

Munson Fire Department



2021

ANNUAL REPORT



The Munson Fire Department has grown from a volunteer fire service in 1952, to a combination full-time and part-time department of 27 members. 2021 was a monumental year. The Munson Fire Department was able to change its staffing model from nine full time personnel to the hiring of an additional three members making the full-time ranks twelve strong. No other department other than Bainbridge Fire Department, in Geauga County can say they have been able to accomplish this. Today, Munson Fire Department provides a variety of emergency and non-emergency services utilizing state of the art equipment through technological advancement. Services include fire suppression, paramedic level emergency medical services, hazardous materials response and incident mitigation, technical rescue, fire investigation, fire prevention, and public education, as well as the residential smoke detector and residential lock box program.

Throughout the history of the Fire Service, the statistics and responsibilities have and continue to evolve, yet one thing remains the same; the men and women of the Munson Fire Department are committed to providing the highest level of service possible.

The mission of the Munson Fire Department is to protect life and property within the limits of Munson Township, by providing fire, emergency medical services, and public assistance. To operate a safe, well organized, managed structure which shall treat all members fairly, and with the highest respect for serving the community.

2021Responses

Automatic Aid Responses Received by Munson Fire Department - 28 times in 2021, 2.6 % of Total incidents, of which 3 incidents were confirmed fires in a structure, 1 % of total automatic aid responses Munson received were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department – 73 times in 2021, 5.3 % of Total Incidents, Mutual Aid and Automatic Aid of which Munson Fire responded to, 37 were confirmed fires or fires in a structure, 50 % of the total Automatic Aid responses given.

Mutual Aid Responses Received by Munson Fire Department – 32 times, 2.2 % of Total Incidents.

Mutual Aid Responses Given by Munson Fire Department Fire Department - 70 times in 2021, 5 % of Total Incidents.

2021 EMS Calls Break Down By Category

2020 Responses

Call Break Down By Incident Type

Automatic Aid Responses Received by Munson Fire Department - 33 times in 2020, 2.8 % of Total incidents, of which 5 incidents were confirmed fires in a structure, 15% of total automatic aid responses were confirmed fires.

Automatic Aid Responses Given by Munson Fire Department – 62 times in 2020, 5.26 % of Total Incidents, of which Munson fire responded to 15 were confirmed fires or fires in a structure, 24 % of Automatic Aid responses given.

Mutual Aid Responses Received by Munson Fire Department – 20 times, 1.7 % of Total Incidents, 15 were for Medical Incidents 6 of which were MVA's.

Mutual Aid Responses Given by Munson Fire Department Fire Department - 60 times, 5.09 % of Total Incidents, 37 for Medical Incidents, of which 16 of those were MVA's and 11 responses for confirmed fires.

