



2020 Annual Report

Shelby Township Fire Department



Shelby Township Fire Department
Chief Franklyn W. Pierce IV

6345 23 Mile Road
Shelby Township, MI 48316-4405
Phone: 586-731-3476
Fax: 586-726-4553
www.shelbytwp.org/fire

February 4, 2021

Board of Trustees
Charter Township of Shelby
52700 Van Dyke
Shelby Township, MI 48316

Honorable Board Members:

Regarding: 2020 Annual Report – Fire Department

In 2020, the Shelby Township Fire Department had some major changes in leadership. Our longtime Fire Chief, Jim Swinkowski, retired in February. Jim's retirement opened up the opportunity for the appointment of the Chief of Training, Rodney Scrutchen, to the position of Acting Fire Chief. Acting Chief Scrutchen served the department from February up until his retirement in October. In October, Fire Marshal Steven Henion was appointed to the position of Acting Fire Chief. On January 1, 2021, the Chief of Training, Franklyn Pierce, was named the new fire chief of the department.

As always, the department continued the fine tradition of offering the highest quality of fire, rescue, and EMS coverage to our residents, business owners and visitors to our township. This report will outline the activities of each division within the department.

Fiscal responsibility continues to be the focus for our day-to-day operating expenditures. We are committed to being the best stewards of our taxpayer's money, while continuing to provide the highest level of service that our residents and business owners expect. Under the leadership of our elected officials and the dedication of our command officers and firefighters, we will continue to strive to meet the public safety needs of the community, as well as provide the financial transparency that is expected.

2020 was the second busiest year on record for the fire department. Our overall run volume was at 7,838 emergency calls for the year.

I am saddened to report that we had one fire fatality in 2020. This fatality could possibly have been prevented if the residence would have had working smoke detectors.

Board of Trustees
February 4, 2021
Page 2

Throughout the pandemic, our Special Response Teams, Hazmat, Tech Rescue, Dive, Swift Water, and Rescue Task Force continued to train and improve their response capabilities for our residents.

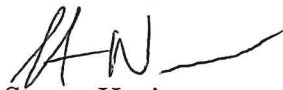
During the second quarter of 2020 we were able to hire one replacement firefighter to replace retired Fire Chief Jim Swinkowski.

We were awarded a total of \$7,970.05 in grant funding for training in Hazardous Materials, Technical Rescue, Homeland Security, and Mass Casualty.

We were able to provide virtual public education this year as our schools were shut down due to the Covid-19 pandemic. We made various PSA's to continue educating our residents and school children.

The Shelby Township Fire Department is a collective group of hardworking, dedicated employees that strive to provide the best possible public safety services to our residents. I am proud to be part of our Fire Department TEAM. The Shelby Township Fire Department is a progressive group of individuals, who are constantly honing their skills to be prepared for any emergency. I was honored to be able to lead this great group of individuals for a short time as acting fire chief. Additionally, I would like to thank the Board of Trustees for giving me the opportunity to lead our department. As we entered into 2021, the township Board of Trustees hired Franklyn Pierce as our new fire chief. I believe that we are in good hands with Chief Pierce at the helm, and I know he will do an exemplary job leading us into the future.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'SHENION', with a long horizontal line extending to the right.

Steven Henion
Acting Fire Chief

2020 Total Alarms Per Station by Month

Station	Jan. '20	Feb. '20	March '20	April '20	May '20	June '20
Station 1	170	130	144	129	123	139
Station 2	107	97	117	102	94	101
Station 3	111	90	116	102	120	125
Station 4	69	74	79	54	51	54
Station 5	252	216	225	174	164	203

Totals:	709	607	681	561	552	622
----------------	------------	------------	------------	------------	------------	------------

Station	July '20	Aug. '20	Sept. '20	Oct. '20	Nov. '20	Dec. '20
Station 1	149	151	153	171	146	150
Station 2	104	89	101	106	134	119
Station 3	115	119	134	122	150	165
Station 4	81	66	58	63	67	70
Station 5	222	227	202	228	230	214

Totals:	671	652	648	690	727	718
----------------	------------	------------	------------	------------	------------	------------

Station	Total 2020
Station 1	1755
Station 2	1271
Station 3	1469
Station 4	786
Station 5	2557

Totals:	7838
----------------	-------------

Alarms by Month - Five Year Reporting

<u>Alarms by Month</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Plus /Minus from previous year</u>
January	591	614	661	696	709	13
February	529	531	570	644	607	-37
March	580	655	605	605	681	76
April	530	632	627	641	561	-80
May	562	656	732	671	552	-119
June	602	601	716	674	622	-52
July	561	614	624	787	671	-116
August	566	636	665	691	652	-39
September	613	592	655	663	648	-15
October	640	611	708	784	690	-94
November	599	573	627	684	727	43
December	674	663	665	680	718	38
Annual Total:	7,047	7,378	7,855	8,220	7,838	-382



