

# Munson Fire Department



2024 ANNUAL REPORT

&

RUN STATISTICS



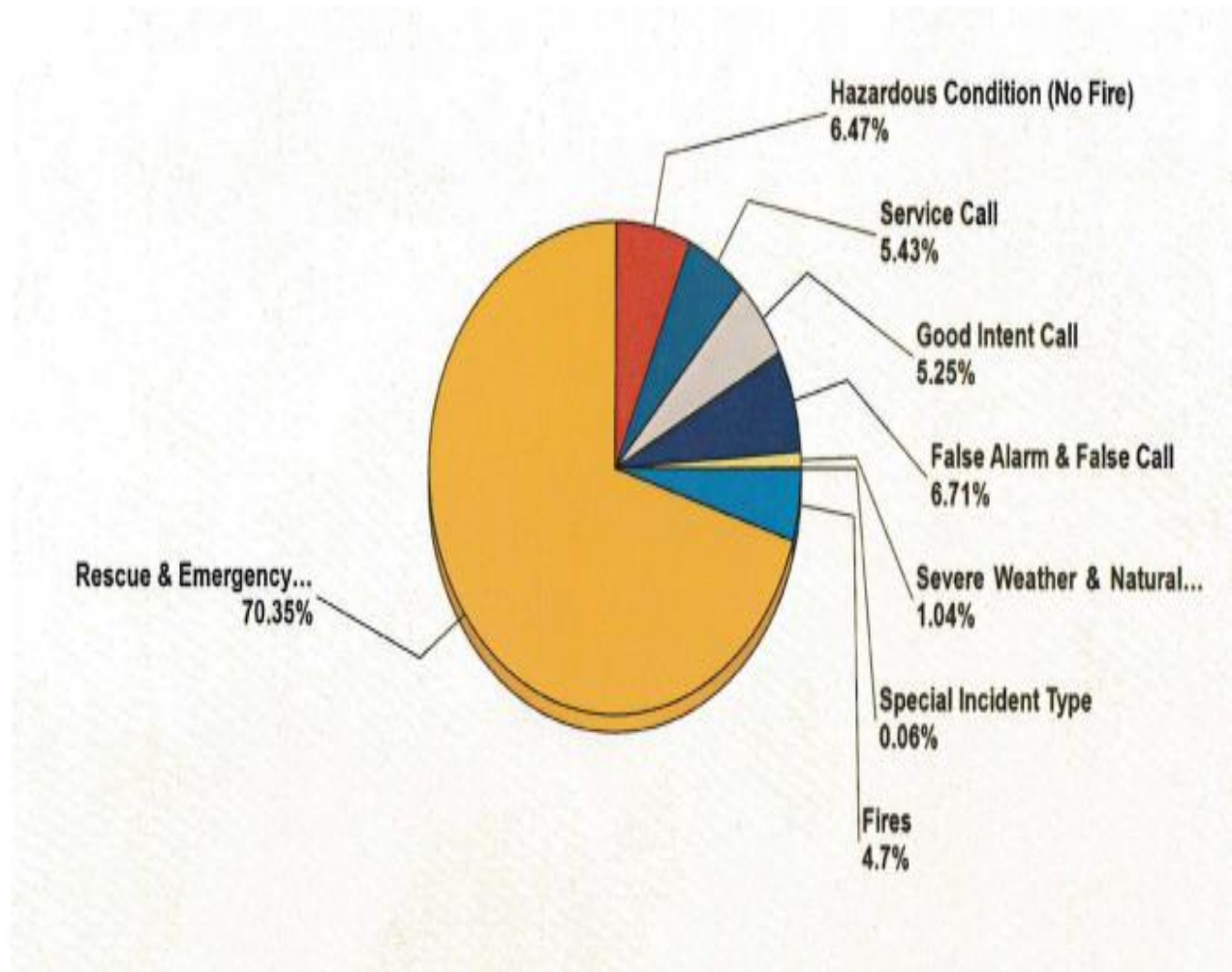
The Munson Fire Department was started as a volunteer fire service in 1952. In the seventy-two years since then, it has grown into a department currently consisting of 24 Members in both Full and Part time roles.

