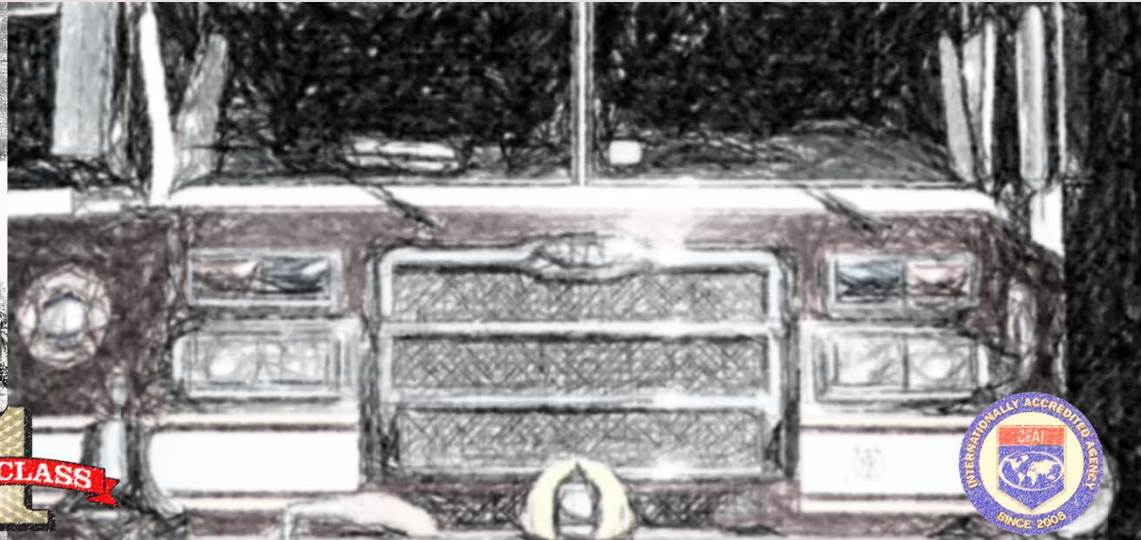


# LAWRENCE-DOUGLAS COUNTY FIRE MEDICAL

## 2017 ANNUAL REPORT



**“COMMITTED TO SAVING AND PROTECTING LIVES AND PROPERTY”**



City of Lawrence



# WELCOME



**Chief Mark Bradford**

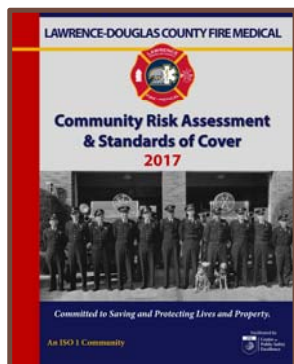
As Fire Chief, my priority has been to efficiently manage our department's budget in a manner that improves service delivery to our community, while providing the necessary tools, training and technology to the members of our department who provide that service. I believe our members possess all that makes our department great; **Professionalism, Respect, Integrity, Diversity, Excellence (PRIDE)**.

It is with great pride that I can report our department is one of just two-hundred thirty-nine fire departments in the world accredited through the Commission on Fire Accreditation International (CFAI). In 2017, the department prepared for its third accreditation review since 2008 by the CFAI.

As part of this review, we are striving to be compliant with the new 9th Edition of the Fire and Emergency Services Self-Assessment Manual (FESSAM). Documents included in this review are the Community-Risk Associations Standards of Cover (CRASOC), Community-Driven Strategic Plan, and Self-Assessment Manual, which consists of two-hundred and fifty-two performance indicators.

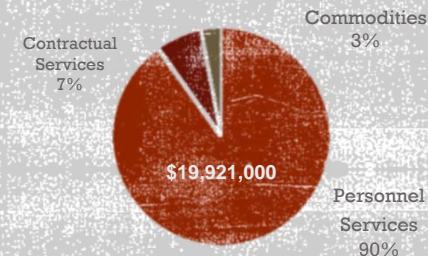
The document review process began in October of 2017 and should conclude in August 2018 with a hearing in front of a diverse board of commissioners who represent the CFAI. An outcome to this continuous improvement model is a joint review; the department, and the CFAI both identify opportunities for improvement. Based on this review, the commission will determine accredited agency status at the hearing in August in 2018.

