



# City of South Lyon Fire Department



# 2022 ANNUAL REPORT



## **CITY OF SOUTH LYON FIRE**

217 Whipple Street  
South Lyon, MI 48178  
(248) 437-2616

[www.southlyonfire.com](http://www.southlyonfire.com)

## Table of Contents

Message from the Chief .....	3
Mission Statement, Vision Statement, and Core Values .....	4
Response Area.....	5
Fire Station .....	6
Apparatus & Vehicles .....	7
Organizational Chart .....	8
Department Portrait.....	9
Human Resources .....	10
Staffing & Schedule .....	11
Incident Responses .....	12
Training.....	17
Training Burn Containers.....	18
2022 Training Statistics.....	19
Gravel Pad Installation .....	19
Thermal Imaging Camera .....	20
Rescue Task Force Bags .....	20
Fire Prevention .....	21
Public Education & Community Outreach Events .....	22
Smoke and Carbon Monoxide Installation Program .....	24
Fire Station Floors .....	25
New Ladder Truck .....	26
Firefighter of the Year .....	27
2022 Awards & Recognition Summary .....	28
2023 Goals .....	29

## Message from the Chief



It is my pleasure to present the 2022 South Lyon Fire Department annual report. Since becoming Fire Chief in March of 2022, the City Manager, Mayor, City Council, City personnel, and members of the Fire Department have all been extremely supportive and welcoming. It has been a smooth transition and I would like to thank everyone involved.

2022 was the busiest year on record for the South Lyon Fire Department (SLFD). In 2022, the department responded to 1,079 incidents, which was a slight increase in incident responses from that of 2021. Similar to Fire Departments across the state, the South Lyon Fire Department has seen a dramatic, 67% increase in the number of incident responses over the past decade.

Over the past year, the Department has worked to update our standard operating procedures, on-the-job (OJT) training processes for new hires, and made some purchases to upgrade some fire and EMS equipment.

Being a part-time and paid-on-call department, it is not uncommon for some fluctuation of staffing as people's fulltime careers and family obligations pull them from the area and in many different directions. With people's busy personal lives and the significant increase in state mandated training and continued education requirements over the past few years, it is truly a tribute to the dedication your South Lyon firefighters have for their community.

It is my honor and privilege to work alongside the compassionate and dedicated members of the South Lyon Fire Department and I hope you find this report informative. If you have any questions about our work or suggestions on how we can improve, please reach out to me or anyone on our staff.

**JOEY THORINGTON**  
**FIRE CHIEF**

## Mission Statement, Vision Statement, and Core Values

### **Mission Statement**

The South Lyon Fire Department is committed to providing fire suppression, emergency medical services, rescue, and other emergency and non-emergency services. We accomplish this mission through training, education, and dedication to the protection of our fire personnel, residents, and visitors of the community.

### **Vision Statement**

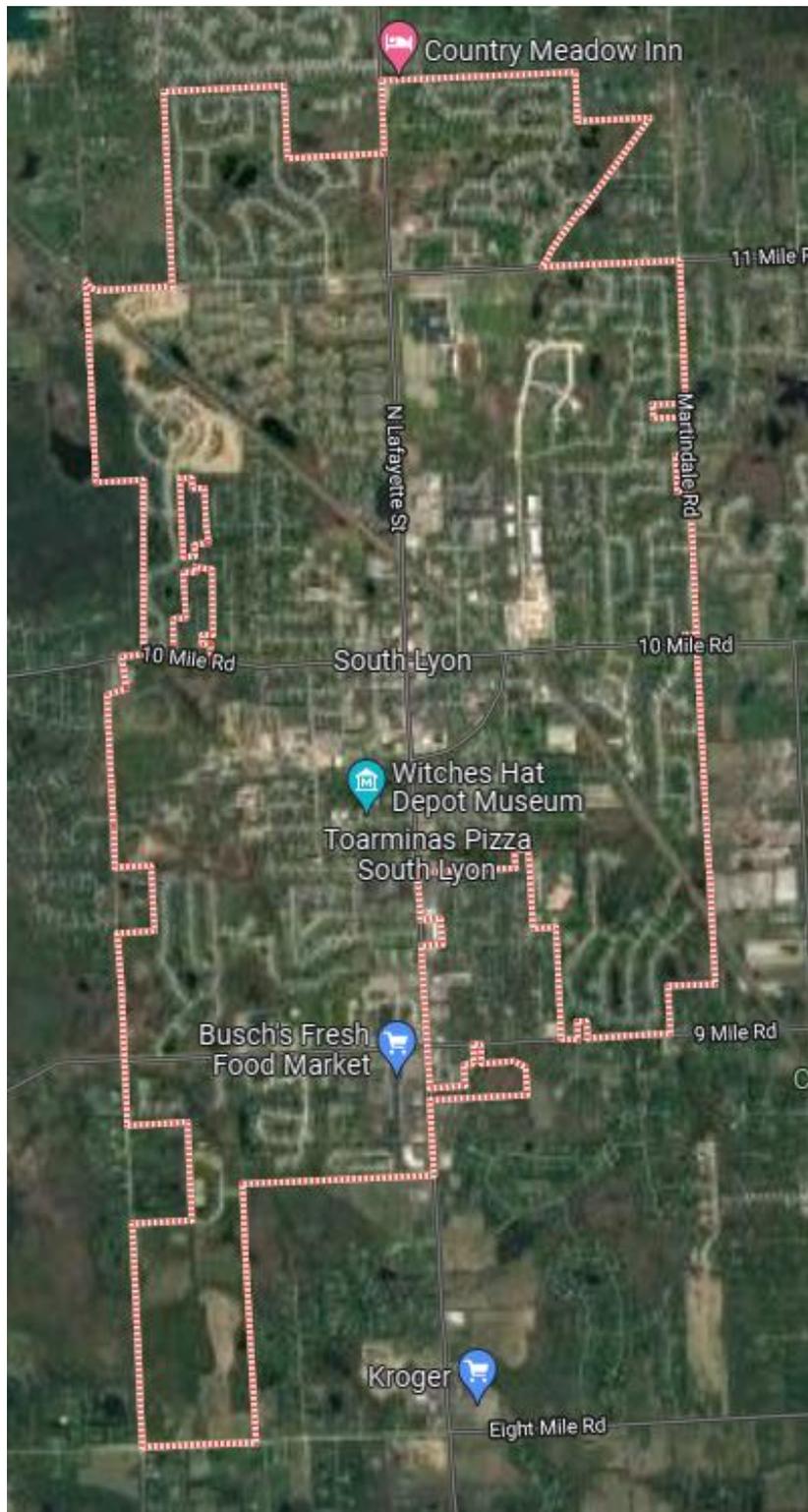
The South Lyon Fire Department will set the standard of excellence through professionalism, progressive practices, and customer service. We will create leaders through training, education, and strong ethical values. We will strive for industry best practices and excellence in emergency preparedness, response, and mitigation.