Shelby Township Fire Department
Chief Franklyn W. Pierce IV

6345 23 Mile Road
Shelby Township, MI 48316-4405
Phone: 586-731-3476
Fax: 586-726-4553
www.shelbytwp.org/fire

February 4, 2021

Regarding: 2020 Annual Report – Administration – Fire Suppression Division

The Shelby Township Fire Department Suppression Division consists of 63 full-time fire personnel - staffing five fire stations 24 hours a day, 7 days a week. The fire department operates on a three platoon system which in total includes three battalion chiefs, four captains, 11 lieutenants and 45 firefighter paramedics.

In conjunction with the chief, part of my role is to oversee the suppression division administratively. This includes fire ground operations, daily shift operations, and shift disciplines. Our goals are very dynamic and ever changing. One of those goals is to provide quality Fire and EMS service to the residents of Shelby Township. We accomplish this each and every day by having the proper tools to complete the daily emergencies at hand, researching better techniques for those emergencies, and maintaining all of our fire apparatuses and equipment. We also coordinate our daily trainings with the Chief of Training and the EMS Coordinator.

The fire suppression division is responsible for not only providing fire extinguishment, but also fire protection. Life safety and property preservation is the top priority of the fire department. Some of the types of incidents we have responded to this past year have been structure fires, technical rescue, hazardous materials incidents, residential and commercial fire alarms, motor vehicle accidents and many other types of emergency incidents. The total estimated fire loss for 2020, which includes property damage, content loss, and vehicles, was \$3,101,200.00.

In early 2020, when Covid-19 began showing up in our region of the state and county, we noticed a slight decrease in our call volume and an even more significant decrease in EMS transports. Looking at the total incidents in 2020, we had a call reduction of 4.8% compared to 2019. The reasons for these changes became clearer as the days went on. Fire and EMS services were still being requested, but people were not interested in being transported to hospitals in fear of being exposed to the virus.

We witnessed less people driving on roadways, which reduced our traffic accidents in the township. More people began working from home, therefore limiting or reducing the risk of viral

February 4, 2021

Page 2

exposures. Today, residents are continuing with their at home treatments with old school remedies for illness. Unfortunately, some of those remedies have failed many people and we saw an increase in home deaths. Currently, many people continue to work from home reducing the risk of accidents and viral exposures within the community.

We continue to proactively remind everyone of the positives of wearing their Personal Protective Equipment (PPE). We continue to enforce the rules and utilize the wearing of PPE for our Covid-19 positive cases that we respond to daily. Fire station personnel continue to decontaminate every station on a daily basis for our protection as well as the continued wearing of face masks inside the stations and inside fire apparatuses.

We took delivery of two new Sutphen fire engines from Sutphen Fire Apparatus. The required training by personnel on the new engines has been completed and those two fire engines have been placed in service at Station #1 and Station #5.

A breakdown of the Fire Suppression Division's incidents is included at the end of this report for your review.

I will close with this as my final annual report. I want to thank all of the past and present Shelby Township board members and Police & Fire Civil Service board members for the support of the department throughout my career. OUR fire department would not be where it is today without your continued support. Thank You!

When Chief Jim Swinkowski announced his retirement, I was as surprised as anyone. We all know he did a very good job. I hope you all continue to work as hard and collaboratively with newly appointed Chief Frank Pierce, his administrative staff and all fire department employees. In doing so, we can continue to move our department forward as the leaders in Macomb County - being the most premier, progressive, aggressive, well trained and educated group of professional firefighters in Michigan.

I know I cannot address everyone in this report, but I need to recognize several people that make the daily decisions that make the department run smoothly. These decisions help us to provide and protect the residents and businesses of the township. Specifically, I would like to thank Fire Chief Frank Pierce, Chief of Training Rodney Scrutchen, Fire Marshal Steve Henion, Deputy Marshal Duane Staten, and secretarial staff Patty Ruther and Lisa Shadeck. I thank you and everyone for the support over my 30 year career!