It is a pleasure to share an overview of the accomplishments and activities that occurred in 2017, not only within our department but also within the community of Lawrence and Douglas County, Kansas.

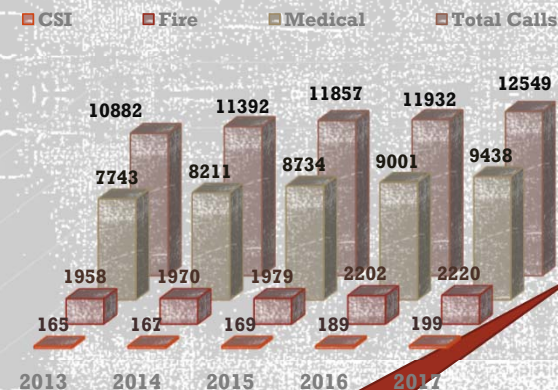


**Review our Community Risk Assessment and Standards of Cover at:**  
[www.lawrenceks.org/fire-medical/publications-and-reports/](http://www.lawrenceks.org/fire-medical/publications-and-reports/)

## 2017 Fire Medical Budget



## No. of Incidents in Past 5 Years



**Emergency  
Requests Increased  
5.2%  
2016-2017**





# IN OUR COMMUNITY

## Operation Red File



The Kansas Department of Aging and Disability Services partnered with sponsors in Douglas County to launch Operation Red File in February, 2017. Operation Red File is designed to help seniors keep their critical health information accessible if needed in an emergency.

Participants in Operation Red File receive a large, red, magnetic folder that can be placed on their

refrigerators, where 1<sup>st</sup> Responder's will know to look for it, for instant access to medical history, medication records, etc. Participants are encouraged to put copies of medical information and other critical documents, such as medication list, medical forms, and medical coverage information into the folder.

These "red" files are available on every fire apparatus, medic unit, and at the department's Administration Office located at 1911 Stewart Ave.

## 2017 Lawrence Helmet Fair

This year's helmet fair was a big success with 250 helmets being fitted and given to participants 15 and under. As well, participants were able to have their bikes inspected, learned about bike safety and many other safety tips.

Thank you to all our sponsors and the KU Women's Swim Team for volunteering their time to help with this year's event.

## Community Blood Drive

In May, the department hosted a community blood drive to support the Community Blood Center (CBC) in their efforts to save lives by donating blood to benefit local patients. Lawrence and Douglas County citizen's were invited to visit the Donor Bus, parked outside the Administration Office, to donate blood. We had great success with the drive and want to thank everyone that helped support CBC!

## Neighorly Bond Issuance Supports Fire Truck Purchase

In April 2017, the city offered mini-bonds for the first time to help finance a fire truck for Lawrence-Douglas County Fire Medical Department.

The City worked with Neighorly to market and sell these bonds to local residents. These Neighorly bonds enabled residents to earn tax-exempt interest and invest in their future while supporting the future of the fire medical department.



The bonds were sold in \$1,000 denomination for a total amount of \$654K, enabling the department to purchase a 2017 Pierce Velocity Engine.

## Project LIVELY

Over the past year, Lawrence-Douglas County Health Department's Project LIVELY program has become another important agency in helping the department meet its mission. Project LIVELY is a voluntary care coordination program that aims to promote health, independence and well-being for older adults. The department has been able to provide information on this program to our older patients in hopes of helping them remain independent.

If you know someone that might be interested in this program, please contact Lawrence-Douglas County Health Department.

2017  
Public Education

Over 115 public  
education events  
were given.

Reaching over  
7,300 citizens

An average of  
8,721 people are  
reached through  
social media.

3,412 Facebook  
Followers



### 2017 Greek Academy

This program is directed at university students in fraternities and sororities. It provides hands on training in safety and survival.



### Fire Safety Presentation Haskell University Pocahontas Hall



### School Safety Presentation



### LMH Health Fair

Find us on  
Facebook





## Mutual Aid Reponses

This year was an active year for the department responding to mutual aid request throughout Douglas County, the surrounding area, and the State of Kansas.