### **Core Values**

We encourage and support excellence in leadership, innovation, and service to all. We aspire to the highest level of competency through training and mentoring. We value teamwork and open communication as the foundation for everything we do. We honor our families and the deep traditions of the Fire Service. We will act with respect and integrity in all situations.



Response Area  
**City of South Lyon**



## Fire Station

**South Lyon Fire Station  
217 Whipple Street, South Lyon, MI 48178  
248-437-2616**



**The South Lyon Fire Station houses the following fire apparatus and vehicles:**

- Rescue 71
- Engine 71
- Engine 72
- Ladder 71
- Chief 7
- Utility 71

**\*\*\* Huron Valley Ambulance also shares space to house an ambulance.**

**South Lyon Fire Department  
2022 Annual Report**

**Apparatus & Vehicles**

**Engine 7-1 – 2016 Pierce Sabre**



**Engine 7-2 – 2008 KME Predator**



**Rescue 7-1 – 2010 Ford F-350**



**Ladder 7-1 – 2000 KME AerialCat**



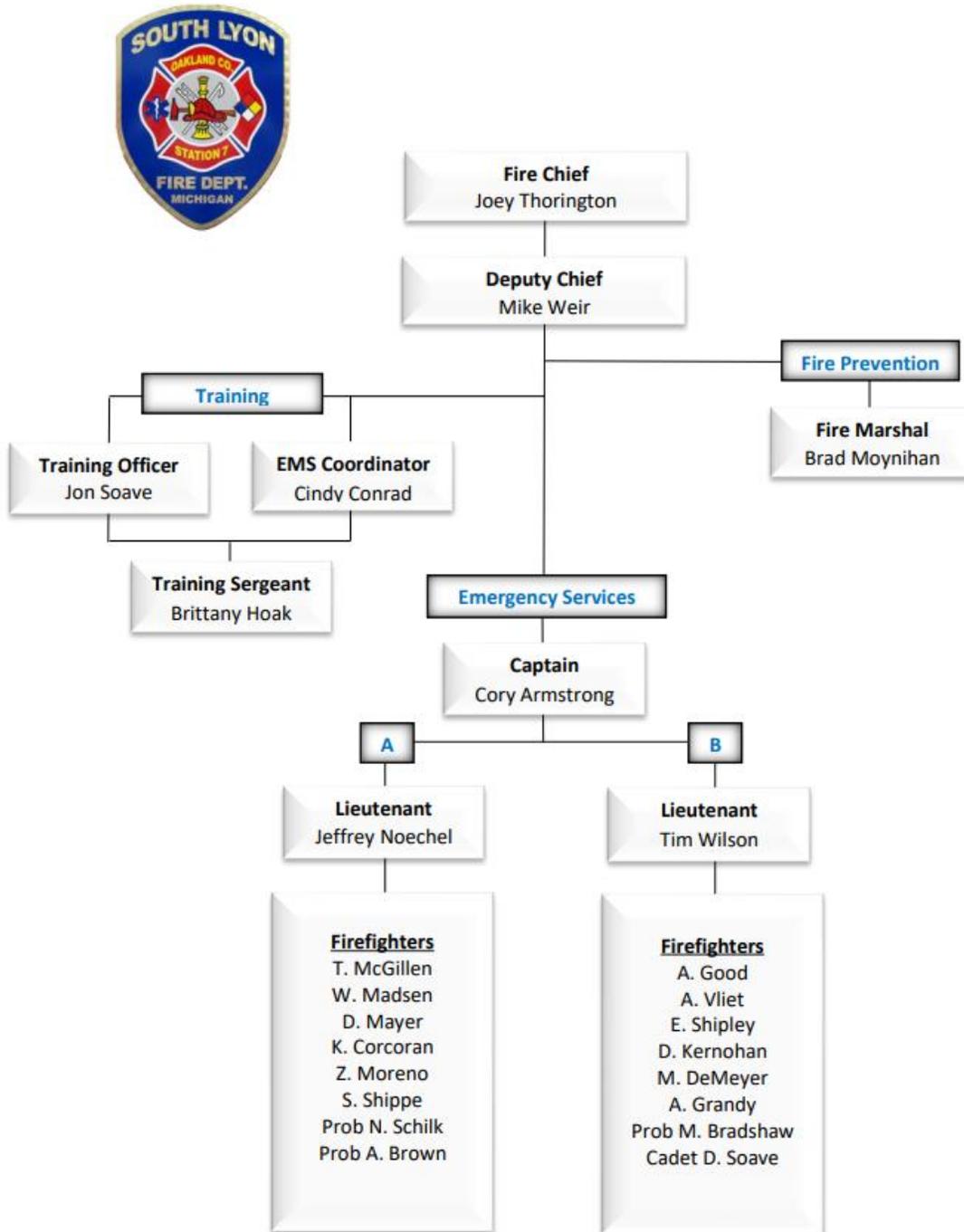
**Chief 7 – 2019 Ford Interceptor**



**Utility 7-1 – 2021 Ford F-150**



Organizational Chart



\*\* The Fire Chief is a full-time position. The Deputy Fire Chief and Fire Marshal are both salaried part-time employees. The remaining personnel are part-time and may not exceed 1,500 hours of work per year.

\*\*\* Because of limited staff numbers and never knowing who is available to respond to a larger incident, every person on staff regardless of rank can and will work 'on the ground' as a firefighter at some point.

