

URBANA



FIRE DIVISION



Annual Report

2016

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Mark E. Keller, Chief

Mayor Bill Bean
Director of Administration Kerry Brugger
Members of City Council
Citizens of Urbana

Ladies and Gentlemen,

Submitted herewith is the Annual Report of the Activities of the Urbana Fire Division for the year 2016.

Figures contained in this report have been gathered throughout the year from daily reports and are as factual as daily operations permit.

Overall 2016 was a good year and the members of the fire division continue to work diligently to be both cost effective and efficient. As of the end of 2016 we began our second year of Staffing for Adequate Fire and Emergency Response (SAFER) Grant. We have maintained our normal staffing levels over the first year with the exception of one position from August of 2016 until the end of the year. In August Firefighter/Paramedic Parker Robison resigned to take employment with the Marysville Fire Division. Parker has been working part time with Marysville since prior to coming to work at the Urbana Fire Division. A full time position opened up in Marysville and Parker was offered the position.

We continue to see affects from the Affordable Care Act and our EMS billing payments. Over the past several years we have had a drop in EMS billing revenue. Prior to 2016 our demographic was approximately 50% Medicare/Medicaid and the remaining 50% was private insurance companies and self-pay. In 2016 we now have approximately 80% in Medicare/Medicaid which is caused by the exchanges that have been set up through the federal government. Patients who are enrolled in the state exchange are added to the Medicaid system. To demonstrate the affect this has on our billing revenue, we receive Medicare payments for an Advanced Life Support (ALS) Call of \$320 and Basic Life Support (BLS) of \$270. Medicaid payments for ALS is \$165, BLS is \$86. Our current billing structure is

BLS1 = \$650, ALS1 = \$825 and ALS2 = \$1,000. So you can see that we are receiving a very small portion of what is being billed. We did however have a good year in 2016 mainly due to the number of transports we have made.

Our incident numbers this year are the highest that we have ever had. The trends show that this number will increase in the future. As you will see in the executive summary, in 1996 (when we began digitally tracking calls) we had a total of 1,847 calls compared to 2,646 calls in 2016. This is over a 43% increase in 20 years. This is all done with the same staffing levels since 1992. The main areas of this increase are EMS calls and motor vehicle crashes. EMS calls are up over 47% and motor vehicle crashes is up over 29% overall during the 20 year period. EMS calls in the city is the largest increase up over 64% from 1996.

The purchase of a new medic unit was a highlight of 2016. This new unit was the first new unit purchased in nearly 10 years. We have tried to get into a 5-7 year cycle for new medic units for a very long time and we hope to start achieving this goal from now on. The new unit was custom built by Horton Emergency Equipment on a 2017 Freightliner chassis. As many of you are aware, we have had a very bad experience with the International chassis that was purchased in 2007. We have spent approximately \$50,000 on repairs to the chassis since it was purchased. A new chassis from Navistar cost approximately \$80,000. We met with Navistar to discuss the problems that we have been experiencing on several occasions. Navistar did not provide any options to remedy the problems and no agreement could be made to make this right. We decided to purchase the Freightliner chassis for the new unit.

Finally, I would also like to thank the Fire Officers and Firefighters of the Urbana Fire Division for their loyalty and cooperation during the past year.

Respectfully Submitted,

Mark E. Keller

Mark E. Keller, Chief

Mission Statement

The Urbana Fire Division is a highly motivated, efficient, cost effective, and customer service oriented team; committed to excellence in emergency medical service, fire suppression, rescue, fire prevention and education. We realize our vision of excellence through safe practices, dedication, professionalism, and leadership.

Core Values

Teamwork – Service – Competence – Integrity - Confidentiality

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APPARATUS AND MAINTENANCE

Medic 1	Brush 1
Medic 2	Chief 1
Medic 3	Chief 2
Engine 1	Utility 1
Engine 2	Rehab 1
Truck 1	Haz Mat 1
Engine 4	Fire Safety Trailer
Tanker 1	

2016 Events



Champaign County Fire Chiefs Meeting with guest, State Fire Marshall Larry Flowers.