John McCoy
Assistant Chief

Total Record Volume By Incident Type 2020

	Jan '20	Feb '20	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Total
(10) Fire, other						1							1
(11) Structure Fire	5	5	8	7	6	13	4	1	5	5	5	10	74
(12) Fire in mobile property used as a fixed structure							1						1
(13) Mobile property (vehicle) fire	2	2	2	2		3	2	1	1	1		5	21
(14) Natural vegetation fire		1		1	1	11	10	4	1				29
(15) Outside rubbish fire			1		4	2	2		3	2	6		20
(16) Special outside fire				2		1							3
(23) Overpressure rupture, chemical reaction (no fire)							1						1
(24) Explosion (no fire)	1												1
(25) Excessive heat, scorch burns with no ignition			2	1									3
(31) Medical assist				1									1
(32) Emergency medical service (EMS) incident	575	490	518	430	418	455	519	512	519	525	570	586	6,117
(33) Lock-In						1						1	2
(35) Extrication, rescue	1		1	1				1				2	6
(36) Water or ice-related rescue	2				3	1		2					8
(38) Rescue or EMS standby		3				2	1		3	9		1	19
(41) Combustible/flammable spills & leaks	1	1		3	2	3	4	4	5	4	1	2	30
(42) Chemical release, reaction, or toxic condition	4	2		1	2	1	2	1	3	1	1	2	20
(44) Electrical wiring/equipment problem	5	4	5	5	7	18	21	10	9	16	11	4	115
(46) Accident, potential accident		1									1		2
(51) Person in distress						1			1		3		5
(52) Water problem			1		1			2	1		2		7
(53) Smoke, odor problem		1	2				2	3				1	9
(54) Animal problem or rescue				1	1	2	1		1				6
(55) Public service assistance	56	49	68	43	56	45	42	55	40	57	56	69	636
(56) Unauthorized burning	2	2	14	27	10	5	5	9	5	7	12	2	100
(57) Cover assignment, standby at fire station, move-up	1		3	1		1			1	1	4	1	13
(61) Dispatched and canceled en route	7	2	5	1	2	4	4	8	5	3	9	6	56
(62) Wrong location, no emergency found	3	8	6	2	8	8	4	2	3	5	7	3	59
(63) Controlled burning				3			2	2	2				9
(65) Steam, other gas mistaken for smoke	4		4	1	2	2	1	2	3	2	1	3	25
(66) EMS call where party has been transported			1	1				1	1		1		5
(67) HazMat release investigation w/no HazMat	5	2	1	1	4	2	4	4	4	2	6	4	39
(71) Malicious, mischievous false alarm	3	1	6	1		2			1		1		15
(73) System or detector malfunction	10	10	9	7	7	8	8	6	8	14	6	8	101
(74) Unintentional system/detector operation (no fire)	22	21	23	16	18	29	25	22	23	36	24	26	285

Totals: 709 605 680 559 552 621 666 652 648 690 727 736 7,845



February 4, 2021

Shelby Township Fire Department
Chief Franklyn W. Pierce IV

6345 23 Mile Road
Shelby Township, MI 48316-4405
Phone: 586-731-3476
Fax: 586-726-4553
www.shelbytwp.org/fire

Regarding: Annual Reporting for the 2020 Training/EMS Division

As you all are well aware, 2020 has been a year where all of our normal expectations of our training division have been raised to a completely new level due to the Covid-19 pandemic. We had plans for numerous trainings that had to be put on hold due to the restrictions from the state that were placed upon the department. Our focus had to switch gears many times from training and education to creating new protocols for EMS calls and the department as a whole. We still maintained our high training standards ensuring that all yearly requirements were taken care of. We also had to implement new procedures in order for our department to safely train in our present-day environment.

The Target Solutions Program became an essential part of training this year. The program allowed our members to keep up their EMS continuing education requirements and gave us the opportunity to gain valuable knowledge from experts around the country in various topics to improve our skill sets. This program was also used to track more of our records as we continue to push towards an electronic record system.

This year we conducted 33 fire-related classes, 28 EMS classes, and CPR recertification for the entire fire department. In addition, there was a 2020 CPR instructor update for our members that teach CPR. Training did not include the company, shift, and station training that is organized by the shift officers. Some of the training that we covered this year was the annual RIT training, our new dispatch program, and a new call back/ paging program. As always, we have conducted our department training on Haz-Mat, Dive, Swift Water, and Technical Rescue as well as quarterly training for all of our specialty teams.

The training division continued to oversee the monthly department CPR classes for the public when state restrictions allowed. Additionally, we were able to recertify our CPR instructors that met the qualifications. All of our members with EMS licenses that were due to expire in the 2020 calendar year were renewed and audited by the department. We continued to support MCC and Superior Medical education (Dorsey College) with their mentoring programs. We worked with Utica Community Schools to provide EMS coverage on their 7th through 12th grade football games, contact sports, and standby at miscellaneous events.

We have been attending the Rapid Intervention Team Committee, the County Training Committee, Michigan Fire Fighter's Training Council (MFFTC), and Michigan Fire Service Instructors Association meetings.