# South Lyon Fire Department 2022 Annual Report

## Department Portrait



Chief Joey Thorington



Dept. Chief Michael Weir



Captain Cory Armstrong



Insp. Brad Moynihan



Lieutenant Cynthiw Conrad



Lieutenant Jeff Noechel



Lieutenant Tim Wilson



Sergeant Taylor Buchanan



Sergeant Brittany Hoak



Engineer Jon Soave



Engineer Alex Good



Engineer Devin Mayer



Firefighter Dexter Kernohan



APO Tim McGillen



APO Will Madsen



Firefighter Elenore Shipley



Firefighter Zachary Moreno



Firefighter Micah DeMeyer



Firefighter Madison Bradshaw



Firefighter Kyle Corcoran



Firefighter Austin Vilet



Cadet Alexander Grandy



Cadet Dominic Soava



Cadet Zoe Noechel



Cadet Charlese Stanley



## Human Resources

### Promotions/Training

- Brad Moynihan was promoted to Fire Marshal
- Jon Soave was promoted to Training Officer
- Alex Good was promoted to Aerial Pump Operator
- Dexter Kernohan was promoted to Engineer
- Eleanor Shipley was promoted to Engineer
- Alexander Grandy was promoted to Engineer
- Micah DeMeyer was promoted to Engineer

### New Hires

- Stephanie Shippe – (Firefighter I & II Certified and Licensed Paramedic)
- Madison Bradshaw – (Firefighter I & II and EMT-B)
- Nelson Schilk – (untrained)
- Aedan Branigan-Brown – (untrained)
- Brendan Conrad – (untrained)
- Dominic Soave – Cadet (untrained)

### Separations

- Taylor Buchanan
- Daniel Laitinen
- Nicole McElligat
- Zoe Noechel (Cadet)
- Charlese Stanley (Cadet)
- Luke Sterling (Cadet)
- Vivienne Synder (Cadet)

## Staffing & Schedule

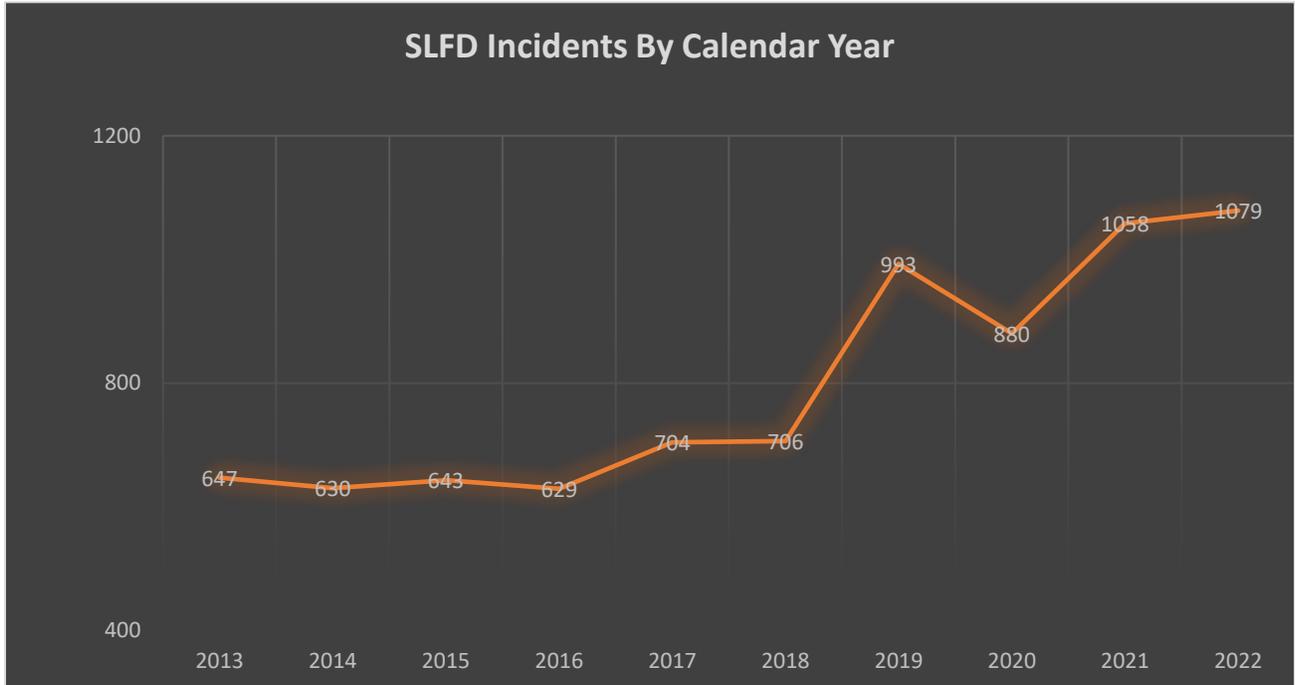
The fire station is staffed with one to two firefighters during the day (see table below for times). They work 10- or 12-hour shifts each day. Firefighters who work shifts are supported by paid-on-call firefighters when dispatched to incidents. In the event of a significant incident which requires more personnel than the shift working, paid-on-call firefighters will respond to the station, gear up, and then respond in an apparatus to the incident to assist the shift personnel. On minor events, it is common for the shift personnel to respond to the incident alone and the paid-on-call firefighters will respond to backfill the fire station. The backfill personnel prepare for another incident in the event an incident occurs concurrently. In 2022, there were 72 instances where there were 2 incidents that occurred concurrently. There were 3 instances where 3 incidents occurred concurrently.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
0000-0100	FF						
0100-0200	FF						
0200-0300	FF						
0300-0400	FF						
0400-0500	FF						
0500-0600	FF						
0600-0700	FF						
0700-0800	FF						
0800-0900	FF						
0900-1000	FF	FF	FF	FF	FF,FF	FF,FF	FF
1000-1100	FF	FF	FF	FF	FF,FF	FF,FF	FF
1100-1200	FF,FF						
1200-1300	FF,FF						
1300-1400	FF,FF						
1400-1500	FF,FF						
1500-1600	FF,FF						
1600-1700	FF,FF						
1700-1800	FF						
1800-1900	FF						
1900-2000	FF						
2000-2100	FF						
2100-2200	FF						
2200-2300	FF						
2300-2400	FF						
	10,10, 10	10,10, 10	10,10, 10	10,10, 10	10,10, 12	10,10, 12	10,10, 10
	FF	Shift 1					
	FF	Shift 2					
	FF	Shift 3					