The department responded to 19 requests for assistance in the State of Kansas. In addition to supporting other agencies in Douglas County, we responded to emergencies in the counties of Clark, Jefferson, Johnson, Leavenworth, and Reno. Some of the most notable responses were:

- January { • Leavenworth County, KS - I-70 mile marker 209 assisted with a motor vehicle accident that closed I-70.
- March { • Reno County, KS - sent personnel and apparatus to the City of Hutchinson to assist with wildland fire threat.
- March { • Clark County, KS - sent personnel and apparatus to assist with the wildland fire near Ashland.
- March { • Overland Park, KS - sent personnel and apparatus to assist with a wind driven fire that destroyed an apartment building under construction and dozen of homes downwind from the fire.
- July { • Leavenworth County, KS - responded to I-70 mile marker 218 to assist with multiple vehicle fires resulting from a motor vehicle accident.



**Lawrence Art Center**  
**"The Best Christmas Pageant Ever"**  
 A few of our off-duty firefighter made their staff debut in a cameo appearance.



**MDA Fill the Boot Campaign**

## Community Development

It was another busy year for development in the City of Lawrence. While fire plans review for construction were down slightly from 2016, there were significant increases in the number of permit inspections conducted for construction (up 12%) and project reviews (up 20%) for development on the near horizon. Prevention staff completed 98% of all reviews within 15 days and 68% under 5 days, exceeding the City's current goals of development reviews being completed.

The city continues its aggressive pursuit of commercial business inspections. The City currently has 4,510 commercial occupancies that are inspected annually by Operations crews, Night Consultants, and Prevention staff. In 2017, 98.5% of all commercial occupancies were inspected. This was an increase of 1.5% over 2016 efforts.

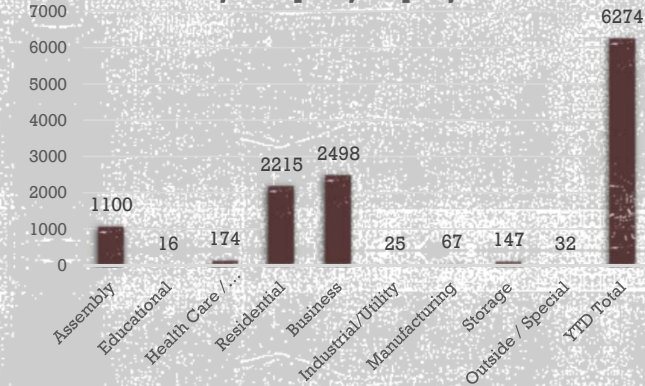
## Home Inspections and Smoke Alarms

Smoke alarms are a critical item in home safety to alert building occupants of a fire and we have continued to provide smoke alarms upon request to elderly and or disadvantaged home owners within the City of Lawrence. After the fire that claimed a life last Spring, department members canvassed the neighborhood in which the fire occurred to check, and when necessary, installed smoke alarms to improve life safety.

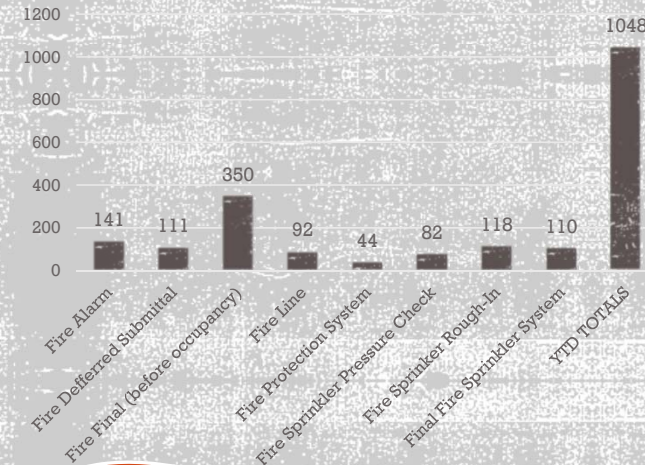
In the Fall of 2017, Engineer Mark Campbell, took note that a hearing impaired person that we responded to during a medical emergency did not have a smoke alarm that would alert them to a fire. Engineer Campbell took the initiative and assisted the resident with completing the documentation to obtain a smoke alarm for the hearing impaired, at no cost, through the Kansas State Fire Marshal. As well, he then assisted the State Fire Marshal's Office with the installation of four additional devices to other community members.

