

City of Troy Fire Department 2017 Annual Report









City of Troy Fire Department

2017 Annual Report

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City of Troy Fire Department

Message From Fire Chief Matthew D. Simmons



As we usher in a new year and close out a successful 2017, it is with great pride that I present to the honorable Mayor Michael L. Beamish, his staff, elected members of City Council, and most importantly the citizens of Troy, the 2017 Troy Fire Department Annual Report.

We have had an exciting and busy year here at the Troy Fire Department! In 2017, not only did we celebrate 160 years of fire and emergency service dedicated to the citizens of Troy and surrounding townships, we also instituted a new Training Lieutenant position within our ranks, hired 2 new firefighter paramedics, and continued our partnership with the Troy Police Department and the Miami County Recovery Council with the Quick Response Team. In addition to new personnel and programs, we were also able to purchase several new pieces of apparatus to better serve our community, including a rescue boat with trailer, a new command vehicle for our Assistant Chief, the acquisition of two retired and repurposed City of Troy police cruisers that are utilized by our fire

inspectors, and a new ambulance that will be on the road and in service in early 2018. We were also able to purchase 4 new, fully equipped bicycles for our bicycle paramedic program with a generous donation from Mr. and Mrs. Thom and Pat Robinson.

In 2018, we are looking forward to the expanding health care facilities and services within our community and are eager to partner with various groups and organizations to provide the best possible health care for our citizens. Community outreach has become a major focus here at the TFD, not only on the fire side of the business, but on the health care side as well. We have already taken steps in-house to improve the health of our firefighters by implementing a tobacco free workplace policy and by incorporating policies and practices that focus on cancer prevention, due to conditions that arise from work in the fire service. As health care in our country continues to change and evolve, we want to be proactive and provide new and effective ways to improve the health of our community, especially in exploring options such as community paramedicine. We are excited about what lies on the horizon in Troy and look forward to making our community a better place to call home.

The Troy Fire Department provides emergency response to our community and surrounding townships for fire and emergency medical service on a 24-hour basis. In addition to being certified firefighter/paramedics, our personnel are also trained in specialty rescue including water rescue, technical rescue and hazardous materials response. We continually strive to train for every possible situation to which we could be called.

On behalf of the dedicated firefighter/paramedics of the Troy Fire Department, I give my sincere appreciation to Mayor Michael L. Beamish, his staff, members of City Council, and the citizens of Troy for their continued support and assistance.

Sincerely,

Matthew D. Simmons

Fire Chief

City of Troy Fire Department

2017 Annual Report

ANNUAL BUDGET



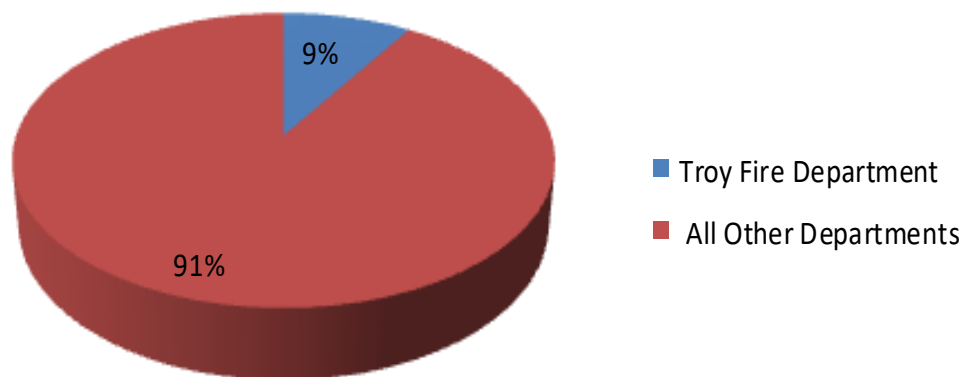
City of Troy Fire Department

2017 ANNUAL BUDGET

2017 City of Troy Approved Budget

	Approved	Total
City of Troy Budget	\$66,387,732.00	100%
Troy Fire Department	\$5,673,394.00	9%
All Other Departments	\$60,714,338.00	91%