# South Lyon Fire Department 2022 Annual Report

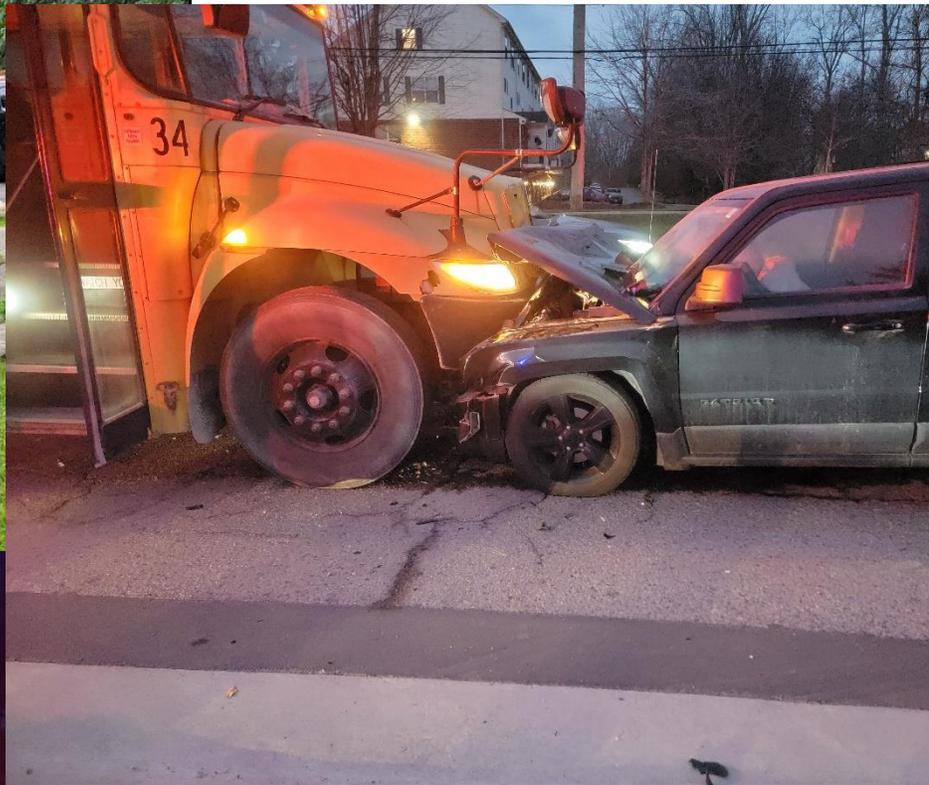
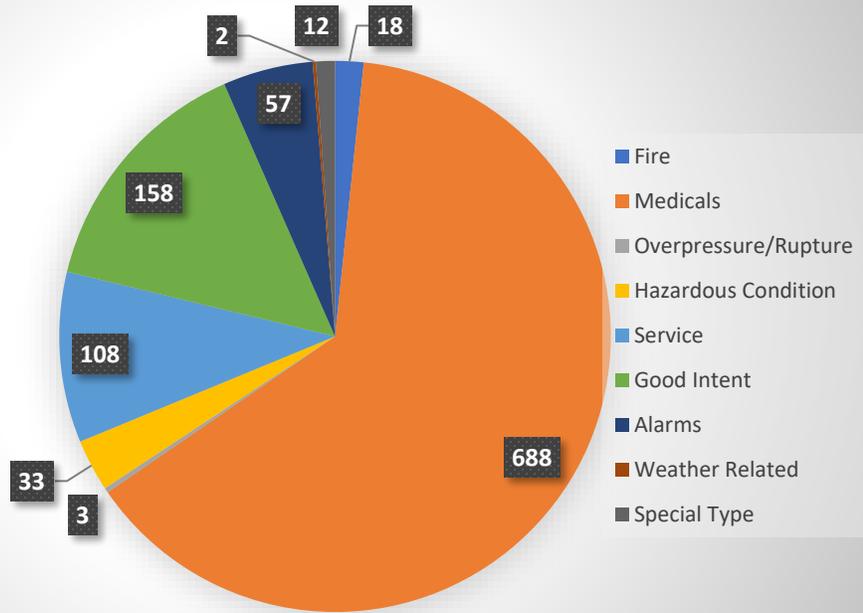
## Incident Responses

For the calendar year, the South Lyon Fire Department responded to 1,079 incidents. 2022 was the highest number of incident responses recorded in the history of the department.