Total MVA's in Munson Township - 76 Incidents

With injury, 40 requiring transport

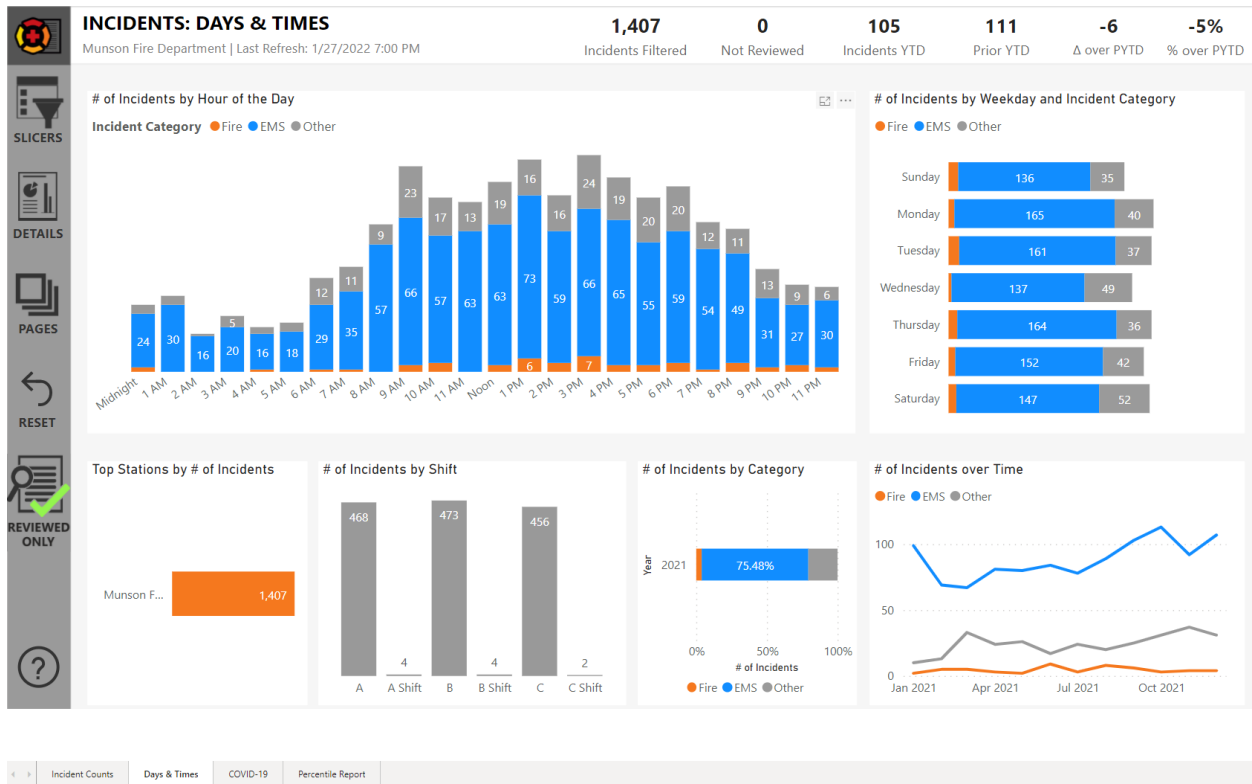
Non injury, 33 no transport required

MVA's Requiring Extrication and Disentanglement 3

2021 Overlapping Calls 231, causing a 17% of overlapping calls in 2021

2020 Overlapping Calls 251, causing a 21.29 % of overlapping calls in 2020

Emergency Runs Statistics by Day of Week and Time of Day



EMS Billing Revenue

2021 Transports 886

90 % of the Transports were to University Hospitals Geauga

9 % of the transports were to Cleveland Clinic Hillcrest

1 % were transported to Lake Health Tripoint or other facilities.

Collection on average of \$ 322.30 per transport. Total collected \$ 285,557.92



This represents an increase of 17 % from 2021 collected EMS Billing revenue.

2020 Transports 675



91 % of the transports to University Hospitals Geauga

8 % Transported to Cleveland Clinic Hillcrest

2 % were transported to Lake Health Tripoint or other facilities.

Collection on average of \$ 332.04 per transport. Total collected

\$ 242,765.38

This represents an Increase of 3.48 % from 2019 collected EMS billing revenue.

2021 Training Highlights



Munson Fire Department like others, continue to face the challenges the Pandemic throw at us with COVID-19. Despite these challenges we strive to maintain the highest level of professionalism and dedication to training.

Munson Fire again was able to host a Live Fire training burn to members of the Fire Department and surrounding Fire Departments within the community. This was made possible with the help of the Ohio Fire Academy.

Munson Fire Departments very own **Firefighter David Dureiko** hosted a Fire Conference in Kent, Ohio. This was a multi-day conference consisting of multiple hands-on classes and lecturers bringing topics to attendees from several leadership roles within this State and others. Throughout this five-day conference 150 Firefighters and learned topics such as: “Burn Treatment” Doctor Don Spaner, UH Hospitals. “Building a tradition of passion” Marc Aloan, from the Fire inside. “The Fire First Culture” Chief Scott Thompson, from the Colony Fire Department, and many more. Munson Fire Department thanks for the extremely hard work David dedicated to this conference and raising the bar in the Fire Service.