Prevention staff continue to work with our partner, Community Village Lawrence (CVL), to conduct home fire safety inspections that provide an assessment and recommendations for a fire safe home to the elderly and or disabled that participate in the CVL program.

## YTD Operations Division Inspection Activity by Occupancy Property Use



## YTD Prevention Division Inspection Activity by Inspection Type



**7,332 Total Inspections completed**



Lawrence-Douglas County Fire Medical  
 "Committed to Saving and Protecting Lives and Property"

# DEPARTMENT NEWS

## Station No. 1 Renovation Update

Fire Station No. 1 located at 746 Kentucky remains under renovation. The renovation project which began in 2016 has experienced several delays such as: relocating fire and senior center personnel, remediation of hazardous material in the building, modifying the project to include the senior center, and application for historic status and tax credits. The completed renovation will house the Senior Resource Center of Douglas County as a dual function building. During the renovation, firefighters are temporarily being housed in a trailer on Eighth Street at Kentucky. These four firefighters staff an Engine still responding from station one while the ambulance once located at the station now responds from a facility at 19th and Massachusetts. Once the renovation is completed, both the ambulance and fire engine will respond from the same location at 746 Kentucky.



## Driver Simulator Training

In the fall of 2017, the department performed drivers training using the Kansas Fire Rescue & Technical Institute's recently purchased driving simulator. The simulator allows firefighters to drive large, expensive trucks in virtual world without the risk of damage on the open road. As well, the simulator teaches muscle memory for new driving techniques, can fix bad habits before they begin, and more experienced drivers can sharpen their skills that haven't been used in awhile. This type of training saves departments time and money, along with wear and tear on the engines and tires.

## Douglas County Active Shooter Plan

The department built on its success of the implementation of the Douglas County Active Shooter Plan, which provides a framework for responding to those tragic events by hosting a large-scale tabletop exercise. This exercise incorporated a sizeable HazMat response along with an active shooter that evolved into a mass casualty. This was to evaluate and examine gaps in the response plan from the first arriving crews up through the implementation of Emergency Management. Local law enforcement joined the department in active shooter practical scenarios at Southwest Junior High and East Heights Elementary to begin training the crews on "warm zone operations." This training is ongoing and more important now than ever.

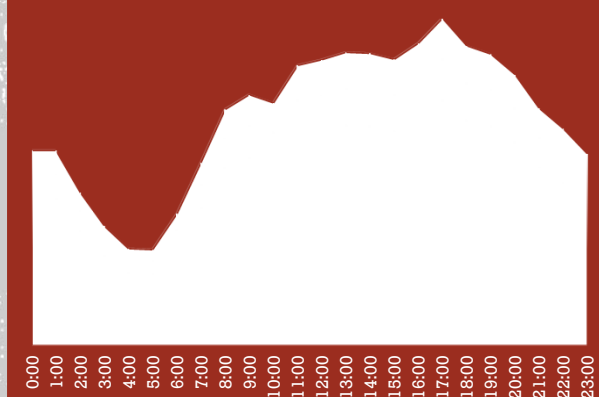
## Natural Disaster Drill

On October 19, 2017 several agencies (including public, private and non-profit) participated in a natural disaster exercises encompassing Lawrence, Eudora and Douglas County. The drill was conducted at the Douglas County Emergency Operation Center with representatives from these various agencies challenging each organization with managing on-going rounds of severe weather (excessive rain and tornadoes) affecting critical infrastructure. This successful exercise confirmed recent training and planning efforts, cultivated local partnerships and identified ways for each entity to enhance their operations.