# South Lyon Fire Department 2022 Annual Report

## 2022 Types of Incidents

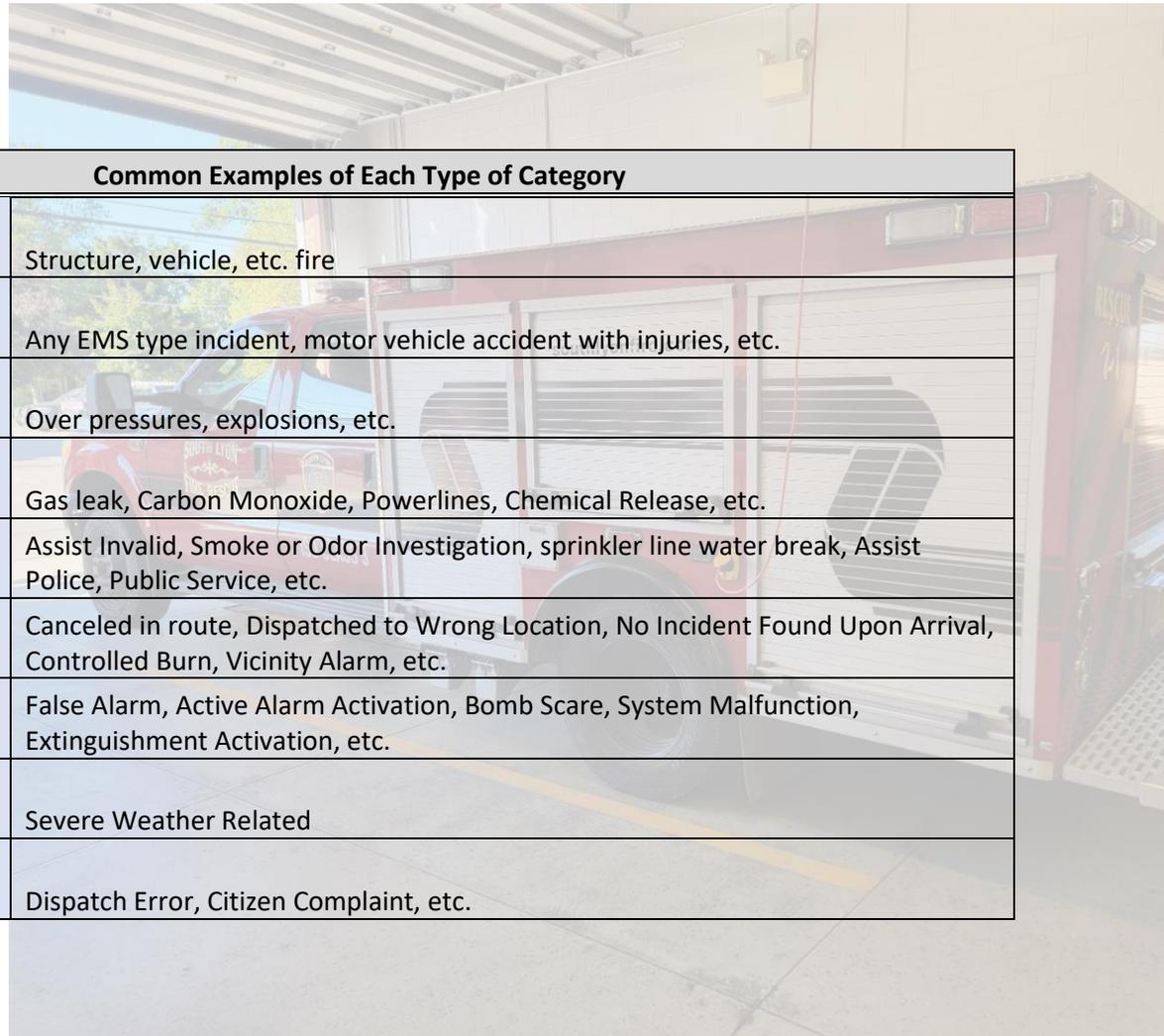


## Further Details of Types of Incident Responses

Type of Incidents	#	%
Fires	18	2%
Medicals	688	64%
Overpressure/Rupture	3	0%
Hazardous Condition	33	3%
Service	108	10%
Good Intent	158	15%
Alarms	57	5%
Weather Related	2	0%
Special Type	12	1%
	<b>1079</b>	<b>100%</b>

Types of Fires	#
Building Fire	4
Cooking fire	3
Vehicle	2
Other	9

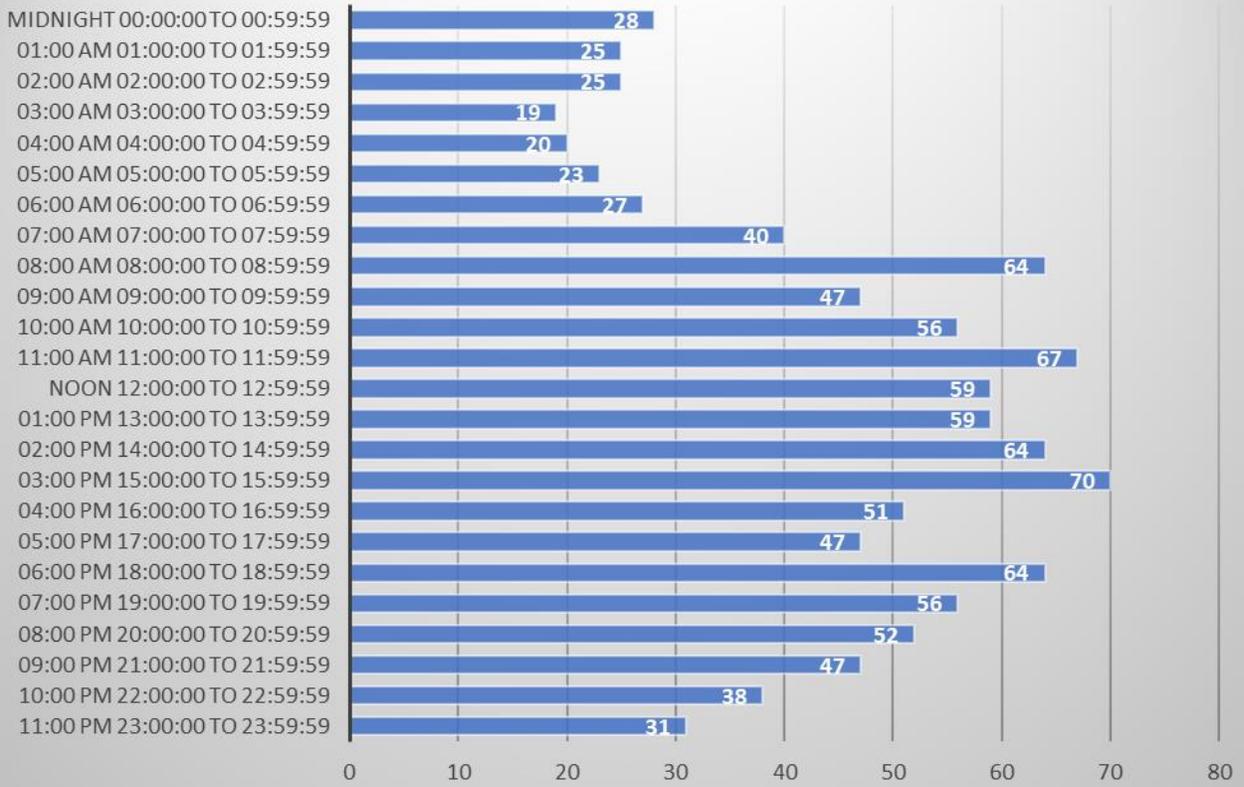
Cardiac Arrest	#
Males	11
Females	3



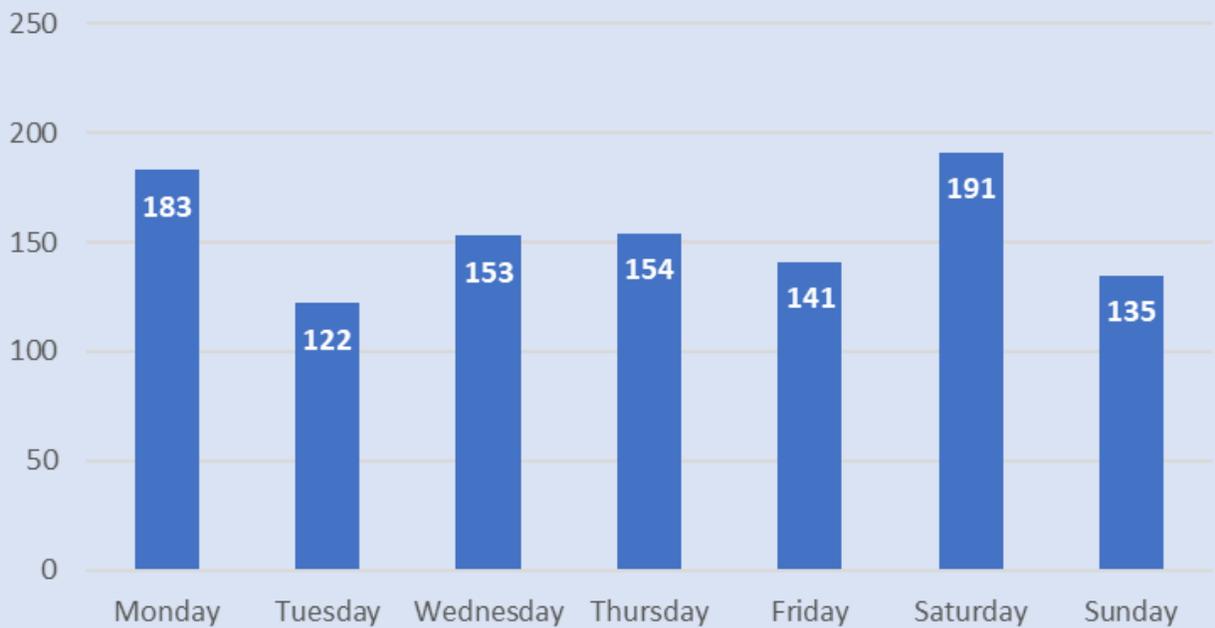
Common Examples of Each Type of Category	
Fire	Structure, vehicle, etc. fire
Medicals	Any EMS type incident, motor vehicle accident with injuries, etc.
Overpressure/Rupture	Over pressures, explosions, etc.
Hazardous Condition	Gas leak, Carbon Monoxide, Powerlines, Chemical Release, etc.
Service	Assist Invalid, Smoke or Odor Investigation, sprinkler line water break, Assist Police, Public Service, etc.
Good Intent	Canceled in route, Dispatched to Wrong Location, No Incident Found Upon Arrival, Controlled Burn, Vicinity Alarm, etc.
Alarms	False Alarm, Active Alarm Activation, Bomb Scare, System Malfunction, Extinguishment Activation, etc.
Weather Related	Severe Weather Related
Special Type	Dispatch Error, Citizen Complaint, etc.