Under the current service delivery model, the 24 Members consist of the Fire Chief, fifteen full-time personnel, seven part-time personnel, and one administrative position.

These employees complement each other by working three-tier platoon shifts. Each shift worked is twenty-four hours, with forty-eight hours off between shifts to allow for rest and a comfortable family lifestyle.

**The mission of the Munson Fire Department is to provide up-to-date, compassionate exemplary emergency, fire, and public assistance services to our community with unwavering commitment to continued education and respect for the profession and those we serve.**

## 2024 Munson Fire Department Responses



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	77	4.7%
Rescue & Emergency Medical Service	1153	70.35%
Hazardous Condition (No Fire)	106	6.47%
Service Call	89	5.43%
Good Intent Call	86	5.25%
False Alarm & False Call	110	6.71%
Severe Weather & Natural Disaster	17	1.04%
Special Incident Type	1	0.06%
<b>TOTAL</b>	<b>1639</b>	<b>100%</b>

## 2024 Munson Fire Department Responses Summary

Response Type	2024	2023
<b>Automatic Aid Responses Received</b> The number of times when Munson Fire <b>received</b> incident assistance for a structural fire <b>from</b> a neighboring Fire Department.	54 (3.3%) <ul style="list-style-type: none"> <li>3 of these 54 incidents were confirmed fires in a structure.</li> <li>2 of these 54 incidents were confirmed vehicle fires near a structure.</li> </ul>	43 (2.7%) <ul style="list-style-type: none"> <li>3 of these 43 incidents were confirmed fires in a structure.</li> <li>2 of these 43 incidents were confirmed vehicle fires near a structure.</li> </ul>
<b>Automatic Aid Responses Given</b> The number of times when Munson Fire <b>provided</b> incident assistance for a structural fire <b>to</b> a neighboring Fire Department.	127 (7.7%) <ul style="list-style-type: none"> <li>25 of the 127 aid responses were confirmed fires or fires in a structure (19.7%).</li> </ul>	116 (7.2%) <ul style="list-style-type: none"> <li>37 of the 116 aid responses were confirmed fires or fires in a structure (32%).</li> </ul>
<b>Mutual Aid Responses Received</b> The number of times when Munson Fire <b>received</b> EMS or Fire assistance <b>from</b> a neighboring Fire Department.	27 (1.64% of Total Incidents)	24 (1.5% of Total Incidents)
<b>Mutual Aid Responses Given</b> The number of times when Munson Fire <b>provided</b> EMS or Fire assistance <b>to</b> a neighboring Fire Department.	27 (1.64% of Total Incidents)	80 (4.9% of Total Incidents)
<b>Overlapping Calls</b> The number of times when Munson Fire was called to multiple incidents at one time.	318 (19.4%)	395 (19%)

## 2024 Munson Fire Department Notable Incident Responses

2024 was a challenging year for the Munson Fire Department in terms of incident responses. From damaging storms, commercial and residential structure fires, to motor vehicle accidents, each incident provided its own set of unique challenges. As expected though, all Members of the Department rose to the occasion as each challenging incident presented itself-providing exemplary compassionate care for all those that were served.

The following are some examples of the incidents and responses that occurred in 2024:

- On July 6th at 6:41 PM, Munson Fire Department was dispatched to the scene of an incident where a vehicle had crashed into a commercial building. The commercial building and the vehicle were both actively on fire and were ultimately a total loss. Unfortunately, this incident also had one fatality with another individual critically injured.

- On the afternoon of August 6<sup>th</sup> at approximately 4:30 PM, multiple communities including Munson Township experienced widespread damage from an F4 tornado. This incident placed significant stress on the Geauga County 911 System. The resulting damage caused by the storm led to power outages across Munson Township and more than half of Geauga County. As a result of this storm more than a dozen homes required extensive repairs. Fortunately, there were no injuries reported in Munson Township related to the storm.
- On Sept 16th, Munson Fire Department was notified of a residential structure fire on Auburn Road. During the response and suppression efforts it was discovered the resident had succumbed to injuries resulting from the fire. This was the first fatal fire in Munson Township in more than twenty-four years. We sincerely hope that it will be another twenty plus years before we experience another.