2017 City of Troy Approved Budget



City of Troy Fire Department

2017 Annual Report

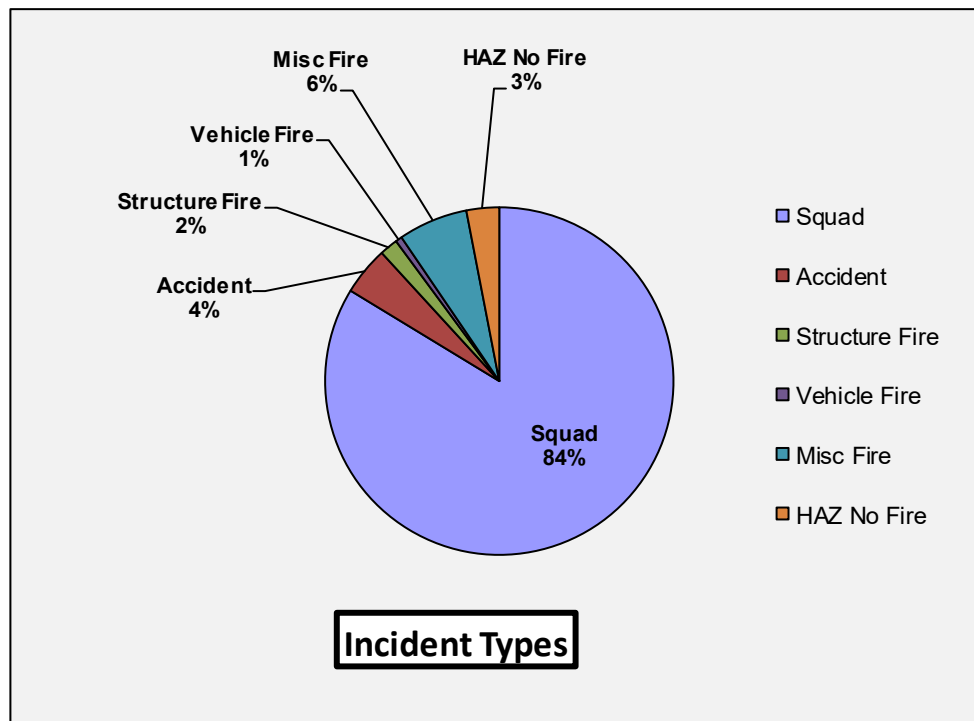
FIRE DEPARTMENT STATISTICS



City of Troy Fire Department

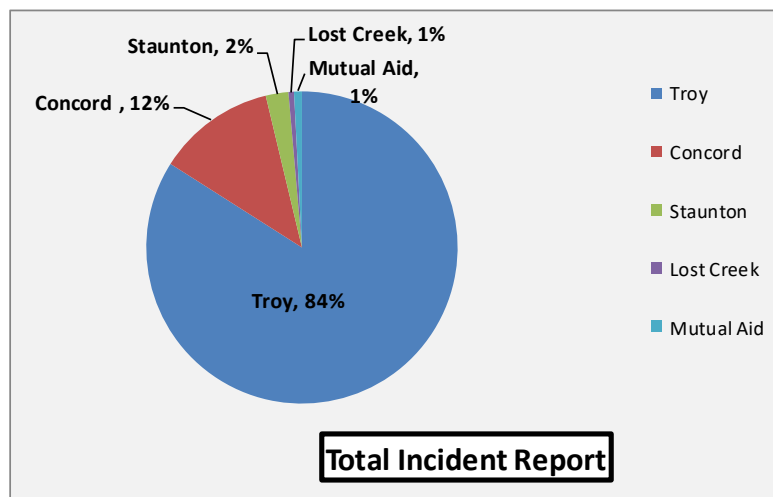
2017 Incident Statistics

Incidents		
Call Type	Total	% of Fire Calls
Squad	4408	84%
Accident	237	5%
Structure Fire	89	2%
Vehicle Fire	32	1%
Misc Fire	340	6%
HAZ No Fire	160	3%
Total Fire Call	5266	100%



Incident Statistics

Total Incident Report		
	Total Incidents	% of Total
Troy	4423	84%
Concord	646	12%
Staunton	124	2%
Lost Creek	30	1%
Mutual Aid	43	1%
Total	5266	100%



Incidents							
Call Type	Troy	Concord	Staunton	Lost Creek	Mutual Aid	Total	% of Fire Calls
Squad	3791	494	80	23	20	4408	83.71%
Accident	124	74	21	6	12	237	4.50%
Structure Fire	65	14	3	1	6	89	1.69%
Vehicle Fire	19	10	3	0	0	32	0.61%
Misc Fire	290	39	11	0	1	341	6.48%
HAZ No Fire	134	15	6	0	4	159	3.02%
Total Incidents	4423	646	124	30	43	5266	100.00%

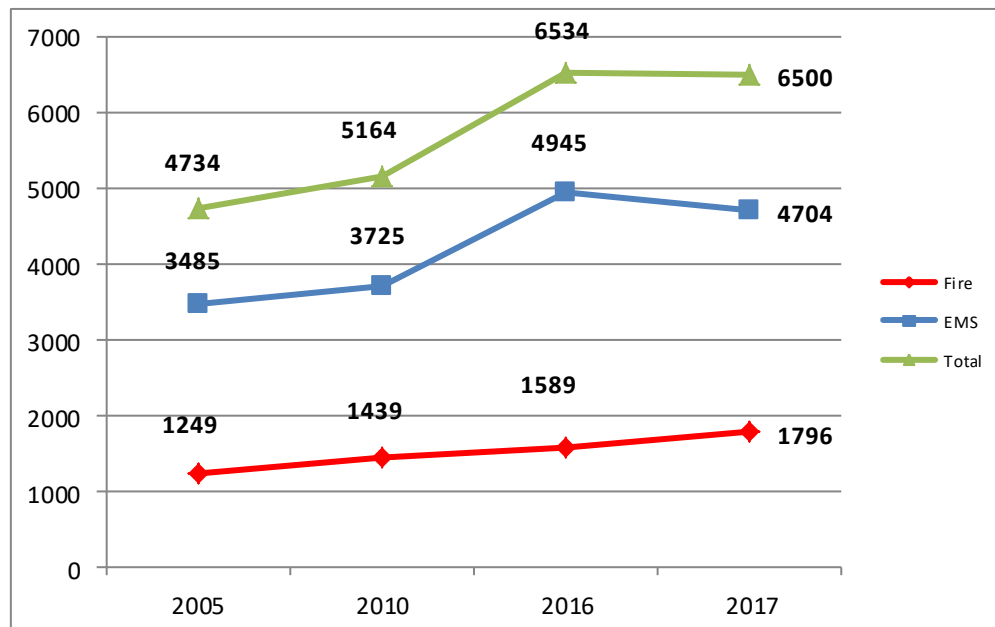
Fire Statistics

Total Response Report

City	EMS Responses	Fire Responses	Total	% of Total
Troy	3981	1472	5453	84%
Concord	560	248	808	12%
Staunton	100	60	160	2%
Lost Creek	25	2	27	0%
Mutual Aid	38	14	52	1%
Total	4704	1796	6500	100%