## No. of Emergency Response Incidents by Day of Week



## NO. OF EMERGENCY RESPONSE INCIDENTS BY TIME OF DAY



## AutoPulse Devices Purchased

Douglas County Commission unanimously approved the purchase of several auto pulse devices, which provides high-quality automated CPR to victims of sudden cardiac arrest. The AutoPulse devices can perform a more consistent chest compression, increasing the chances of a positive patient outcome of pre-hospital cardiac arrests.



**In February of 2017, the department expanded its medical fleet by adding an ambulance which was stationed in the Eudora Public Safety Building within the City of Eudora.**

The department currently has 14 Auto Pulse devices in place and have seen an increase in clinical saves. Additional AutoPulse devices will be placed on apparatus not currently outfitted with one, as well as replace some of the existing outdated machines.

These new devices will allow us to better serve cardiac patients and coordinate with Lawrence Memorial Hospital, who also uses the newest medical technology.





# STAFF HIGHLIGHTS

## Welcome to the Department

In 2017, we had the pleasure of welcoming some new members to our team to help fulfill our mission to the community.



**Division Chief  
Thomas Fagan**

Thomas Fagan was hired in August 2017 as the Division Chief of Administration, replacing retired Division Chief Bill Stark. Division Chief Fagan began his fire service career in 1999 as a volunteer firefighter/EMT in Gardner, Kansas. He became a professional firefighter in 2000 with the Lee's Summit Fire Department in Missouri; later becoming a Paramedic in 2002. While with the Lee's Summit Fire Department, he served as the accreditation manager helping them achieve accredited status in 2016. Division Chief Fagan has over 17 years of professional fire service experience working within a fire-based EMS system as a firefighter, paramedic, driver/operator, and officer. Division Chief Fagan is a Peer Assessor for the Commission on Fire Accreditation International and a credentialed Fire Officer (FO) by the Center for Public Safety Excellence's Commission on Professional Credentialing.



**Division Chief  
Kevin Joles**

Kevin Joles was hired November 2017 as the Division Chief of Emergency Medical Services (EMS) replacing retired Division Chief Eve Tolefree. Division Chief Joles began his fire career in 1996 as a volunteer and full-time Fire Specialist/EMT at Prairie Township Fire Protection District, Missouri. He rose through the ranks from firefighter to Battalion Chief from 2000-2005 with the Southern Platte Fire Protection District, Parkville, Missouri. He also served in Liberty, Missouri as a firefighter/paramedic and for seven years in academia with Johnson County Community College Fire Service Program. Since 2007, he served in numerous roles, most recently the Captain of EMS Operations/Training with the Olathe Fire Department, Kansas. He has over 21 years of professional fire service experience working within fire-based EMS system as a firefighter, paramedic, driver/operator, and officer.



**Debra Mitra  
Administrative  
Support IV**

Debbie Mitra was hired August 2017 as part of the Administration Division to support the department in budgeting and financial processes. Debra has a background in Budgeting and Financial Reporting, as well as a B.S. in Accounting and an M.B.A. with a concentration in Finance.



**Captain  
Chris Morrow**



**Division Chief  
Eve Tolefree**

Division Chief Eve Tolefree retired, September 15, 2017, after 31 years of dedicated service to the citizens of Douglas County and the City of Lawrence. Eve, was the Division Chief of EMS and the first female Division Chief in the history of the department.

Administrative Assistant Debi Thompson retired, March 23, 2017, after 24 years with the City of Lawrence. She began her career with the Finance department before transferring to the Fire Medical department in 1997.

## Commission of Professional Credentialing Fire Officer Designation

Captain Chris Morrow successfully completed the process and was credentialed with the professional designation of "Fire Officer". This designation is awarded by the Center for Public Safety Excellence's Commission on Professional Credentialing.

The designation program is a voluntary program designed to recognize individuals who demonstrate their excellence in seven measured components, including experience, education, professional development, professional contributions, association membership, community involvement and technical competence. In addition, all applicants are required to identify a future professional development plan.

Congratulations Captain Morrow.