Drawing from the Department's mission stated above; proactive fire prevention, quick response times, use of automatic mutual aid, state of the art equipment and support from our community empower the Munson Fire Department to protect the public in a world class manner.





## 2024 Munson Fire Department Detailed Breakdown by Incident Type

Detailed Breakdown by Incident Type		
INCIDENT TYPE	# INCIDENTS	% of TOTAL
111 - Building fire	42	2.56%
114 - Chimney or flue fire, confined to chimney or flue	8	0.49%
121 - Fire in mobile home used as fixed residence	1	0.06%
122 - Fire in motor home, camper, recreational vehicle	1	0.06%
131 - Passenger vehicle fire	4	0.24%
132 - Road freight or transport vehicle fire	1	0.06%
137 - Camper or recreational vehicle (RV) fire	2	0.12%
138 - Off-road vehicle or heavy equipment fire	1	0.06%
140 - Natural vegetation fire, other	2	0.12%
141 - Forest, woods or wildland fire	4	0.24%
142 - Brush or brush-and-grass mixture fire	8	0.49%
153 - Construction or demolition landfill fire	1	0.06%
154 - Dumpster or other outside trash receptacle fire	1	0.06%
162 - Outside equipment fire	1	0.06%
300 - Rescue, EMS incident, other	1	0.06%
320 - Emergency medical service, other	1	0.06%
321 - EMS call, excluding vehicle accident with injury	1064	64.92%
322 - Motor vehicle accident with injuries	37	2.26%
323 - Motor vehicle/pedestrian accident (MV Ped)	9	0.55%
324 - Motor vehicle accident with no injuries.	32	1.95%
340 - Search for lost person, other	2	0.12%
341 - Search for person on land	1	0.06%
352 - Extrication of victim(s) from vehicle	3	0.18%
361 - Swimming/recreational water areas rescue	2	0.12%
365 - Watercraft rescue	1	0.06%
400 - Hazardous condition, other	1	0.06%
412 - Gas leak (natural gas or LPG)	19	1.18%
413 - Oil or other combustible liquid spill	2	0.12%
421 - Chemical hazard (no spill or leak)	1	0.06%
422 - Chemical spill or leak	1	0.06%
424 - Carbon monoxide incident	1	0.06%
440 - Electrical wiring/equipment problem, other	1	0.06%
442 - Overheated motor	4	0.24%
443 - Breakdown of light ballast	1	0.06%
444 - Power line down	67	4.09%
445 - Arcing, shorted electrical equipment	5	0.31%
460 - Accident, potential accident, other	3	0.18%
500 - Service Call, other	1	0.06%
510 - Person in distress, other	1	0.06%
511 - Lock-out	5	0.31%
522 - Water or steam leak	1	0.06%
531 - Smoke or odor removal	17	1.04%
542 - Animal rescue	1	0.06%
551 - Assist police or other governmental agency	5	0.31%
552 - Police matter	1	0.06%
553 - Public service	4	0.24%
554 - Assist invalid	48	2.93%
561 - Unauthorized burning	5	0.31%
611 - Dispatched & cancelled en route	57	3.48%
622 - No incident found on arrival at dispatch address	17	1.04%
631 - Authorized controlled burning	3	0.18%
651 - Smoke scare, odor of smoke	9	0.55%
700 - False alarm or false call, other	3	0.18%
711 - Municipal alarm system, malicious false alarm	1	0.06%
733 - Smoke detector activation due to malfunction	2	0.12%

Detailed Breakdown by Incident Type		
INCIDENT TYPE	# INCIDENTS	% of TOTAL
735 - Alarm system sounded due to malfunction	1	0.06%
740 - Unintentional transmission of alarm, other	4	0.24%
743 - Smoke detector activation, no fire - unintentional	4	0.24%
745 - Alarm system activation, no fire - unintentional	87	5.31%
746 - Carbon monoxide detector activation, no CO	8	0.49%
800 - Severe weather or natural disaster, other	15	0.92%
812 - Flood assessment	1	0.06%
813 - Wind storm, tornado/hurricane assessment	1	0.06%
900 - Special type of incident, other	1	0.06%
<b>TOTAL INCIDENTS:</b>	<b>1639</b>	<b>100%</b>