Overview of Fire Department Responses

Year	2005	2010	2017
Fire	1249	1439	1796
EMS	3485	3725	4704
Total	4734	5164	6500



Dollar Value Saved & Loss Analysis YTD 2017

Total Value	Total Losses	Total Saved	Percent Loss	Percent Saved
\$2,876,500	\$500,350	\$2,376,150	17%	83%

City of Troy Fire Department

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SIGNIFICANT FIRE INCIDENTS



2017 Annual Report

Significant Incidents in 2017

January 13, 2017

22:39pm

#17-0180

351 Vincent Ave

Loss: \$35,000

Fire Cause: Undetermined

C1, C2, C3, C5, E 1, E 2, TW 1, M 3 and Truck 8 responded to a single story residential fire with the origin in the bedroom. Upon arrival all occupants were out of the building and crews made a quick entry and knockdown of the fire. Investigators were called to scene due to suspicious nature of fire. Investigation of cause was unknown. No injuries were reported during this operation.

February 7, 2017

1732pm

#17-0533

9 Hobart Circle

Loss: \$25,000

Fire Cause: Undetermined

C 1, C 2, C 3, E 1, E 2, and TW 1 responded to a one story residential structure with smoke showing. Entry for crews was difficult due to clutter with the majority of the fire knocked down from exterior windows. After making entry the fire was extinguished and a fire investigation was completed with an undetermined cause. No injuries were reported.

April 10, 2017

02:42am

#17-1412

1840 Lakeshore Drive

Loss: \$300,000

Fire Cause: Undetermined

C 1, C 2, C 5, E 1, Tanker 1, E 2, E 3 and T 8 responded to a report of a working structure fire with flames showing. Due to lack of hydrants a tanker shuttle system was needed to extinguish fire. Upon arrival flames were shooting from the roof of the two-story home. All occupants were accounted for. After extinguishment an investigation was initiated with the cause undetermined. No injuries were reported.

2017 Annual Report

Significant Incidents in 2017 Continued

October 7, 2017

08:30am

#17-4060

1140 Stephenson Drive

Loss: \$25,000

Fire Cause: Accidental

C 1, C 2, C 3, C 6, E 1, E 2 and M 3 responded to a reported structure fire in a two story town-house. Upon arrival crews found light smoke showing and upon entry found a fire in the upstairs bedroom. All occupants were out of the residence and the fire was contained to the room of origin. A fire investigation was completed and the cause was accidental. No injuries were reported.

November 12, 2017

8:54pm

#17-4578

14 East Canal Street

Loss: \$30,000

Fire Cause: Undetermined

C 1, C 2, C 3, C 5, C 6, E 1, E 2 and M 3 responded to a report of smoke in a two-story commercial/ residential property. Upon arrival smoke was coming from the roof area with flames discovered in the attic. All occupants were evacuated while crews extinguished the fire. Fire investigators determined the fire cause undetermined. No injuries were reported.

December 30, 2017

11:24am

#17-5241

1225 West Race Street

Loss: \$25,000

Fire Cause: Accidental

C 1, C 3, C 6, E 1, E 2 and E 3 responded to a reported structure fire in a two-story residential home. Upon arrival crews found smoke and flames coming from a second floor window. Upon entry crews found and confined the fire to the room of origin. Investigation of the fire determined it was caused by a juvenile playing with a lighter. The residents had some minor burns that were treated at the scene.

City of Troy Fire Department

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FIRE PREVENTION BUREAU



Community Outreach Programs

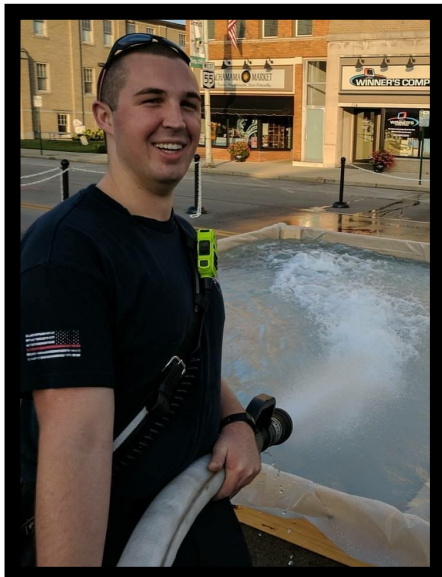
Quick Response Team (QRT)

This program was created to be used as a tool for local entities to help provide resources and support to individuals in our community that are battling with heroin addiction and substance abuse. A team comprised of fire, police, and recovery council personnel make site visits on a weekly basis to overdose patients in an effort to offer resources and to use a community wide proactive approach to combat the heroin epidemic.



