

DRAFT Recommended Projects

2017 *thru* 2021

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.

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

DRAFT Recommended Projects

2017 *thru* 2021

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

DRAFT Recommended Projects

2017 *thru* 2021

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.

DRAFT Recommended Projects

2017 *thru* 2021

Department Fire Medical

City of Lawrence, Kansas

Contact Fire Chief

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

Type Equipment

Useful Life 20 years

Category Equipment

Priority 3 Important

Status Active

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

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 4 Less Important

Status Active

Project # FM1804CIP
Project Name Personal Protective Equipment Extractors

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$75,000

Description
 Purchase of five Extractors for Personal Protective Equipment. Need front-loading machines that do not have an agitator. Machines should be designed for cleaning personal protective clothing.

Justification
 Currently using inadequate residential washing machines that do not meet standards. Clean and decontaminated personal protective clothing is a health and safety issue. Gear may be contaminated and must be properly laundered and dried to reduce known carcinogens.
 Cancer is the #2 cause of death in the fire service.

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
Equipment Reserve Fund		75,000				75,000
Total		75,000				75,000

Budget Impact/Other
 Additional Extractor may need to be considered if new fire station is built. Will explore possibility of grant funding for project.

DRAFT Recommended Projects

2017 *thru* 2021

Department Fire Medical

City of Lawrence, Kansas

Contact Fire Chief

Project #	FM1807CIP
Project Name	Apparatus Bay Exhaust System

Type Improvement

Useful Life 20 years

Category Equipment

Priority 1 Critical

Status Active

Department Priority 1 Critical

Unfunded

Total Project Cost: \$200,000

Description
Install a vehicle diesel exhaust removal system in the apparatus bay of Fire Medical stations. This is a standalone, ceiling-suspended air filtration process powered by a blower that pulls, directs, and removes diesel exhaust fumes. The system uses an electrically communicated motor technology that uses low amounts of energy.

Justification
The current exhaust system does not fit the current medic units.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings		200,000				200,000
Total		200,000				200,000

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

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Improvement

Useful Life

Category Buildings

Priority 2 Very Important

Status Active

Project # FM1811CIP
Project Name Fire Station Number 6

Department Priority 5 Future Consideration

Unfunded

Total Project Cost: \$0

Description
 Construct a district Fire Medical Station to provide additional response capabilities in the identified area.

Justification

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

Funding Sources	2017	2018	2019	2020	2021	Total
Unfunded		4,000,000				4,000,000
Total		4,000,000				4,000,000

Budget Impact/Other
 Requires 21 FTE, Douglas County cost share is 25%.

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 12 years

Category Equipment

Priority 2 Very Important

Status Active

Project # FM1812CIP
Project Name Quint for New Fire Station

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$0

Description
 When Fire Station No. 6 opens a Quint (combination ladder and engine) will need to be purchased for assignment to this station.

Justification
 Quints and Medic units work together in concert out of outlying stations providing greater flexibility and efficiency of fire and medical services to citizens of Lawrence.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings		0				0
Total		0				0

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

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 12 years

Category Equipment

Priority 3 Important

Status Active

Total Project Cost: \$1,250,000

Project # FM1817CIP
Project Name 641 Replacement Quint 40

Department Priority 2 Very Important

Unfunded

Description
 Replacement of Quint 40. The apparatus is a 2006 Pierce Lance.

Justification
 Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings		1,250,000				1,250,000
Total		1,250,000				1,250,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt		1,250,000				1,250,000
Total		1,250,000				1,250,000

Budget Impact/Other
 Cost will be reduced by trade-in-value - TBD

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 2 Very Important

Status Active

Project # FM1908CIP
Project Name Personal Protective Equipment Alternate Set

Department Priority 5 Future Consideration

Unfunded

Total Project Cost: \$540,000

Description
 Issue a back-up set of personal protective equipment to fire medical members.

Justification
 A second set of personal protective equipment would better align the Department with standards set by the National Fire Protection Association. A 2nd set of gear allows more time for equipment to be cleaned preventing exposure to harmful carcinogens.
 Cancer is the #2 cause of death in the fire service.

Expenditures	2017	2018	2019	2020	2021	Total
Other			540,000			540,000
Total			540,000			540,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt			540,000			540,000
Total			540,000			540,000

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life

Category Equipment

Priority 2 Very Important

Status Active

Project #	FM1914CIP
Project Name	Rescue Equipment for Rescue 5

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$75,000

Description
Replace and upgrade technical rescue equipment on Rescue 5.

Justification
Replace 10 year old technical rescue equipment that exceeds operational life.