## **2024 Total Motor Vehicle Accidents (MVA's) in Munson Township**



### **78 Total MVA's**

- 37 With injury, requiring medical evaluation and transport
- 41 Non injury, requiring medical evaluation and not transported
- 3 MVA's Requiring Vehicle Extrication and Disentanglement

## 2024 Munson EMS Response by Category or type of Emergency

### Runs by dispatch (EMD) Code

Description	Count	%
01A01 Abdominal pain	18	1.5%
02BO1 Allergic Reaction (Minor or Severe)	8	0.7%
03BO3 Animal Bite ( minor/Serious)	1	0.1%
04BO3 Assault	4	0.3%
05A01 Back pain	16	1.3%
06CO1 Respiratory Distress	84	7.1%
09EO1 Heart Attack	5	0.4%
10CO1 Chest Pain	59	5.0%
11DOO Choking	2	0.2%
12BO1 Convulsions / Seizure	2	0.2%
13CO1 Diabetic Issue	10	0.8%
16A02 Eye Injury	1	0.1%
17BO3 Fall	216	18.2%
17DO4 Fall Injury	4	0.3%
17DO4J Fall / NON-Injury	1	0.1%
18BO1 Headache	3	0.3%
19CO3 Heart Problem / Not chest pain	2	0.2%
20BO2 Heat / cold Exposure	2	0.2%
21BO1 Hemorrhage	8	0.7%
23BO1 Overdose	3	0.3%
24BO2 Pregnancy	2	0.2%
25AO1V Behavior / Psyc – General	1	0.1%
25AO2 Suicidal Person / Attempt	1	0.1%
26BO1 Sick Person	10	0.8%
27BO0 GSW	1	0.1%
27BO4 Stabbing / Injured Person / Industrial Accident	10	0.8%
28C11 Stroke	19	1.6%
29BO1 Traffic Crash – I	120	10.1%
29D01 Traffic Crash -F	1	0.1%
29D01E MVC Involving Motorcycle	1	0.1%
30BO1 Laceration	2	0.2%
31COO Unconscious / Fainting	2	0.2%
32BO2 UNK Prob / Medical Alert	14	1.2%
32BO3 Medical	466	39.2%
52C00C CO Alarm	1	0.1%
53AO2 Citizen Assist	2	0.2%
53BO4 Invalid Assist	28	2.4%
53BO5 Welfare Check	3	0.3%
65BOO Agency Assist	53	4.5%
69DOO Structure Fire	2	0.2%
<b>Total</b>	<b>1188</b>	<b>100.0%</b>



## 2024 Munson Fire Department EMS Billing Revenue

<b>2024</b>	<b>2023</b>
<ul style="list-style-type: none"> <li>• 1153 EMS Incidents</li> <li>• 1188 Patients evaluated</li> <li>• 932 Medical Transports</li> <li>• <u>Average collection per transport: \$406.44</u></li> </ul>	<ul style="list-style-type: none"> <li>• 1134 EMS Incidents</li> <li>• 1195 Patients evaluated</li> <li>• 951 Medical Transports</li> <li>• <u>Average collection per transport: \$354.48</u></li> </ul>



## 2024 Breakdown of Transports to Area Medical Facilities

<b>2024</b>	<b>2023</b>
818 Transports (88%) went to University Hospitals Geauga Medical Center.	818 Transports (86%) went to University Hospitals Geauga Medical Center.
108 Transports (12%) went to Cleveland Clinic Hillcrest.	124 Transports (13%) went to Cleveland Clinic Hillcrest.
4 Transports (0.4%) were transported to University Hospitals Tripoint.	9 Transports (1%) were transported to University Hospitals Tripoint.
2 Transports (0.2%) were transported to UH Ahuja and CCF Mentor	

## **2024 Munson Fire Department Training Highlights**

### **Community Babysitter Courses**

In 2024, the Munson Fire Department held its first ever Community Babysitter courses. These courses covered basic First Aid, CPR, and Stop the Bleed skills. The course was FREE to all who attended through gracious community donations and help from UH Hospitals EMS Institute and the Geauga County Sheriff's Office. Attendees also received a First Aid kit, Pocket mask, and lifesaving education that will last a lifetime!