Munson Fire Department Training Highlights



Through donations, members of the Fire Department got to practice modern techniques involved with vehicle extrication and stabilization. This is a critical procedure that must be exercised in a time sensitive matter. This involves cutting, spreading and carefully extricating patients from an entrapped motor vehicle.



Amazing Achievement

Munson Fire Department is proud to announce that throughout the 2021 year we conducted a total of **3915.4** Training hours. This is an outstanding achievement considering training is performed primarily during shifts and around emergencies. Munson Fire Department holds a high standard for training and this number proves the dedicated level strive to keep. This allows Munson fire Department to maintain professional standards to the highest degree for the community.

Joint Department Trainings

Munson Fire Department participated in several joint Department training events. This again remains a learning curve with the regulations implemented for COVID-19. We understand joint trainings are an extremely important aspect in the Fire service and we continue to make the appropriate changes to reflect it.



Members of Munson Fire Department with Chardon Fire Department and Hambden Fire Department participated in joint building familiarization training at the Geauga County Court House. Crews got a chance to see the City of Chardon from the clock tower. This was a unique chance to explore an important historic building within the county.

Munson Fire Department, also with Chardon Fire Department, held building familiarizations at the Waste Water treatment plant for the City of Chardon and

University Hospitals Geauga Medical Center. This again gave crews an advantage in the horrible chance of an emergency within them.

Firefighter David Dureiko attended a Fire Conference in Pensacola Beach, Florida hosted by **County Fire Tactics**, titled **Command Officer Boot Camp**. This week-long course focuses on someone who wants to increase their personal and professional motivation while creating an opportunity to elevate their career.



Advancement within the Munson Fire Department

Munson Fire Department is proud of the Members, Full-Time and Part-Time, who stepped up and bettered themselves for themselves and the Community.



Munson Fire Department is extremely proud to announce the advancement in EMS Certification of two Part time members from Basic-EMT to Paramedic. This is an amazing accomplishment for these two. We are excited to welcome the additional two Paramedics to the Department roster. **Firefighter Zach Courtot (Now Full-time), Firefighter Rebecca Baker.**

Full-Time Members of the Department started the Blue Card training. This is a lengthy process of online education. Blue Card is an Incident Command Training System. It is built to increase the level of Safety for Department members operating at an Emergency Incident. Blue Card is a two-part education. The First part consists of online education totaling 80 hours. The second part is an in class, multiple day training involving scenario-based Emergency Incidents. This is a tedious task meant to test the candidate at extreme levels of stress and multi-tasking abilities.



Online completion of training. Firefighter Adam Way, Firefighter Bob Mancuso.

Online training started. Firefighter Mike Bennett.

Class room Simulation Lab Completion Firefighter Jeremy Sustar

Throughout the year the Munson Fire Department takes time to educate Members of buildings within and outside of the Township in the case of an Emergency Incident. Munson Fire Department currently has seven Fire Safety Inspectors on the Roster. We would like to welcome to the growing list of Inspectors **Firefighters Joe Wilkinson and Firefighter David Dureiko**. Both successfully completed all State requirements to become an additional asset to the Munson Fire Department.

Full-Time Firefighters also took it upon themselves to advance in the craft of Firefighting through Fire Officer education. This is the foundation of a strong management team. These individuals are the next building blocks in the future of Munson Fire Department. These members studied, participated in numerous administrative tasks and operational procedures.



Firefighter David Dureiko Officer 3,4. Firefighter Jeremy Sustar Officer 2.

Firefighter Adam Way completed his Fire Instructor course. This included Online and in person classes at Bowling Green Fire Academy. Firefighter Way continues to be the C-Shift Training Coordinator. This education helps him better serve this role within Munson Fire Department.