## Retirements

### In Memory

**Captain Jason Smith** (1973-2017) worked for the department for 20 years, before his untimely death in May, 2017.

**Engineer Jay Stalcup** (1959-2017) worked for the department for 28 years before his retirement.

**Edward Sangster** (1945-2017) worked for the department for 31 years before his retirement.



### 2017 VALOR AWARDS

#### CPR/AED Life-Saving

Captain Pat Karlin  
Lieutenant Rob Leach  
Engineer Hank Besack  
Engineer Cody Briggs  
Engineer Jen Persons  
Firefighter Jen Persons  
Firefighter Dan Franke  
Firefighter Andrew Krzanowsky

#### Meritorious Award

Division Chief Lyle Schwartz  
Captain Aaron Flory  
Paramedic Jason Williams  
Engineer Todd Dwyer  
Engineer Alex Thomas  
Firefighter Matt Bahnmaier

#### Silver Award

Lieutenant Jeff Holland  
Lieutenant Ryan Hornberger

### PROMOTIONS

Captain Andy Flory  
Lieutenant Vincent Davis  
Engineer Seamus Albritton  
Engineer Matt Bahnmaier  
Engineer Steven Marquardt  
Engineer Andrew White  
Paramedic T.J. Everett  
Paramedic Jared Gorman  
Firefighter Josh Brouhard  
Firefighter Paul Davis  
Firefighter Andrew Denning

### 23<sup>rd</sup> RECRUIT ACADEMY

Michael-Shayne Baxter  
Kathryn Beseth  
Cole Broockerd  
Joshua Brouhard  
Aaron Davenport  
Paul Davis  
Andrew Denning  
John Dolan  
Trenton Everett  
Tobias Groene  
Patrick Schneider  
Clayton Seals  
Simon Stephenson  
Zach Taylor

### 20 YEAR SERVICE HELMET AWARDED

Lieutenant Dave Sherman (2016)  
Lieutenant Earl Barnes  
Lieutenant Miguel Armenta  
Captain Joe Hardy  
Engineer Sean Humphrey  
Captain Jason Smith (decd)  
Captain Chris Morrow  
Engineer Paul Schneider  
Division Chief Justin Temple  
Engineer Steven Welter



# WHAT IS ON THE HORIZON

## Efforts to protect firefighters:

- **Firefighter gear washing machines:** The department is in the process of installing “bunker gear extractors”. These specialized industrial washing machines will be located in all Lawrence fire stations and be able to wash personal protective apparel contaminated by toxins during firefighting activity. The machines are an effort to reduce firefighter exposure to toxins and reduce the risk of cancer.
- **Apparatus exhaust reduction:** The department will be installing new apparatus exhaust systems in all Lawrence fire stations. These new system will be a more efficient and effective way to minimize fire truck emissions in the apparatus bays, which is harmful to firefighters and the building. This project will be funded through 2018 capital improvement funds.

## Training tower replacement:

- The firefighter training tower located at 19<sup>th</sup> and Haskell will be replaced in 2018. The replacement will address the degradation of the current building and provide some upgrades. The new tower will retain the capability of burning class-a materials, but within a larger burn room. Additionally, the tower will have an integrated smoke machine and several anchor points for rope rescue training evolutions. This project will be funded with 2018 capital improvement funds.

## Replacement of fire engine:

- Engine 1, stationed at 746 Kentucky will be replaced with a new apparatus in 2018. The department is utilizing an Engine Project Team consisting of firefighters, apparatus drivers, apparatus mechanics, officers, and fire chiefs to design an asset to meet the needs of the community now and in the future. The team will be performing an assessment to identify the strengths, weaknesses, opportunities, and threats (SWOT) to design the new Engine 1. The replacement engine will be funded by 2018 capital improvement funds, to replace a 2006 fire apparatus.

## Accreditation:

- The department will once again be evaluated in 2018 for accredited status by the Commission on Fire Accreditation International (CFAI). The department was first accredited in 2008, but will be evaluated again this spring in attempt to achieve accredited status for a third time. This process includes a site visit by assessors and a hearing before the board of commissioners in August. The department is one of 239 accredited fire departments in the world. The department is 1 of 57 fire departments in the world holding both CFAI accreditation and an Insurance Service Office (ISO) rating of 1.

**CFAI – Internationally Accredited Agency Since 2008**  
**ISO – Class 1 Community**