Due to the success of these courses, two more will be offered in 2025 on May 10th and May 25th. Reservations are already being accepted.

A special "Thanks" goes out to Munson Township for allowing the 2025 classes to be held in the Township Community Room--allowing for more students. Thank you!

### **Citizens Fire Academies**

Also in 2024, Munson Fire Department held its first ever Citizen's Fire Academies. This included both junior and adult classes.

The Adult classes exposed participants to behind-the-scenes department operations, such as staffing, funding, rescue squads, fire prevention and inspection, search and rescue, thermal imagers and dispatching. Additionally, participants learned stop-the-bleed protocols, how to handle a fire extinguisher and received CPR training and certification.

The Junior Academy was a one-day course that touched on a variety of firefighting and EMS skills; including CPR, bleeding control, patient assessment, use of ladders, forcible entry, trucks, and tanker use and ladder climbing. Additionally, participants took part in live fire extinguisher training and learned about nozzle types and their uses, as well as vehicle extrication.

The Citizens Fire Academies (Adult and Junior Levels) will be held again in 2025. The Adult Academy will start on April 3rd, with the Junior Academy to be scheduled in the Summertime.

### **Fire and EMS Training**

Munson Fire Department is proud to announce that throughout the course of 2024, a total of 3279 hours of in-house and professional development training was completed. These hours consisted of 2,649 hours of fire training, 586 hours of Emergency Medical Services Training and 44 hours of Live Fire Training.

### **Joint Department Trainings**

Munson Fire Department hosted the UH Hospitals EMS Institute Basic EMS class. Participants were able to get hands on training with assistance from the Department's on-duty shift. UH Instructors also utilized the Fire Station's training room for the remainder of the training so that students could complete their training under one roof.

## Cleveland Hatzalah EMS Training

Munson Fire Department was also proud to be the official host for the Cleveland Hatzalah EMT Basic class as a ride site. Hatzalah is an orthodox Jewish community EMS resource. EMTs must complete a lengthy “Field time” internship prior to completing their EMS training. Munson Fire was happy to assist with this endeavor. For more information please visit: [www.hatzalahcleveland.org](http://www.hatzalahcleveland.org)



## 2024 Munson Fire Department Member Advancement Highlights

Munson Fire Department is proud of the Members-Full-Time and Part-Time, that stepped up and proactively advanced their skill sets in 2024 for both themselves and the Community.

**Doug Riedel FPO** attended the 2024 FDIC International Instructor Conference.

**Doug Riedel FPO** Also completed the EVOC (Emergency Vehicle Operator Course) Instructor.

**Full-Time Firefighter Paramedic Joe Wilkinson** Completed his Fire service Level 1 and 2 instructor classes.

**Part-Time Firefighter Paramedic Mathew D'Aurelio** Completed his Fire service level 1 and 2 instructor classes.



## **2024 Munson Fire Department Fire Prevention Bureau**

The Munson Fire Department Fire Prevention Bureau is headed by Douglas Riedel, CFI, and supported by Chief Mike Vatty. The Bureau is further assisted by the three Battalion Chiefs for company inspections.

In 2024, Munson Township experienced the most growth prior to Covid with two new commercial businesses and eight residential dwellings.

The Bureau dedicated 580 hours in 2024 to fire prevention activities. These hours were divided among inspections, phone calls and meetings with various architects, builders, engineers, and owners to complete the mission.

Munson Township is proud to be the home of 90 commercial dwellings that house 160 businesses.

These include an array of occupancies, including three nursing homes/assisted living facilities, three educational facilities, several medical office buildings, some manufacturing, and the Geauga County Safety Center/Jail.