Firefighter Joe Wilkinson and Firefighter Caleb Ferroni both completed training for Active Shooter Incidents within the Schools. These courses focus on rapidly and safely deploying Law Enforcement and EMS personnel working in unison to treat and triage potential wounded victims. This is an unfortunate but much needed skill within the community.

Firefighter Louie Danku completed his Firefighter II certification. Through this transition course Louie was able to advance in his certification from Firefighter I to the level of professional Firefighter.



Captain Nick Meros completed the necessary classroom and testing as required by the National Fire Academy to become a Munson Fire Department **Incident Safety Officer**. This 2-day course examines the Safety Officer's role at emergency responses. A specific focus on operations within an Incident Command System (ICS) as a Safety Officer is the main theme.

Chief Vatty had the opportunity to attend the **Fire Chief's Resource Symposium**. The Ohio Fire Chiefs' Association is a statewide organization supporting the interests of Ohio's fire chief officers. Through a variety of programs and services, the Association provides education and professional development, legislative advocacy, communication and information exchange and peer networking opportunities throughout the year.



Fire Inspector Doug Riedel attended the Fire Department Instructors Conference (FDIC). The FDIC International is a one of kind experience, bringing together members of the fire service from around the world to exchange information, network, meet up with old friends and meet new ones.

Looking Forward

For the 2022 Year, the Training Division at Munson Fire Department will continue to push forward to become advocates of professionalism. We have a healthy department that continues to get excited about future developments at Munson Fire Department and within the community.

Members within the Department are excited to start new endeavor on a Healthy incitive. We are currently re working the space we have for personnel fitness and are hoping to get new equipment to replace the aging equipment we currently have.

Members are also pushing forward to develop a "Training Campus" in the Township of Munson. This would be an amazing resource to the department and surrounding departments within the community. This campus would offer such resources as a "Fire Burn Building". This building would be made to take the abuse of several purposely set training fires for live burn evolutions. The option of "burning down" a building within the community, as firefighters call an "acquired Structure" is becoming harder to do so legally thus in turn will tax the fire service for not only the needed burns required for recertification but much needed training.

We look forward to another successful year within the training division. We are always looking to better ourselves through continuing our education and professionalism



Swearing in Ceremony of Assistant Chief Brian Gray with his wife Kim and son Bode.

Fire Inspections

Munson Fire Department Fire Prevention Bureau conducted the following Fire Safety Inspections for the 2021 year:



First Inspections: 84
 Second Inspections: 19
 Third Inspections: 4
 Kitchen Hood Suppression Tests: 18
 Sprinkler System Tests: 12
 Standpipe Flow Tests: 2
 Fire Extinguisher Class Demonstrations with Hands On: 5



Public Education Classes in the schools: 4

Fire Drills or Lock Down Drills: 7

2021 Burn Permits: 234

2021 Fire Works Permits 6

Fire Prevention is aiming for 100 % of compliance of the 90 commercial buildings we protect.

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 bureau witnesses kitchen hood suppression tests and fire alarm tests. Also, public education programs are conducted for fire extinguisher classes and fire drills are observed and timed for efficiency and improvement.

Fire Inspector (FSI) Douglas Riedel heads up the Bureau. Assisting is Chief Vatty and the three (3) shift Captains. Along with the three shift captains there are seven (7) additional certified inspectors that assisted with the inspections while on shift. Each shift is assigned a list of local business to inspect each month. While doing this, three things happen: 1.) Hazards are addressed and abated with the owner and occupant advised, 2) gives the on-duty personnel a chance to familiarize themselves with the building(s), and 3) collecting important building data that is obtained and collected for our pre-planning for the township.

During 2021, Fire Inspector Riedel logged 482.5 hours in the fire prevention bureau alone. These hours do not take into account for any shift inspections or other fire inspections and witnessed inspections by any other personnel. Munson Fire Depart is going to track all these hours in 2022. The fire prevention bureau is continuing to develop and redefine its processes.

