance	2,700,000					2,700,000
Total	Total	2,700,000					2,700,000

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
270,000	Solid Waste Fund	2,700,000					2,700,000
Total	Total	2,700,000					2,700,000

Budget Impact/Other
Complete funding needs to be identified and a portion may need to be bonded, with repayment from the solid waste fund.

Budget Items	2017	2018	2019	2020	2021	Total
Other (Insurance, Utilities)	30,000					30,000
Staff Cost	0					0
Total	30,000					30,000

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Public Works - Stormwater

Contact PW Director

Type Equipment

Useful Life 10years

Category Storm Sewer/Drainage

Priority 3 Important

Status Active

Project # PW17S1CIP
Project Name Storm Sewer Video Inspection Unit

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$150,000

Description

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings	150,000					150,000
Total	150,000					150,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	150,000					150,000
Total	150,000					150,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Stormwater

City of Lawrence, Kansas

Contact PW Director

Project # PW17S2CIP
Project Name 13th Brook Drainage Improvement Improvements

Type Improvement

Useful Life 50 years

Category Storm Sewer/Drainage

Department Priority 3 Important

Priority 4 Less Important

Unfunded

Status Active

Total Project Cost: \$250,000

Description
 Install open span structure to improve overall drainage. This project would be designed and constructed by in house staff.

Justification
 Work to improve drainage in drainage basin, eliminate street and property flooding

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	250,000					250,000
Total	250,000					250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	250,000					250,000
Total	250,000					250,000

Budget Impact/Other
 Will decrease annual maintenance cost caused by several high water events each year.

City Manager's Recommended Projects

Data in Year 2017

Department Public Works - Stormwater

City of Lawrence, Kansas

Contact

Project # PW17S3CIP
Project Name Storm Water Culvert Lining

Type Maintenance

Useful Life 30 years

Category Unassigned

Priority 3 Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$1,250,000

Description

Rehabilitate failing storm water culverts by rehabilitation without doing dig and replace. Projects would be completed by in house forces and contract maintenance projects

Justification

With over 150 miles of underground storm water drainage pipes and culverts with many miles under arterials and collector routes this provides an option to be proactive in the maintenance of the system and provide for a method to rehabilitate without long term street closures and traffic disruptions. Currently we are only reactive after a failure.

Expenditures	2017	2018	2019	2020	2021	Total
Construction/Maintenance	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Funding Sources	2017	2018	2019	2020	2021	Total
Stormwater Fund	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

Budget Impact/Other

In place rehabilitation and repair can provide a savings of 20% over the cost of dig and replace. By being proactive we can eliminate we can reduce the need for more costly replacement.

City Manager's Recommended Projects

Data in Year 2017

Department Utilities
Contact UT Director
Type Improvement
Useful Life 100 years
Category Wastewater
Priority 1 Critical
Status Active

City of Lawrence, Kansas

Project # UT1304CIP
Project Name Wakarusa WWTP and Conveyance Corridor

Department Priority
 Unfunded

Total Project Cost: \$73,916,272

Description

Project UT1304 includes the Wakarusa WWTP, Pump Station 10 in the area of 31st and Louisiana, and required force mains and gravity sewers to convey sewerage to and from this point to the Wakarusa WWTP. The project also includes a lab expansion and new final clarifier equipment at the existing Kansas River WWTP.

The Wakarusa WWTP has been designed as a 2.5 MGD biological nutrient removal (BNR) treatment facility. Pump Station 10 will have increased operational flexibility and will be able to pump a range of flows from 1.0 MGD to 12.5 MGD to the Wakarusa WWTP through the 16" and 24" force mains installed between the two facilities.

Justification

The Wakarusa Wastewater Treatment Plant (WWTP) and Conveyance Corridor facilities will:

1. Address current wet weather overloading of major sanitary sewer lines along the 31st Street corridor that serve much of the Wakarusa drainage system west of Iowa and north to 6th Street as shown on the attached service area map.
2. Help reduce and manage wet weather flows at the Kansas River WWTP. Peak flows exceed the 65 million gallon per day (MGD) peak treatment capacity by 20 MGD.
3. Provide 20 percent additional treatment capacity for growth of the community. The current treatment plant is at or near its' rated capacity for treatment of organics.
4. Take the first step as adopted in the City's Integrated Plan, and as required by the latest NPDES permits, to meet new environmental regulations that require reduction of nutrients from treated effluents, specifically nitrogen and phosphorous. The current treatment processes do not reduce nutrients.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
44,616,272	Construction/Maintenance	29,000,000					29,000,000
	Equip/Vehicles/Furnishings	300,000					300,000
Total	Total	29,300,000					29,300,000

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Wastewater	29,300,000					29,300,000
Total	29,300,000					29,300,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

Department Utilities

City of Lawrence, Kansas

Contact UT Director

Project # UT1307CIP
Project Name Oread Storage Tank & Booster Pump Stn Replacement

Type Maintenance

Useful Life 100 years

Category Water

Priority 1 Critical

Status Active

Department Priority

Unfunded

Total Project Cost: \$5,081,220

Description
 Replacement of the south 1931, and north 1954 Oread water storage tanks and booster pump station.

Justification
 Project was identified in the 2012 Integrated Water Utility Plan and Capital Improvements Plan. Both tanks are exhibiting severe corrosion, loss of structural members, holes in the exteriors, deteriorated foundations and failing interior and exterior coatings. In addition the tanks do not meet several current safety and American Water Works Association standards. The pump station is in need of replacement due to electrical equipment, valving, maintenance and operational issues.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
851,220	Construction/Maintenance	4,230,000					4,230,000
Total	Total	4,230,000					4,230,000

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
851,220	Utility - Water	4,230,000					4,230,000
Total	Total	4,230,000					4,230,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Maintenance
Useful Life 100 years
Category Water
Priority 1 Critical
Status Active

Project # UT1518CIP
Project Name 19th Street Utilities Relocation

Department Priority
 Unfunded

Total Project Cost: \$1,531,916

Description

This project will replace waterline on 19th Street from Iowa Street to Alabama Street. The existing waterline is mostly 6-inch and 8-inch cast iron or transite pipe from the late-1940's to mid-1950's that will be replaced with new 8-inch and 12-inch PVC waterlines.