The Munson Fire Department Fire Prevention Bureau conducted the following fire/life safety inspections during the 2024 calendar year:

<b>Activity</b>	<b>Activity Count</b>
First fire inspections	118
Second fire inspections	46
Third fire inspections	14
Kitchen fire hood suppression testing	35
Fire alarm drills	5
Fire sprinkler testing	24
Lock down drills	2
Home adoption inspections	2
Burn permits issued	173
Fire extinguisher training	9 classes with 91 total Attendees
Residential Knox box installations	8
Commercial Knox box installations	4

The Fire Prevention Bureau strives for 100% compliance in the commercial buildings that are protected in the Township. The Bureau's main function is to enforce the applicable fire codes that are in place to prevent harm and reduce the severity of fires in public places within Munson Township. The two codes enforced are the current Ohio Fire Code and the Ohio Basic Building Code.

The Fire Prevention Bureau serves as a witness to most kitchen hood suppression tests, fire alarm tests, and fire sprinkler tests conducted by third party technicians. Some of these tests are performed yearly, semi-annually, and quarterly, depending on the occupancy of the building.

A significant community improvement of note for 2024 were the renovations to the Notre Dame Educational Center. These renovations included the installation of a dry standpipe system that has greatly enhanced the safety of this four-story building.

In 2024, Doug Riedel participated in the following Fire Prevention/Inspection Activities:

- 20 hours of continuing education for fire prevention code updates.
- Completion of 7 programs offered by the Northern Ohio Fire Prevention Association.
- 6 Geauga County Fire Investigation Meetings.
- Attended 7 Fire Investigation call outs.



## **PUBLIC EDUCATION**

The Munson Fire Prevention Bureau, along with fire department personnel are responsible for providing fire prevention and life safety education programs to the residents and businesses of Munson Township.

Services and Programs conducted by the Bureau in 2024 included: Residential and Commercial Knox Box Program, CPR training, Vial of Life program, smoke detector program in partnership with The Red Cross, carbon monoxide detector program, and fire safety classes at the elementary schools.

As noted above, 2024 was the first year that the Munson Fire Department conducted two community babysitter courses. Feedback from these courses was very positive, leading to two new courses being scheduled in 2025. The dates of the 2025 classes are May 10<sup>th</sup> and May 25<sup>th</sup>. Reservations are already being accepted.

Also, the very successful Citizens Fire Academies (Adult and Junior Levels) will be held again in 2025. The Adult Academy will start on April 3<sup>rd</sup>, with the Junior Academy to be scheduled in the Summertime.

Additional community services and activities conducted by the Fire Prevention Bureau in 2024 included: Munson Township Community Days, Township Flea Market, Munson Fishing Derby, Fire Department Halloween Drive Thru, Fire Department Holiday Drive Thru, truck or treat parties, and block parties.



## **2024 Munson Fire Department Equipment and Operational Review**

### **Current Apparatus Fleet**

<b>Vehicle Number</b>	<b>Description</b>	<b>Year of Expected Replacement</b>
4022	2015 Sutphen Pumper, 1,000 gallons of water, 1500 GPM Pump	2035
4033	2022 Midwest Freightliner Tanker, 2,000 gallons of water, 1500 GPM pump	2042
4044	2016 Sutphen 70" Aerial, 500 gallons of water, 1500 GPM pump	2036
4054	2019 AEV Freightliner Medium Duty Rescue	2027
4056	2021 AEV Freightliner Medium Duty Rescue	2029
4082	2021 GM 2500 Utility Pick Up	2031
4088	2025 Chevrolet Tahoe Utility (Purchased 1/9/2025)	2035

### **In 2024 the following vehicles were sold and removed from the apparatus fleet:**

- 2011 Chevrolet Tahoe Utility (Replaced by 2025 Chevrolet Tahoe Utility purchased 1/9/2025)
- 2010 F 250 4x4 Utility Pick Up (No replacement vehicle to apparatus fleet will be made)

### **Pump Test and Ladder Tests**

Annual ladder testing was performed by "The Aerial Guy" from Akron, Ohio. All Munson Fire Department ladders were tested to NFPA 1901 standards and passed. The fire pumps were tested to NFPA 1901 Standards by "D and T Fire Services", they also passed without issues. All of the Department's ladders and pumps are covered under preventive vehicle maintenance programs. These programs ensure that costly repairs and replacement expenses are minimized.