With the pre-planning being done and its information constantly updated and entered in Emergency Reporting, the inspections continue. In Munson Township there are 85 businesses which comprises of a total of 124 buildings to be entered. Out of these 124 structures there are 148 individual business that are gone through. All of the businesses should be entered at least once a year. The last couple of years we were sort of hampered by Covid 19 but approximately 90 per cent of the structures were inspected.

To go along with this inspection and gathering the buildings intelligence, pre-planning of our buildings was initiated in 2021. The fire prevention bureau conducted three (3) separate drills with our auto aide fire departments. These drills were conducted at the Notre Dame Village, The Jennings apartment building. A plan was set up a head of time as to where certain fire apparatus would be placed and at this time all personnel conducted a walk around and walk through of the building. This was the first time in our townships history this was ever done. This type of drill will be conducted with our auto aid companies at our other target hazards within our township in the coming year. These target hazards include the County Jail, Heather Hill, Maplewood, schools etc. These pre plans will also be entered into the county's CAD system. Once this is done, all of our auto aid departments will be able to access our pre plans before their arrival or use them for one of their fire department drills.

Since Covid 19 came to being, the last couple of years the fire prevention bureau witnessed 6 fireworks events during 2021, during 2020 there were 18. All were conducted at the Mayfield Road Drive-In theater except for one, which was private. Just about all of them were for high school graduations since nothing in doors could be held for the students. An application is submitted by the fireworks exhibitor to the bureau, then a permit is issued. A fee is charged by the bureau for the event. An Ohio State certified fire inspector has to be on the premises when the fireworks arrive by truck. Once set up the display tubes have to be looked at for the state requirements. Forms also have to be filled out on site. Then the inspector has to stay until the fireworks are shot off. Photographs are also taken for each set up for their individual files. Total time from arrival till show time is anywhere 4 to 5 hours. The fee that is charged covers the inspector on site and the remainder of the funds goes into the fire prevention bureau. These funds are used to purchase fire prevention materials that is used in the township's schools.

Vehicles

NFPA 1901 has specific requirements for vehicle maintenance and inspection. Ladder 4044 has only seen a total of 2,000 miles and only 200 engine hours over the last year. Countryside Truck has proposed a cost savings of performing fluid changes annually due to the use of synthetic oils and vehicle use. This has the potential to be a cost saving of at least \$ 1,200 per year.

Pump Test and Ladder Tests



All fire apparatus were maintained to 1901 NFPA standards; recent changes in the ladder test vendor indicated several systems that needed attention in order to pass a five-year nondestructive test. The work was performed by Underwriter Laboratories Inc. All fire

apparatus pumps were tested by Countryside Truck Inc. the pumps passed and exceeded NFPA 1901 standards.

Major Repairs Performed

4033 developed several air leaks in the last year, these leaks were primarily from the braking system. This along with leaks in the fuel tank, required immediate repair. All leaks were the direct result from corrosion and the use of modern ice melting materials. This kept the vehicle out of service not able to respond for three weeks, costing over \$ 3,600 in repairs.

4052 continued to plague Munson Fire Department with emission issues and out of service time. Luckily Munson Fire Department was proactive in the ordering of a replacement squad to curb any down time of apparatus.

Ohio Bureau of Workers Compensation (Exposure to Environmental Elements Grant)

Munson Fire Department applied for a grant through Ohio Bureau of Workers' Compensation Firefighter's Exposure to Environmental Elements Grant (FEEEG grant) in December of 2021. This is a one-time grant we have applied for. If awarded each member of the fire department will get a new hood that the firefighter would wear during any firefighting operations. These hoods are designed to block cancer causing carcinogens and particulates from transferring into the head and neck area and eventually into the blood stream. Each member will also receive a new pair of washable, structural firefighting gloves. This will allow all of our members to have two sets of gloves and hoods to use in a rotation so the other pair can be cleaned.