**South Lyon Fire Department  
2022 Annual Report**

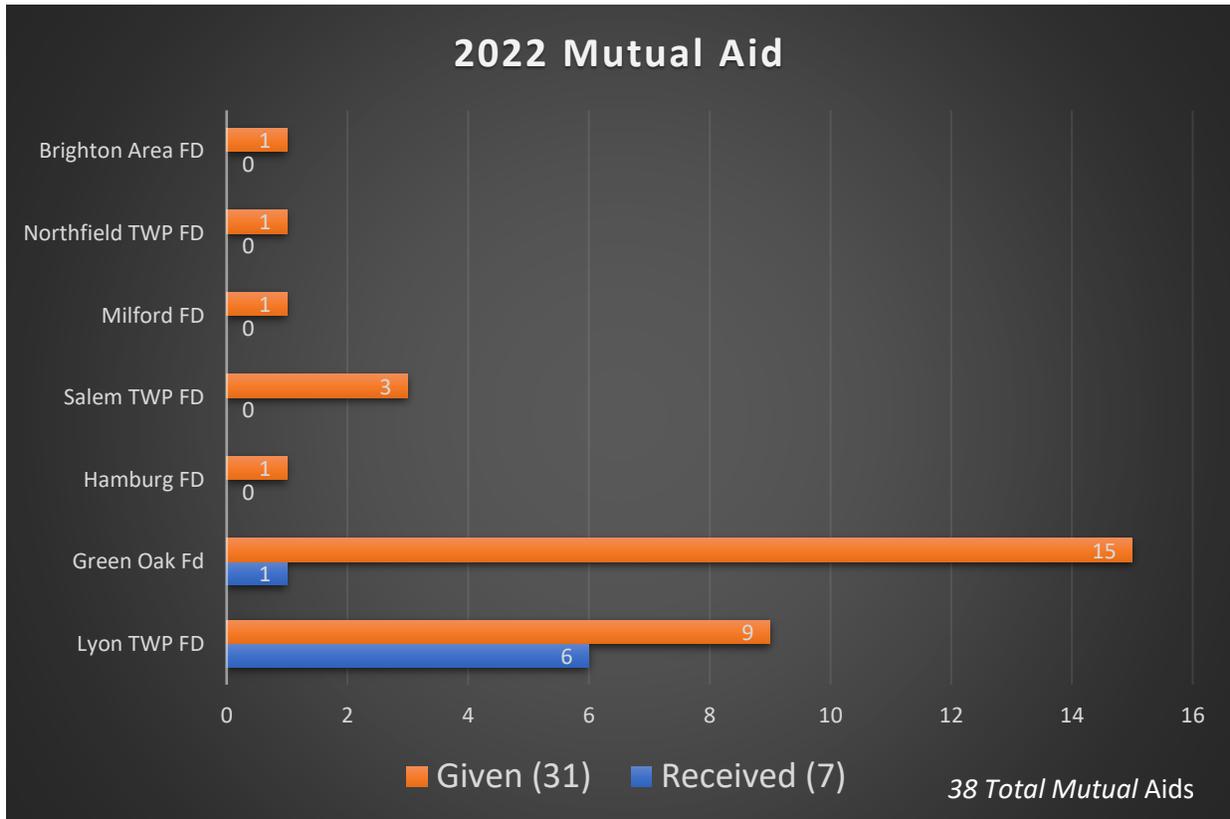
### 2022 Time of Day - Number of Incidents



### 2022 Day of Week - Number of Incidents



**South Lyon Fire Department  
2022 Annual Report**



# South Lyon Fire Department 2022 Annual Report

## Training

Jon Soave was recently promoted to the department's training officer position. He has over twenty years of fire experience and is an excellent teacher and mentor. SLFD has had multiple valuable training, many hands-on since Officer Soave accepted the promotion. His experience and ability to convey information is invaluable for SLFD firefighters.



# South Lyon Fire Department 2022 Annual Report

## Training Burn Containers

The live fire training burn containers were installed, and the interior construction was completed by firefighters in early spring of 2022. The containers have been used multiple times for live burn trainings since. It provides live fire experience in a controlled environment, supervised by senior officers, and has multiple safety facets in place. Going through evolutions with real heat and lack of visibility provides firefighters with invaluable experience that cannot be duplicated in any other way. Firefighters have gained experience and confidence, preparing them for real events where the environment will be less predictable and where direct officer oversight is not practical.