The Safety Squad

The Safety Squad is a repurposed medic that is being used as an education tool for our local youth and also as a community outreach vehicle for the citizens of Troy. The exterior message contains fire safety tips and ideas. The Safety Squad hauls our inflatable safety house to events and is also used for the installation of carbon monoxide detectors. The Safety Squad program was fully funded by generous community sponsors and donors.



City of Troy Fire Department

2017 Annual Report

Fire Prevention Bureau

Fire emergencies take many lives throughout the United States every year. Unfortunately, our community has experienced this first hand. The Troy Fire Department has put into place a comprehensive fire prevention program that consists of the four basic activities of the Troy Fire Department: public education, fire and building code enforcement, a rapid response to emergencies, and a thorough investigation of all fire causes.

The Fire Prevention Bureau (FPB) is the division of the TFD that manages public relations, education, building code enforcement, fire and arson investigations. The FPB also respond to emergencies as needed. Assistant Chief Gary Stanley oversees and supervises the Fire Prevention Bureau which consists of two fully certified personnel, Daniel Stine and Greg Dilts.

We pride ourselves with the relationships and partnerships we have established to provide the most professional services for our community. We have heavy community involvement and have committed to collaborate with many organizations to provide the best prevention program possible. We have developed and maintained many programs, which include Carbon Monoxide/Smoke Detector Program, Operation SafeGuard, Lunch Buddies and Mentor Programs with Troy City Schools, Child Safety Seat Checks, Local Special Events, and many others.



Fire Prevention Education



Station Tours

Throughout the year, we host several hundred students, day-cares, programs and community organizations at all of our fire stations. This is an opportunity for citizens and students to learn about fire safety and see their firemen, stations and apparatus.



Annual 3rd Grade Education Program

Each year we host all third grade students from all schools in our area for our annual fire prevention education program at Fire Station 1. It is an interactive program where students rotate through learning centers for a memorable effective learning experience.



Age-Appropriate Presentations Throughout the Year

The FPB does a great job at educating our public in fire prevention and safety education. Their presentations are always relevant and catered to the specific audience.

Inflatable Fire Safety House

Interactive Educational Tool

In 2013, we were given the opportunity to purchase an inflatable fire safety house. This interactive educational tool has proven to be very effective in educating the students within our community. This state of the art tool has allowed us to enhance our educational program in many ways, as well as take it to an increased number of community events.



ADA Compliant

The inflatable fire safety house is not only a better educational tool, it also is ADA compliant and has opened up opportunities to a larger, more diverse population.

Fun Teaching Tool

As we use repetition within our teaching, this tool also allows for a fun, more memorable experience for the children within our community.



Carbon Monoxide / Smoke Detector Program

The Troy Fire Department began a new program in 2016 providing and installing Smoke/Carbon Monoxide combination detectors in residents' homes in need. The program was introduced as a result of a tragic CO incident in Troy, early in the year, in which three young lives were lost in a home with a faulty flue and no CO detector present in the home.

Carbon Monoxide is known as "the silent killer" because it is odorless and tasteless and can kill you without warning. The CO gas cannot be detected without a carbon monoxide detector/alarm. The detector program is available to all homeowners in Troy, through the request of the resident. The detectors are installed in a resident's home in a location most suitable for detection. The Troy Carbon Monoxide Detector Fund is funded through generous community donations through a collaborative effort between the City of Troy and the Troy Foundation. The detectors are a combination of both CO and photoelectric smoke and are powered by a 10-year lithium battery.

This program was created to make our community more aware of the importance of having carbon monoxide and smoke alarms in all homes. If one life is saved, then the program has done its job. We will continue to install, educate and provide the life-saving measures necessary to achieve this goal.



2017 Annual Report

2017 Fire Prevention Bureau Stats

General Inspections:	800
Re-Inspections:	133
Plan Reviews:	15
Fire Prevention Permits:	75
Fire Investigations:	16
Fire Responses:	33
Ambulance Responses:	44
Public Education Events:	127
Attendance at Public Ed Events:	8235
Short Shifts:	139.5

City of Troy Fire Department

Training Division

2017 Training Division Report



Training Requirements

Troy Fire Department Training Division

The City of Troy desires to have one of the most enhanced, innovative and professional fire department training programs in the region. We do not want to simply meet the minimum requirements and standards. Along with our mission statement, we want to “exceed the expectations of our community” in our training, preparation and readiness to respond to any emergency our community may encounter.

With this goal, the Troy Fire Department is unique that each of our personnel are certified as Paramedics, Firefighter II, and Fire Safety Inspectors. We also have many instructors, fire investigators, specialty teams and advanced certifications. We not only meet state and local continued education requirements, but we also provide additional training to assure mission readiness for all members.

January 1, 2017 was the inception of the TFD Training Division, as well as, the Training Lieutenant position attained by Lieutenant Aaron Simmons. This division was created to organize, lead, and coordinate the training program for the Troy Fire Department. The TFD Training Division has accomplished much this first year and is not only on its way to becoming one of the finest fire department training programs, but also continues to work hard towards preparing our Fire Department and its personnel.

City of Troy Fire Department

Training Requirements

State Requirements

Ohio EMS is a division of the Ohio Department of Public Safety. Ohio EMS governs the requirements and certifications for emergency workers. In order to maintain our certifications as Firefighter Level 2, Paramedic and Fire Safety Inspector, Ohio EMS requires the following CEU's every three years:



Firefighter 2 - 54 Hours

Paramedic - 86 Hours

Fire Safety Inspector - 30 Hours



We also meet the requirements for the Greater Miami Valley EMS Council (GMVEMSC) and test each year to operate within their regional protocols.