The proposed improvements to 19th Street will also require replacement and/or relocation of portions of the existing 10-inch and 12-inch clay sanitary sewer from Naismith Drive to Stewart Avenue.

Justification

The 19th Street Utilities Relocation project will replace waterline on 19th Street from Iowa Street to Alabama Street. The existing waterline is mostly 6-inch and 8-inch cast iron or transite pipe from the late-1940's to mid-1950's that will be replaced with new 8-inch and 12-inch PVC waterlines. Proposed improvements to 19th Street will also require relocation of the existing 10-inch and 12-inch clay sanitary sewer from Naismith Drive to Stewart Avenue.

Prior	Expenditures	2017	2018	2019	2020	2021	Total
110,996	Construction/Maintenance	1,420,920					1,420,920
Total	Total	1,420,920					1,420,920

Prior	Funding Sources	2017	2018	2019	2020	2021	Total
110,996	Utility - Water	1,420,920					1,420,920
Total	Total	1,420,920					1,420,920

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Maintenance
Useful Life
Category Wastewater
Priority 1 Critical
Status Active

Project # UT1793CIP
Project Name 2017 Sewer Main Relocations for Road Projects

Department Priority
 Unfunded

Total Project Cost: \$351,000

Description
 2017 Sewer Main Relocations for Road Projects

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	70,200					70,200
Construction/Maintenance	280,800					280,800
Total	351,000					351,000

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Wastewater	351,000					351,000
Total	351,000					351,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Maintenance
Useful Life
Category Wastewater
Priority 1 Critical
Status Active

Project # UT1795CIP
Project Name 2017 Rapid I/I Reduction Program

Department Priority
 Unfunded

Total Project Cost: \$2,000,000

Description
 2017 Rapid I/I Reduction Program

Justification
 The Integrated 2012 Wastewater Utilities Plan and Capital Improvements Program recommended the implementation of a Rapid Inflow and Infiltration (I/I) Reduction Program. The objective of the Rapid I/I Reduction Program is an overall 35% reduction of I/I within the program area. By reducing I/I by 35%, we decrease the need for construction projects that add system capacity within the sewer system and the need for wet weather treatment capacity expansion at the Kaw WWTP.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	400,000					400,000
Construction/Maintenance	1,600,000					1,600,000
Total	2,000,000					2,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Wastewater	2,000,000					2,000,000
Total	2,000,000					2,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Improvement
Useful Life
Category Wastewater
Priority 1 Critical
Status Active

Project # UT1796CIP
Project Name Collection System Field Operations Building

Department Priority
 Unfunded

Total Project Cost: \$7,000,000

Description
 Collection System Field Operations Building

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	70,000	1,330,000				1,400,000
Construction/Maintenance	280,000	5,320,000				5,600,000
Total	350,000	6,650,000				7,000,000

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Wastewater	350,000	6,650,000				7,000,000
Total	350,000	6,650,000				7,000,000

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Maintenance
Useful Life
Category Water
Priority 1 Critical
Status Active

Project # UT1797CIP
Project Name 2017 Clinton WTP Improvement Program

Department Priority
 Unfunded

Total Project Cost: \$324,500

Description
 2017 Clinton Water TP Annual Improvement Program

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	64,900					64,900
Construction/Maintenance	259,600					259,600
Total	324,500					324,500

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Water	324,500					324,500
Total	324,500					324,500

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Improvement
Useful Life
Category Water
Priority 1 Critical
Status Active

Project # UT1798CIP
Project Name 2017 Kaw WTP Improvement Program

Department Priority
 Unfunded

Total Project Cost: \$324,500

Description
 2017 Kaw Water Treatment Plant Annual Improvement Program

Justification

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	64,900					64,900
Construction/Maintenance	259,600					259,600
Total	324,500					324,500

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Water	324,500					324,500
Total	324,500					324,500

Budget Impact/Other

City Manager's Recommended Projects

Data in Year 2017

City of Lawrence, Kansas

Department Utilities
Contact UT Director
Type Maintenance
Useful Life 50 years
Category Water
Priority 1 Critical
Status Active

Project # UT1799CIP
Project Name 2017 Watermain Replacement/Relocation Program

Department Priority
 Unfunded

Total Project Cost: \$3,935,700

Description
 2018 Watermain Replacement/Relocation Program, to include watermain assessment and maintenance activities through contractor arrangements and in-house at to-be-identified locations.

Justification
 A program for the replacement and rehabilitation of deteriorated and undersized water distribution piping was identified in the 2012 Integrated Water Utility Plan and Capital Improvements Plan. Department of Utilities staff continuously evaluates the condition of the water distribution system based on main breaks, pipe material and age, capacity and fire protection needs. Based on these criteria, along with the criticality of the watermain within the system and the number of services affected, watermains are targeted for replacement.
 Continued progress in water main replacement further increases the reliability of the City's water transmission system.

Expenditures	2017	2018	2019	2020	2021	Total
Planning/Design	787,140					787,140
Construction/Maintenance	3,148,560					3,148,560
Total	3,935,700					3,935,700

Funding Sources	2017	2018	2019	2020	2021	Total
Utility - Water	3,935,700					3,935,700
Total	3,935,700					3,935,700

Budget Impact/Other



City of Lawrence