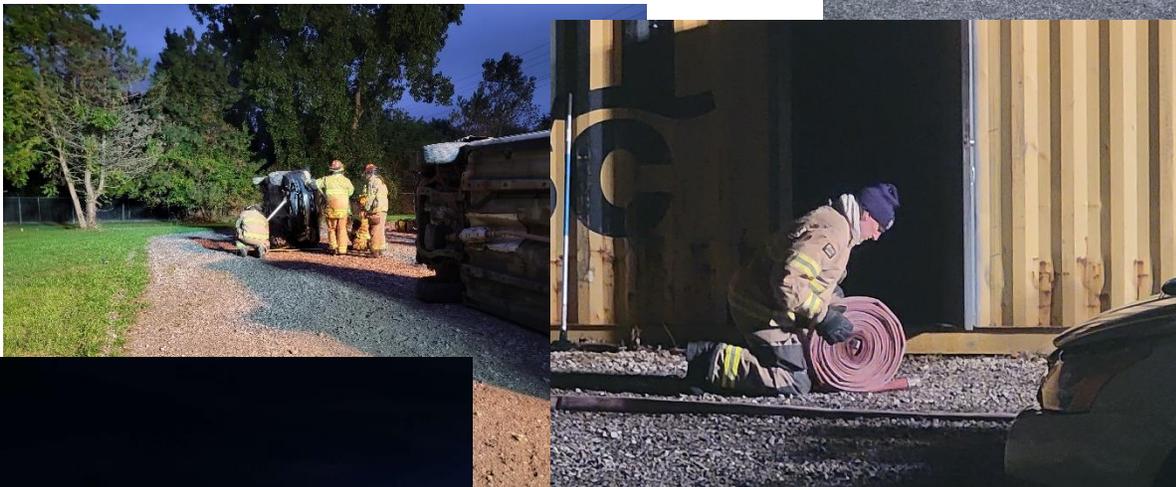
# South Lyon Fire Department 2022 Annual Report

## 2022 Training Statistics

- 2,610 hours of training completed.
- 1 Firefighter completed Farmington Hills Fire Academy
- 1 Firefighter completed Basic EMT
- 1 Firefighter completed Confined Space Rescue – Technician level.
- 3 Probationary Firefighters currently completing the SLFD On-the-Job (OJT) training process.
- 2 Fire Cadets completed Howell Public Schools Fire Academy
- 1 Fire Cadet currently completing the SLFD On-the-Job (OJT) training process.
- Multiple CPR courses taught to the public and South Lyon Police Department
- Annual OCMCA (Oakland County Medical Control Authority) Assessments with 100% compliance
- SLFD Firefighters completed an “interactions with special needs” population course.
- 180 lb. rescue dummy purchased for trainings involving rescue evolutions.
- Smoke generator purchased for producing safe smoke, zero visibility conditions in trainings.

## Gravel Pad Installation

South Lyon's DPW installed a gravel pad around the burn container. This prevents mud, the potential of apparatuses becoming stuck, as well as providing a clean and safe area for other trainings to occur outside the burn containers.



## South Lyon Fire Department 2022 Annual Report

### Thermal Imaging Camera

In 2022, the monies for a new thermal imaging camera (TIC) were budgeted. The department purchased a FLIR K53, truck mounted charging TIC and has already put it to use on several occasions. The new technology is significantly improved over the previous TIC. Below is an example of the TIC in use at one of our live fire burn trainings where without the camera, visibility conditions were zero, completely dark and black. Firefighters could not see their hand held in front of their face without the TIC. The TIC will assist firefighters in quickly locating victims in a structure fire as well as fires hidden in walls or other void spaces that could be easily missed.

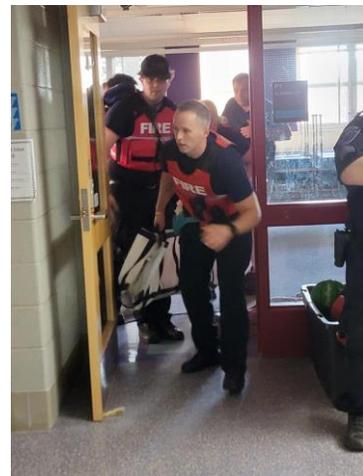


### Rescue Task Force Bags

Lieutenant Conrad worked to purchase the supplies for “rescue task force” bags to be placed on every SLFD fire apparatus. In the event there is ever any type of active shooter incident, these bags are smaller in size (compared to the standard EMS bag) and carry special equipment and supplies specific to “stop the bleed” type injuries. Studies have shown that rapid intervention teams



where firefighters are entering the “warm zone” with police officers is the most effective way to save lives in a shooting type incident. We pray that we never need to utilize these tools; however, SLFD and SLPD are prepared.



## Fire Prevention

Brad Moynihan was recently promoted to Fire Marshal. He has brought Fire Prevention in the SLFD from primarily a division that provides only inspections to a multifaceted Fire Prevention Division.

He performs plan reviews, code

inspections, suppression systems inspections, issuing of violations, follow-ups of violations to ensure they have been corrected, speaking with business owners, fire investigations, and taking the lead on fire department's fire prevention and public education program.

### Fire Marshal Moynihan's High Points for 2022

- Successfully completed Fire Inspector II course
- Successfully completed ICS 300 & 400
- Promoted to the rank of Fire Marshal
- Attended Metro Detroit Fire Inspector Society (MDFIS) meetings and trainings
- Attended Pumpkinfest meetings
- Put together Smoke Alarm program in compliance with State program requirements
- Created SLFD smoke detector loaner program
- Created digital forms for recording information to send to the State of Michigan
- Code research for various projects and violations throughout the year
- Food truck inspections for several community events
- Brought SLFD the electronic reporting system, IROL, which allows for fire prevention system private inspections to report results to the FD
- E23 IROL ordinance adopted



IROL InspectionReportsOnline.net  
Web-Based Inspection Report Management System

#### ONLINE REPORTING OF ITM REPORTS REQUIRED.

All fire protection system inspection reports and service records required by the International Fire Code, and adopted ordinances shall be electronically filed at [www.InspectionReportsOnline.net](http://www.InspectionReportsOnline.net)

Within 7-business days from completion of work, service providers & contractors shall submit all necessary reports to the South Lyon Fire Department through IROL using ID: MI 11462

Contact SLFD with questions 248-437-2616

Stickers placed on business fire alarm panels indicating the procedure on how private inspection companies need to electronically send their inspection reports to the SLFD.

Annual Inspections	Re-Inspections	Plan Reviews	Acceptance Tests	Public Education	Community Events	Fire Investigations
267	71	33	17	10	34	2

Smoke Alarm Installs	CO Alarm Installs	FOIA Requests	Complaint Investigation	Site Visits	Meetings	C of O Inspection
18	11	6	26	57	165	10

# South Lyon Fire Department 2022 Annual Report

## Public Education & Community Outreach Events

Being a part of and interacting within the community is of the utmost importance to the Fire Administration and firefighters. Lieutenant Wilson scheduled and coordinated Public Education & Community Outreach Events throughout 2022. Below is a list of the 2022 events SLFD attended.