Insurance Services Office, Inc.



ISO rates communities and provides information regarding property and casualty insurance. Proudly, last year, TFD earned a rating of 3 as compared to it's previous rating of 4. Although, it is very difficult, our goal is a 2 rating. In order to achieve this, we are working toward exceeding their training criteria.

NFPA 1001



NFPA (National Fire Protection Agency) provides guides and standards for the fire industry. One of these includes NFPA 1001, which is the standard that lays out qualifications and training requirements for professional firefighters. This is also the standard ISO utilizes in its criteria for rating a training program. We are now following NFPA 1001 standard and its job performance requirements (JPRs) for firefighters.

City of Troy Fire Department

Training Division

2017

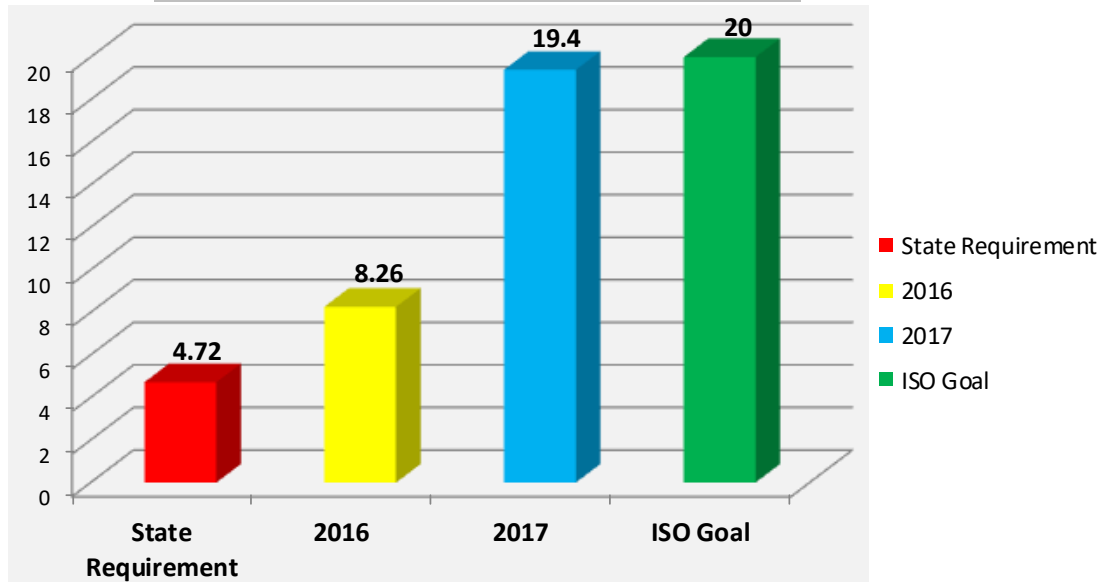
Statistics



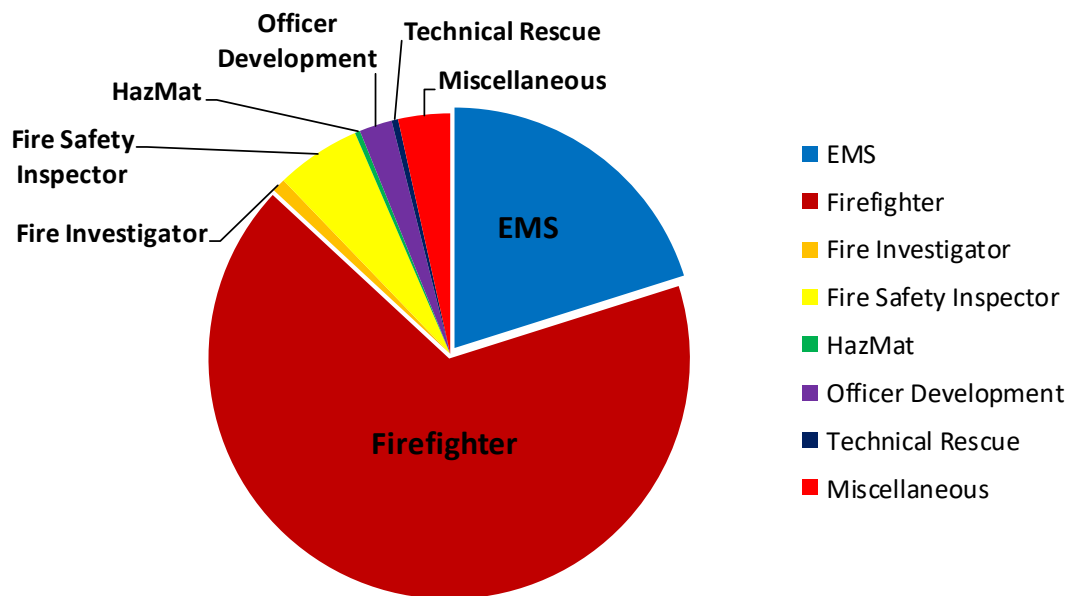
City of Troy Fire Department

2017 Training Statistics

TFD Average Monthly Training Hours



Annual Training Hours by Category



City of Troy Fire Department

Training Division

2017

Training Highlights

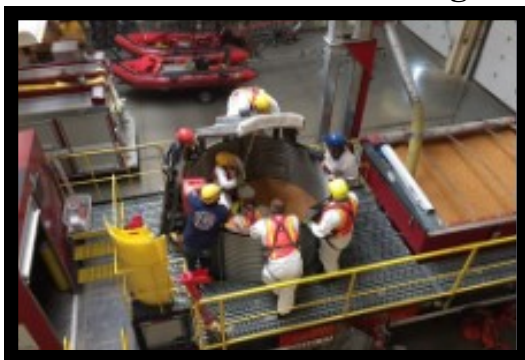


2017 Training Highlights

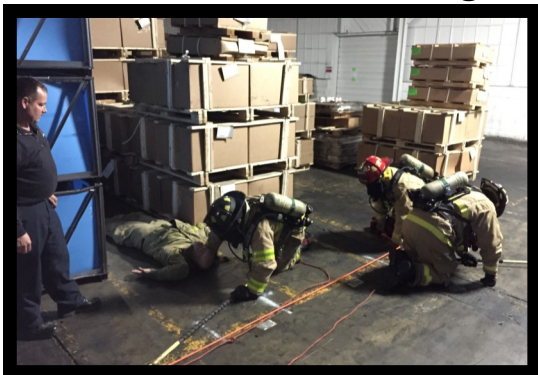
Driver's Training



Grain Bin Rescue Training



Search & Rescue Training



Ladder Training



MAYDAY/Conserve Air Training



Rescue Boat Training



Flow Path Training



City of Troy Fire Department

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TROY FIRE DEPT. PAST, PRESENT & FUTURE



2017 Annual Report

HISTORY

Troy Fire Department

In 1839, R.C. Langdon, the new editor of the Troy Times, called for a public meeting to raise money to buy a fire engine and equip a fire department because of disastrous fires that had occurred in Troy. He estimated that the cost would be two dollars for each citizen and would perhaps save thousands of dollars of property. In 1847, a meeting was called to form a hook and ladder company. Not until 1850, however, were the Troy Hook & Ladder Company and the Troy Bucket Company organized. Henry S. Mayo was captain of the Troy Hook & Ladder Company, and Henry S. Culbertson was captain of the Troy Bucket Company. After discussing the pros and cons of purchasing a fire engine for several years, an ordinance was presented in a meeting of the council in 1857 to purchase one. A Mohawk hand-pump engine was purchased from the Cincinnati Fire Department and installed on the ground floor of the Town Hall.

The Fire Department of Troy was formally organized in the fall of 1857. The company consisted of about 75 members, 50 of which belonged to the Mohawk Company and the remainder to the hose carriage. Jack Julian was the first foreman of the department. The Troy Fire Department crew pictured below served our city in 1896.