The training division also attended the MCMCA meetings and disseminated the information as necessary. We also reviewed and inputted all the MY Cares out of hospital CPR intervention

February 4, 2021

Page 2

information as well as continued to review QA/CQI of 100% of our medical calls and report our information to the MCMCA. Many of the conferences that we would normally have attended were cancelled due to Covid-19 restrictions.

Lt. Verbeke maintained the mobile computers and assembled numerous ESO updates. These updates allowed our medics to document their calls correctly while allowing for proper reviewing later. Last year we responded to 6,669 EMS calls, transported 4,616 patients to eight different hospitals, and wrote 7,134 EMS reports.

We are continuing to work to improve the training division with new ideas, more dynamic training, and updated information to help maintain and improve our standard of excellence. We pride ourselves in cutting edge training that gives our department the proper education and resources to offer the second to none quality and care that our citizens and community require and deserve. Our standard would not be possible to meet without our dedicated firefighters, officers, inspectors, educators, administrative staff, and (acting) fire chief. This has been especially true throughout this past year when there were so many unknowns due to the pandemic.

Lastly, I would like to thank Acting Chief/ Chief of Training Rodney Scrutchen for his leadership during an incredibly difficult year. Although he has retired, his contributions to the Shelby Township Fire Department will never be forgotten.

A handwritten signature in black ink, appearing to read 'Frank Pierce', followed by a long horizontal line extending to the right.

Frank Pierce
Chief of Training



Shelby Township Fire Department
Chief Franklyn W. Pierce IV

6345 23 Mile Road
Shelby Township, MI 48316-4405
Phone: 586-731-3476
Fax: 586-726-4553
www.shelbytwp.org/fire

February 4, 2021

Regarding: 2020 Annual Report – Fire Prevention Division

The Shelby Township Fire Prevention Division consists of four full-time members and our administrative assistant: Lt. Inspectors Signorello and Werner, Deputy Marshal Staten, Fire Marshal Henion, with Administrative Secretary Shadeck.

In 2020, the Fire Prevention Division picked up where we left off in 2019. Our efforts were concentrated on Periodic/Annual fire inspections. Included in our efforts to keep Shelby Township safe, we inspected and worked with our building department on all newly constructed buildings.

Fire Prevention education is also an important part of the Fire Prevention Division. Unfortunately, due to the Covid-19 outbreak, many of the public education events we participate in were canceled. We did, however, put out many PSA's to our community to keep up in educating our residents about fire safety.

The Fire Prevention Division is also responsible for overseeing all of the fire investigations in our township to determine origin and cause. A complete breakdown of the Fire Prevention Division's activities is included for your review.

Yours for a fire safe community,

Steven Henion
Fire Marshal

2020 Fire Prevention Statistics
Total Inspections Performed: 2290

Type of Inspection	# of Inspections
Fire Investigations	51
Periodic / Annual	887
Re-Inspections	76
Final Occupancy	123
Apartments	114
Special	58
Public Education / Relations	5
Plan Reviews	302
Construction	68
Emergency Management	76
Burn Permits	35
Knox Box	39
FOIA Requests	49
Other	407



Shelby Township Fire Department
Chief Franklyn W. Pierce IV

6345 23 Mile Road
Shelby Township, MI 48316-4405
Phone: 586-731-3476
Fax: 586-726-4553
www.shelbytwp.org/fire

February 4, 2021

Regarding: 2020 Annual Report - Emergency Management

2020 was a productive year for Shelby Township Emergency Management considering the global pandemic. Deputy Director Lt. Daniel of the Shelby Township Police Department and I continued to attend the Macomb County Emergency Management meetings as well as the LEPC meetings which were held quarterly throughout the year. I continued to participate in the Macomb County Emergency Management radio tests and the quarterly tests conducted by the Macomb County Health Department.

The Shelby Township Emergency Operations Center staff was put to the test this year in dealing with the Covid-19 virus. While we never officially opened the EOC, we were ready for an immediate response if needed. All EOC staff carried out the functions they were responsible for, whether it was from their own office or from home.

A State of Emergency was declared March 17, 2020 and extended 90 days in April due to the ongoing pandemic. Numerous executive orders were enacted by Michigan Governor Gretchen Whitmer. Special attention was paid to each order to ensure that Shelby Township was in complete compliance.

The I.T. department is currently working to assign each EOC staff member a laptop to ensure a more efficient response in the event of EOC activation. This will be completed when all of the laptops that have been assigned to staff that are working from home have been returned.

The severe weather alerting system has been totally updated as of 2019 and the testing is being witnessed by the Shelby Township Emergency Management Coordinator.

Respectfully,

Duane Staten
Director of Emergency Management