- 3/14 Cub Scout Pack 38 station tour
- 4/11 SL Kiwanis stuffing Easter eggs
- 4/16 Kiwanis Club Easter egg hunt
- 5/26 Assist American Red Cross with a smoke detector blitz in South Lyon Woods
- 5/25 Lake Street Cruise in
- 5/30 Memorial Day parade
- 6/22 Salem-South Lyon Library touch a truck
- 6/22 Lake Street Cruise In
- 7/6 South Lyon City wide spray park
- 7/11 South Lyon Safety Town
- 7/20 South Lyon City wide spray park
- 7/26 ECC Kids summer camp
- 7/30 Lake Street Cruise-In Motorfest
- 8/24 Lake Street Cruise-In
- 8/26 Anita Cochran concert in the park



- 8/25 SLHS Varsity football standby
- 9/1 SLHS Varsity football standby
- 9/10 Witches Hat Depot Days
- 9/23 SLHS Varsity football standby
- 9/24 Pumpkinfest Downtown event coverage and parade
- 9/25 Pumpkinfest downtown event coverage
- 9/28 Lake Street Cruise-In
- 10/10 Bartlett School visit
- 10/11 Sayer School visit
- 10/14 SLHS Varsity football standby



## South Lyon Fire Department 2022 Annual Report

- 10/19 South Lyon Co-Op nursery school visit
- 10/20 South Lyon Co-Op nursery school visit
- 10/24 Bartlett Elementary 2<sup>nd</sup> grade visit
- 10/24 Girl Scout Troop station tour
- 10/27 Downtown Kids trick or treat
- 10/27 Sayre Elementary 2<sup>nd</sup> grade school visit
- 10/28 Sayer trunk or treat
- 10/30 Hope Church trunk or treat
- 10/31 Halloween – Candy hand out to children
- 11/5 Heinanen Christmas tree move
- 12/3 Cool Yule Parade
- \*\*\* May 7 – October 29 Farmers Market - Every Saturday
- \*\*\* October – Breast Cancer Awareness Month – Firefighters wore special t-shirts



## Smoke and Carbon Monoxide Installation Program

The State of Michigan has a program, "MI Prevention Smoke Alarms". The program is designed for Fire Departments to provide Fire Departments' smoke and carbon monoxide detectors at no cost from the state. The Fire Departments then install the alarms in the community they serve.

Currently, the SLFD has been installing smoke and carbon monoxide alarms at no charge for the residents of South Lyon. The residents simply need to contact the Fire Department and leave their contact information. When the department has the alarms in stock, they will contact the resident and set up a time for firefighters to come and install them in their home.

The state permits the department to install up to six smoke alarms and one carbon monoxide detector per residence.



The SLFD will continue this program as long as alarms are accessible from the State of Michigan.



**For City of South Lyon residents who would like to request smoke alarm(s) and/or a carbon monoxide detector installation from the Fire Department, call 248-437-1735.**

## Fire Station Floors

The fire station floors were in dire need of repairs, patching, and resurfacing. One of the floor drains was too small and needed to be replaced with a larger commercial drain to prevent overflowing/flooding. The projects were both budgeted for and completed in 2022.

### **BEFORE:**



---

### **AFTER:**



# South Lyon Fire Department 2022 Annual Report

## New Ladder Truck

South Lyon Fire Department was scheduled to receive our new ladder truck delivered and in-service around mid-December of 2022. In mid-October, Smeal brought Captain Armstrong, Deputy Fire Chief Weir, and Chief Thorington out to Nebraska for a final inspection and to go over the truck with a fine-tooth comb. There were some minor issues noted and Smeal made the changes to the truck immediately while it was still in the factory. There were some unforeseen delays, so the delivery now appears it will be closer to the end of February to early March. It is truly an amazingly nice truck. We look forward to getting it in service soon!



## Firefighter of the Year



### **Eleanor Shipley**

Annually, the South Lyon Fire Officers collectively discuss and select the Firefighter of the Year. For 2022, the decision was easy. Eleanor Shipley is everything you could ever want from an employee. She is reliable, extremely hardworking, professional, and always shows up with a positive attitude. Eleanor joined the department as a fire cadet in December of 2019. February of 2021, she completed all her required state certifications and the South Lyon Fire Department on-the-job training (OJT) requirements. She was immediately promoted to the rank of firefighter. Shortly after, she demonstrated proficiency in driving and operating a fire engine and was

promoted to Fire Engineer. She has not only excelled at being a firefighter and EMT, but she also takes on extra responsibilities whenever the opportunity arises. She has worked closely with Sergeant Hoak to update and revise the on-the-job (OJT) training procedures for new hires. Eleanor is truly deserving to be the 2022 Firefighter of the Year.



2022 Awards & Recognition Summary



**Awards**

- Eleanor Shipley: Firefighter of the Year
- Tim McGillen: 2022 Highest Incident Response
- Cindy Conrad, Brittany Hoak, Dominic Soave, Jon Soave, Alexander Good, Jeff Noechel, & Alexander Grandy: for their response and actions on incident #22-0000898, November 4, 2022, which resulted in rapid extinguishment of a residential structure fire.
- Mike Weir & Cory Armstrong: Appreciation for their time, dedication, and meticulous attention to detail in the design of new Ladder 7-1

**Accomplishments**

- Alex Grandy: successful completion of Fire Academy which included multiple state and federal certifications
- Brad Moynihan: successful completion & certification of NFPA Fire Inspector II



## 2023 Goals

- Continue to provide the highest levels of fire prevention, fire suppression, EMS, and rescue services possible
- Remain progressive and adaptive to the needs of the community
- Work closely with other South Lyon city departments to ensure the highest level of continuity of services
- Continue working closely with neighboring fire departments to further promote mutually advantageous relationships
- Accept delivery of the new Ladder Truck!
- Train SLFD firefighters on the new ladder truck to become proficient with its operations
- Verisk insurance underwriters will visit SLFD to review and update the department's current ISO rating of 3
- Continue to work with the First Responder Memorial committee to raise funds and complete construction of the memorial
- Increase the department's presence within the community
- Continue to install smoke and carbon monoxide alarms at no charge for the residents of South Lyon
- Resume the annual Fire Department Open House - which took a few years pause due to COVID
- Implement software to better maintain and preserve more accurate records
- Continue to train, mentor, and provide SLFD firefighters with the tools they need for success
- Continue to foster and build a culture within the SLFD where it is positive, productive, and employees look forward to coming to work