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
Equipment Reserve Fund			75,000			75,000
Total			75,000			75,000

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 2 Very Important

Status Active

Project # FM1920CIP
Project Name 645 Replacement Rescue 5

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$760,000

Description
 Replacement of Rescue 5 to be placed in service at Station 5. The apparatus is a 2009 Pierce Velocity.

Justification
 Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings			760,000			760,000
Total			760,000			760,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt			760,000			760,000
Total			760,000			760,000

Budget Impact/Other
 Cost reduced by trade in value - TBD

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 1 Critical

Status Active

Project # FM2009CIP
Project Name Mobile Radios

Department Priority 1 Critical

Unfunded

Total Project Cost: \$600,000

Description
 100 Single-band mobile radios.

Justification
 Exceeds 10 year electronics life - technology outdated

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings				600,000		600,000
Total				600,000		600,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt				600,000		600,000
Total				600,000		600,000

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 1 Critical

Status Active

Project # FM2010CIP
Project Name Portable Radios

Department Priority 1 Critical

Unfunded

Total Project Cost: \$900,000

Description
 150 portable radio units.

Justification
 Exceeds 10 year electronics life - technology outdated

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings				900,000		900,000
Total				900,000		900,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt				900,000		900,000
Total				900,000		900,000

Budget Impact/Other

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Maintenance

Useful Life

Category Buildings

Priority 4 Less Important

Status Active

Project # FM2045CIP

Project Name Training Center Remodel

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$250,000

Description

Modify existing Training Center to add a City classroom/training lab, add a tiered seating training room for City use.

Justification

We currently need an additional City/County department training space that can be used in conjunction with outside/field training. This space can be used as a computer training lab for the City.

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
General Obligation Debt				250,000		250,000
Total				250,000		250,000

Budget Impact/Other

Douglas County will pay 25% of actual cost.

DRAFT Recommended Projects

2017 *thru* 2021

Department Fire Medical

City of Lawrence, Kansas

Contact Fire Chief

Project #	FM2126CIP
Project Name	634 Replacement Investigation Unit 1

Type Equipment

Useful Life 15 years

Category Equipment

Priority 3 Important

Status Active

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$375,000

Description
Replacement of Investigation Unit 1 apparatus assigned to the Investigation Center. The apparatus is a 2006 Pierce/Medtech GMC 4500.

Justification
Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings					375,000	375,000
Total					375,000	375,000

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt					375,000	375,000
Total					375,000	375,000

Budget Impact/Other
Cost reduced by trade in value - TBD
Douglas County will pay 25% of cost.

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 12 years

Category Equipment

Priority 2 Very Important

Status Active

Total Project Cost: \$1,287,500

Project #	FM2127CIP
Project Name	642 Replacement Quint 20

Department Priority 2 Very Important

Unfunded

Description
Replacement of Quint 20. The apparatus is a 2009 Pierce Velocity.

Justification
Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings					1,287,500	1,287,500
Total					1,287,500	1,287,500

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt					1,287,500	1,287,500
Total					1,287,500	1,287,500

Budget Impact/Other
Cost reduced by trade in value - TBD

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 12 years

Category Equipment

Priority 2 Very Important

Status Active

Total Project Cost: \$1,287,500

Project #	FM2128CIP
Project Name	643 Replacement Quint 50

Department Priority 2 Very Important

Unfunded

Description
Replacement of Quint 50. The apparatus is a 2009 Pierce Velocity.

Justification
Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings					1,287,500	1,287,500
Total					1,287,500	1,287,500

Funding Sources	2017	2018	2019	2020	2021	Total
General Obligation Debt					1,287,500	1,287,500
Total					1,287,500	1,287,500

Budget Impact/Other
Cost reduced by trade in value - TBD

DRAFT Recommended Projects

2017 *thru* 2021

City of Lawrence, Kansas

Department Fire Medical

Contact Fire Chief

Type Equipment

Useful Life 10 years

Category Equipment

Priority 1 Critical

Status Active

Project #	FM2129CIP
Project Name	647 Replacement Truck 5

Department Priority 2 Very Important

Unfunded

Total Project Cost: \$0

Description
Replacement of Truck 5 located at Station 5. The apparatus is a 2011 Pierce Velocity.

Justification
Replacement based on City vehicle replacement schedule.

Expenditures	2017	2018	2019	2020	2021	Total
Equip/Vehicles/Furnishings					0	0
Total					0	0

Funding Sources	2017	2018	2019	2020	2021	Total
Unfunded					1,545,000	1,545,000
Total					1,545,000	1,545,000

Budget Impact/Other
Cost reduced by trade in value - TBD