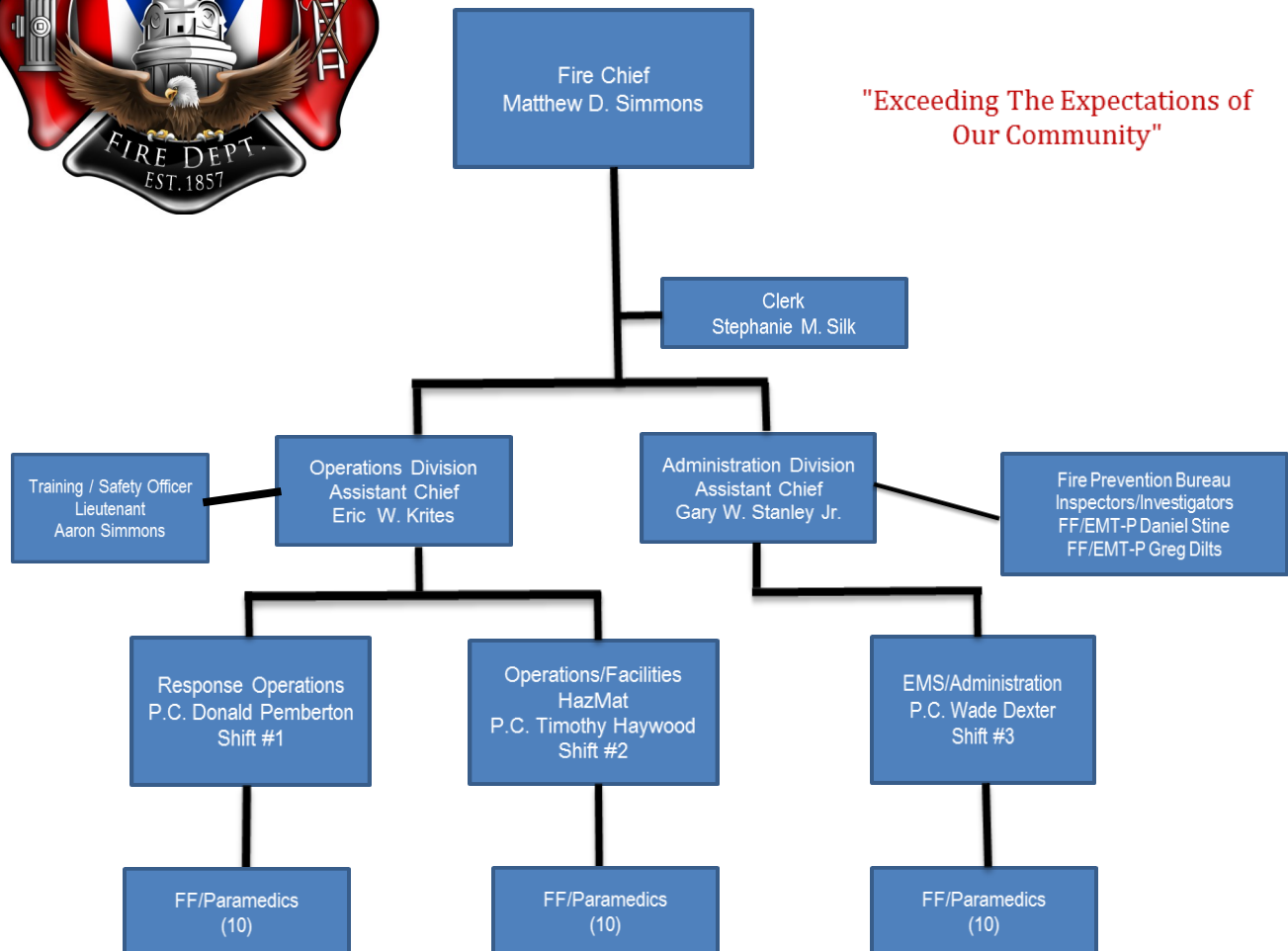


Organizational Chart



Troy Fire Department Organizational Chart

"Exceeding The Expectations of
Our Community"

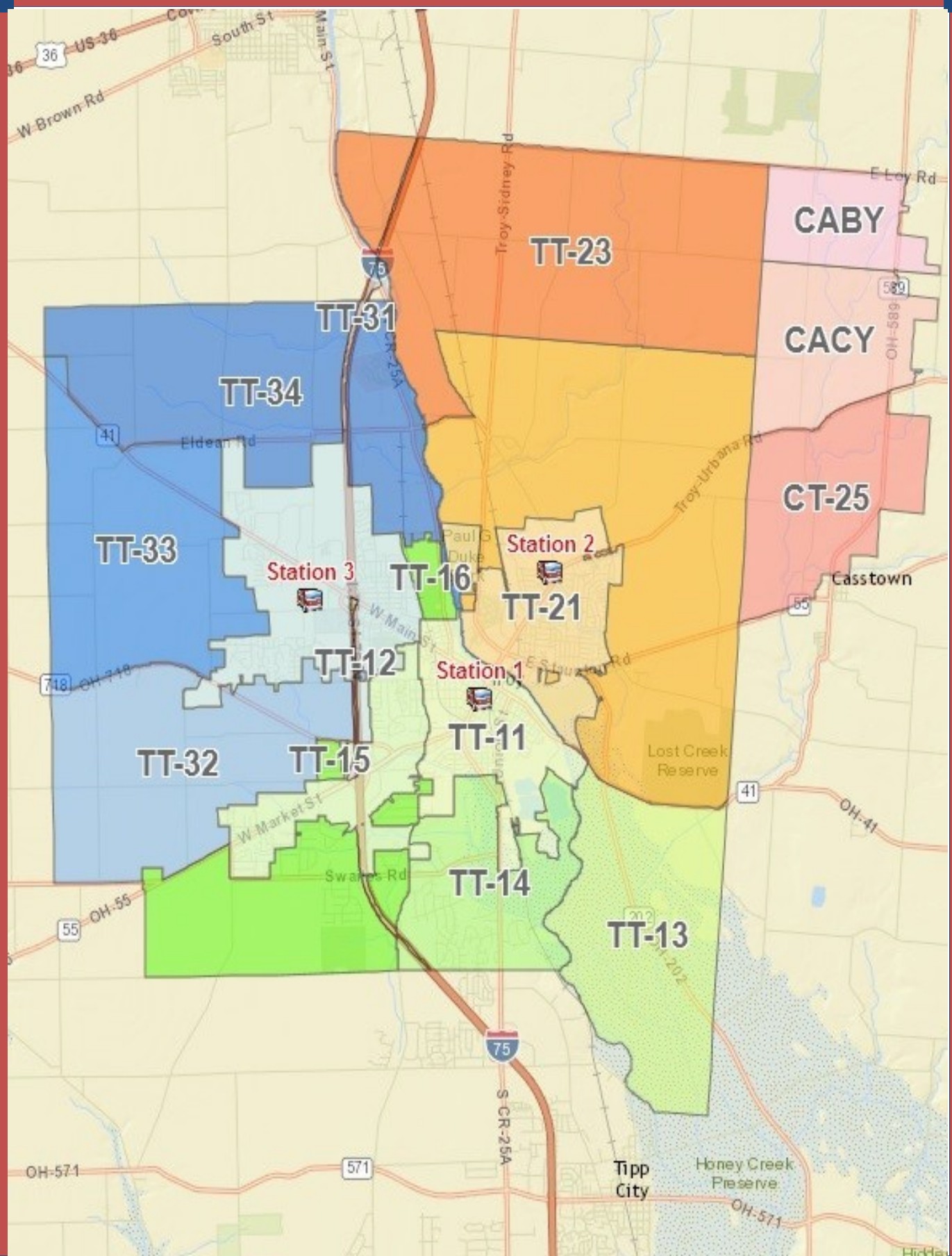


City of Troy Fire Department

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DISTRICT MAP





City of Troy Fire Department

2017 Annual Report

STATIONS & APPARATUS



Fire Department Facilities



Station 1

19 East Race Street

Fire Station 1 was opened in 1966 and serves the central downtown district with our rescue engine, 100' tower truck and medic. This station is an all electric station built when the city had owned its own electric generating station. This station is staffed with our shift officer.