This grant is a 5/1 match up to \$ 5,000.00. On Friday, January 14, 2022, we received an update from Ohio BWC, the grant was awarded. We are currently in the process of fulfilling the requirement and making the purchases to be reimbursed.



Ohio Department of EMS Grant

Munson Fire Department was awarded \$1200.00 in June of 2021 from the Ohio Department of Public Safety, Division of EMS (ODPS EMS). This is funded from the State of Ohio with monies generated from seat belt tickets written across the State of Ohio and dispersed to agencies applying for the grant. This \$1200.00 is actually less than what we have received in years past. This is due to less traffic enforcement throughout the state and less public contact from the COVID pandemic.

Items Purchased:

Small, portable pulse oximeters - pulse oximeters have been placed on all of our fire apparatus and our support vehicles. These allow us to check the oxygen saturation of any patient we

encounter as well as to take care of our personnel on any incidents as well. This is a standard piece of equipment that is on all of our squads and we now have available on all of our apparatus.

Large Vacuum splint – this splint is designed to immobilize an injury to a long bone on a patient. The splint is secured around the patient’s extremity and then the air is “vacuumed” out creating a rigid splint to immobilize the injury. We have a set of these on all of our squads. We had to replace a large splint this year as the old one was extremely worn and not suitable for patient use anymore.

Ballistic Vest – this is one tool that we hope we never have to use but are glad to have. The ballistic vest is used to provide protection to the rescuer during a hostile situation. We would don these vests during any reported active shooter in a building, hostage standoff, domestic violence situation or any other incident that we deem necessary. This is the 7th vest that we have purchased for the fire department.

AFG – SCBA Compressor

In August of 2021, Munson Fire Department was awarded a grant that was submitted in 2020 for \$62,571.40 from the Federal Emergency Management Agency, Assistance to Firefighters Grant program. (FEMA AFG). This grant was written for the replacement of our antiquated SCBA breathing air compressor. The compressor is ordered and is slated for a delivery and installation at the end of February 2022. This grant was a 95/5 % cost match. Munson Fire Department is responsible for \$3,128 of the purchase.



Recent Grant Submission for the 2021

In December of 2021, Munson Fire Department applied for the 2021 FEMA AFG grant. We wrote an AFG grant to replace our existing Mobile Data Terminals (MDT’s) in our apparatus. These MDT’s vary in age from 6-11 years old. Geauga County is upgrading their computer aided dispatch software in the near future and some of our current MDT’s will not be supported in the upgrade. A 95/5 match grant was written for this project as well. This FEMA AFG grant is submitted for grading. The award timeline is still unknown but will be sometime this calendar year. If awarded, we will obtain \$34,000 of new MDT’s and truck mounts for a cost share of \$1619.05.

Munson Fire Department also partnered for a joint AFG grant application with Hambden Fire Department. The joint AFG submission was for updating fire hose and nozzles. These nozzles

are over twenty-two years old. Currently, Munson Fire Department does not have any in service spare hose to replace used hose in the event of a fire. Hose is mandated to be tested annually for compliance by NFPA and replaced by Ohio BWC to keep our staff and work force safe.

Capitol Improvements for 2021

During 2021 the following building upgrades were completed, replacement of the Fire Station and Townhall Emergency Back Up Generator. Continuation of replacement LED light fixtures, touchless plumbing fixtures, touchless and motion sensing electrical sensing controls. Continuation and paving of the front parking lot and fire department entrance.

Capital Improvements for 2022 Include

Delivery of a new 2021 AEV Freightliner rescue squad, ordered but delayed due to the Covid 19 supply chain. Munson Fire Department is also hoping for the delivery of new tanker. This is a replacement of Pumper / Tanker 4033, ordered in June of 2021, it has a build date for November 2022. This vehicle is replacing a \$600,000 vehicle bought twenty years ago. The new replacement on order is only \$ 365,000. Munson Fire Department has numerous station projects planned for 2022. These projects are to enhance our abilities and update our fire station for more practical use of space, most of these projects are being completed by our personnel and the use of their talents.