### **Major Vehicle Repairs Performed**

During 2024, Vehicle 4022 (2015 Sutphen Pumper) required a comprehensive alignment and adjustments to the front-end steering components. Newbury Tire was assigned the work order and was able to place the vehicle on a computerized rack and realign the front end to factory alignment specifications. They found the front end to be 1.5" out of alignment, causing extensive wear on the front-end components and tires. This condition was a significant safety issue as it caused the vehicle to steer towards the road shoulder. Total cost for this repair was \$4,000. 4022 also required a new radiator after several radiator leaks were discovered during the warm summer months. The cost of replacement and installation was more than \$6,000.

During preventative maintenance it was discovered that Vehicle 4033 (2022 Midwest Freightliner Tanker) required rear brakes shoes. As this vehicle was from 2022 and only had 5,000 miles, further research was performed on the brake wear. Completed research showed that this vehicle should have been equipped with an engine braking system at the time it was manufactured. With ARPA funding allocated by Munson Township through the Munson Trustees, an engine brake was purchased for \$13,613. The engine braking system was added by Cummings, and the addition does not void or exclude any warranties.

## Vehicle Replacement

As it relates to vehicle replacement, the next one on the schedule is Vehicle 4054 in 2027. This is an AEV Freightliner medium-duty rescue squad. This squad was purchased in 2019 and currently has 48,000 miles. This vehicle responded to 715 incidents and transported 531 patients in 2024. The current replacement cost of this medium duty vehicle is roughly \$375,000 to \$400,000. Funding for past rescue vehicles was achieved by using Munson EMS collections with a five-to-seven-year lease to purchase program. The Department is proactively reviewing all options with respect to 4054, including the possibility of refurbishment and chassis replacement to possibly extend the replacement of this vehicle beyond 2027.



## Ohio Department of EMS Grant

The Munson Fire Department was awarded \$3,583.58 from the Ohio Department of Public Safety, Division of EMS (ODPS EMS). This grant is funded by the State of Ohio with funds generated from seat belt tickets written across the state and disbursed to EMS agencies. The items purchased with this money included a spinal immobilization vacuum mattress and reeves stretcher.



## 2024 Capital Improvements



Capital improvements in 2024 included the purchase of two, Life Pak 35 cardiac monitors. These state-of-the-art monitors were the first Life Pak 35s placed in service in Northeast Ohio. They were purchased with the assistance of a FEMA U.S. Fire Administration Grant for \$95,238 along with ARPA Funding allocated by Munson Township through the Munson Trustees in the amount of \$26,364. The total price was \$121,602.

Additional ARPA Funds allocated by Munson Township through the Munson Trustees were used to purchase two new Lucas Chest Compression devices (\$28,057) as well as a complete replacement of attack hose totaling 4,200 feet. The existing hose inventory was dated and showed signs of severe wear, delamination, and failure during annual hose testing. The hose replacement, along with the replacement of several nozzles allowed for a standardized outfitting on all the rescue trucks.



The Department was also awarded a \$40,000 grant from the Ohio Bureau of Workers Compensation Safety Initiative. These funds were used to purchase a Push/Ram Extension, Blitz Fire Attack nozzles, a hose storage rack, a hose drying rack and a battery-operated large diameter hose roller. These devices have all been received and will keep our members safer and prevent future injuries. The purchase price of this equipment was also supplemented by ARPA Funds allocated by Munson Township through the Munson Trustees (\$5,811).

### **2025 Capital Improvements**

Capital improvement expenditures for 2025 year include the finishing touches on 4088 (2025 Chevrolet Tahoe Utility), the fire department utility / fire prevention vehicle. This includes the outfitting of emergency lighting and the installation of communications components.



In addition, to preserve the life expectancy of Vehicle 4022 (2015 Sutphen Pumper) there is some mild corrosion on the pump panel, side fender flares and the rear end of the vehicle that will be addressed. Harsh weather has taken its toll and there is need for some touch up paint and new decals. These repairs will ensure the life expectancy of this vehicle for another ten years (2035).