Administrative Headquarters

Station 2

1528 North Market Street

Fire Station 2 is our newest station opened in 2007 and serves our northern districts with an engine and medic unit. It houses our administrative staff and a three-story training facility in its central core.



Fire Prevention office

Fire Station 3

40 South Stanfield Rd

Fire Station 3 opened in 1994 and serves our western districts with an engine and medic unit. This station is also home to our Fire Prevention Office.

Fire Department Equipment

Rescue Engine 1

2016 Ferrara MVP Rescue/Engine. This new rescue engine is a first for Miami County; with multiple capabilities beyond firefighting. This multi purpose vehicle carries equipment for many different emergencies and is powered by a 450 horsepower Cummings Engine and Allison Transmission. Rescue 1 is equipped with a Hale 2000 GPM pump and Foam Pro foam system for more adaptability with fire extinguishment. Rescue 1 has the latest in LED technology to include an 80,000 watt light tower, and numerous safety features built into the construction for enhanced firefighter safety.



Rescue Technicians

Rescue Engine 1 also contains the necessary equipment for the six disciplines of rescue. These disciplines of Technical Rescue include Confined Space, Swift Water, High Angle Rope, Structural Collapse, Trench, and Vehicle/Machinery. We are proud, that in 2016, we initiated advanced training to form a specialized technical rescue team.



Engine 2

1995 Smeal Pumper is powered by a Detroit diesel engine and an Allison Transmission. This engine holds 500 gallons of water and 20 gallons of firefighting Class A foam. The engine has a 1500 GPM pump and carries a variety of firefighting equipment necessary for fighting fires in the city and adjoining township areas we currently serve.



Fire Department Equipment



Engine 3

Engine 3 is 1997 Smeal Pumper engine that is powered by a Detroit Diesel engine and an Allison Transmission. This truck holds 500 gallons of water. The engine has a 1500 GPM pump and carries a variety of firefighting equipment necessary for fighting fires in the city and adjoining township areas we currently serve.

Tower 1

Tower 1 is a 1994 Pierce Arrow Platform ladder Truck. The truck is powered by a powerful Detroit Diesel engine and Allison Transmission. This truck has 200 gallons of water and a 1500 GPM pump for fighting fires. The 100' platform has two 1000GPM nozzles for large fires, many ground ladders and some specialty equipment for emergencies.



Fire Department Equipment



Tanker 1

This 2013 Pierce Saber Tanker is designed for rural and city firefighting. It is powered by a Cummings Diesel engine and an Allison Transmission. The truck holds 1800 gallons of water and carries additional equipment for rural firefighting operations such as a portable water tank and open tank dumping from the back of the truck. This truck incorporates the latest in safety features with newer chassis features.

Grass 1

Grass 1 is a 2004 Ford F350 with a fire-fighting skid unit on the back. This truck is powered by a Ford V-10 Gasoline Engine. It carries 175 gallons of water and 8 gallons of foam for wildfire fire-fighting. The truck is equipped with front spray bars for hands free operations in fields.



Fire Department Equipment

Medic 1

Medic 1 is a 2007 International Medium Duty Chassis ambulance from Horton. This vehicle is equipped to handle all Advanced Life Support functions as well as other emergencies. The ambulance carries numerous emergency medical equipment such as heart monitor, airway accessories, medications and specialty items needed to stabilize a patient.



Medic 2

Medic 2 is a 2005 International Medium Duty Chassis ambulance from Horton. This vehicle is equipped to handle all Advanced Life Support functions as well as other emergencies. The ambulance carries numerous emergency medical equipment such as heart monitor, airway accessories, medications and specialty items needed to stabilize a patient.



Fire Department Equipment

Medic 3

Medic 3 is a 2013 International Terrastar Chassis ambulance from Horton. This vehicle is equipped to handle all Advanced Life Support functions as well as other emergencies. The ambulance carries numerous emergency medical equipment such as heart monitor, airway accessories, medications and specialty items needed to stabilize a patient.



Medic 4

Medic 4 is a 2002 ambulance from McCoy Miller. This vehicle is equipped to handle all Advanced Life Support functions as well as other emergencies. The ambulance carries numerous emergency medical equipment such as heart monitor, airway accessories, medications and specialty items needed to stabilize a patient.



Fire Department Equipment

Command Staff Cars

2014 Dodge Durangos are used for our Command Staff Cars. These all wheel drive vehicles are equipped with radios in front and at the rear of the car for emergency scene management.



Utility Vehicle

Truck 8 is a 2016 Dodge 2500 heavy duty pick up truck with 4 wheel drive. This vehicle is used to assist our department during emergencies by carrying additional personnel or equipment to scenes. This vehicle has towing capabilities for moving our trailers and boats when needed.



City of Troy Fire Department

Future Vision & Goals of the Troy Fire Dept.



Goals/Vision for the Future

- Ensure our personnel are highly trained and equipped to provide the best quality emergency services for our community.
- Educate our community on prevention methods as we learn from emergencies.
- Find ways to maximize the value of our resources and infrastructure .
- Be innovative and become trend setters in the fire and EMS service.
- **“Exceed the Expectations of Our Citizens and Community”**