Dedication Ceremony for our new Medic Unit

Administrative

Prepared by Chief Mark E. Keller

Urbana Fire Division 2016 Executive Summary

	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>1996</u>
EMS Runs	2010	1797	1849	1795	1799	1708	1363
City	1655	1447	1468	1424	1474	1388	1008
Urbana Township	280	257	280	266	257	228	213
Salem Township	53	64	56	40	18	38	44
Concord Township	10	5	24	12	NA	NA	NA
Union Township	NA	NA	NA	41	29	41	33
Mad River Township	NA	NA	NA	NA	NA	NA	35
Mutual Aid	12	24	21	12	21	13	11
Motor Vehicle Acc.	182	144	119	117	113	141	NA
City	98	64	60	60	55	81	NA
Urbana Township	47	57	39	32	40	40	NA
Salem Township	19	13	13	12	6	9	NA
Concord Township	4	1	1	1	NA	NA	NA
Union Township	NA	NA	NA	6	6	6	NA
Mad River Township	NA	NA	NA	NA	NA	NA	NA
Mutual Aid	14	9	6	6	6	5	NA
Fire Runs	454	501	483	408	448	446	484
City	337	372	369	300	322	334	382
Urbana Township	72	71	63	75	76	62	66
Salem Township	15	22	16	10	9	8	18
Concord Township	NA	NA	NA	NA	NA	NA	NA
Union Township	NA	NA	NA	10	14	10	8
Mad River Township	NA	NA	NA	NA	NA	NA	5
Mutual Aid	30	36	35	13	27	32	12
Total Runs	2646	2442	2451	2320	2360	2295	1847
Fire Loss/Saved Est.							
City	\$127,966	\$123,575	\$229,547	\$136,870	\$398,826	\$476,800	\$101,100
Rural	\$68,896	\$116,350	\$70,295	\$51,951	\$58,320	\$55,600	\$131,605
City Property Saved	\$2,801,841	\$14,437,500	\$2,044,485	\$3,065,390	\$1,333,249	\$1,346,500	UNK
Rural Property Saved	\$427,954	\$101,700	\$3,456,420	\$761,000	\$160,530	\$60,400	UNK
Receipts							
EMS Receipts	\$464,985	\$354,620	\$383,110	\$390,508	\$424,870	\$405,620	\$91,160
Township Contracts	\$314,697	\$307,768	\$277,149	\$288,683	\$215,979	\$174,105	UNK
Grants	\$68,944	\$106,000	\$199,075	\$83,654	\$112,394	\$98,689	NA
Statistics							
Training Hours	10787	6173	6498	5826	5618	6104	7138
Initial Inspections	48	71	74	134	192	77	155
City Re-inspections	27	45	69	84	179	9	UNK
Consultations	46	81	73	40	85	15	UNK
Lectures/Tours	12	12	18	12	28		90
Number of Adults	92	162	226	90	172		553
Number of Children	1611	1485	1327	1634	2623	1306	581
Vacation Hours Used	3534	4111	3903	4218	3848	5018	3767

Urbana Fire Division 2016 Executive Summary

Sick Hours Used	*3687	2262	1708	2238	*4191	*3641	968.5
Comp Hours Used	960	1097	986	785	936	1017	UNK
Personal Hours Used	**1369	1175	906	**1636	548	722	UNK
Duty Overtime Hours	300	498	558	503	603	1142	1640
Minimum Staffing Overtime	958	1131	***1654	67	16	197	UNK
Training Overtime Hours	111	52	63	74	220	294	2166
Holiday Hours Earned	1052	1200	1761	2115	1994	1699	2155

*Several members had injuries, illnesses or family illnesses again this year that caused an increase in sick leave use.

**Personal Time use has increased due to a policy change that requires a 72 hour notice prior to using Vacation or Comp Time. Personal Time is the only allowable time off with less than 72 hours' notice.

***Minimum Staffing increase due to 4 retirements and several members on extended injury leave at the same time.

1996 was the first year we began electronic reporting and tracking our information. This shows a good comparison of where we were in the past and our current status.

SPECIAL INFORMATION

As many of you know there is a drug issue in this country. We have researched the last couple of years to see how many Heroin/Fentanyl Overdoses we have responded on. The first couple of months into 2017 indicate that there will be record numbers in 2017.

	<u>2016</u>	<u>2015</u>
Total Overdoses	51	42
Admitted Heroin Overdose	16	15
Suspected Heroin or Fentanyl	16	10
Total potential Heroin or Fentanyl Overdose	32	25
Repeat Overdoses (same person)	2	0
Deaths due to overdose	6	4

A Look into The Future

2017

During 2017 the fire division will be working on several projects for the year.

1. We will continue to look into and find grants to help supplement our budget for both operational needs as well as for capital purchases.
2. We have budgeted to purchase a new utility truck. The utility truck is used to haul equipment and/or personnel to and from scenes, running errands for parts, and groceries, completing fire inspections and/or investigations and travel to trainings off site. The current utility vehicle was purchased used from Home Depot and has served us well but is at a point that it can no longer be used for an emergency response vehicle. The current vehicle will be placed back into the city fleet for misc. use by other city departments.
3. Emergency Medical Services will continue to change over the next several years due to Ohio legislation this past July that allows trained paramedics and Emergency Medical Technicians to provide non-emergency care to patients. This new concept is called Community Paramedicine or Mobile Integrated Healthcare and will allow our medical personnel to make house calls on certain patients. The new system, still in development by the State of Ohio, would allow us to go to a patient's house after they were discharged from the hospital to do follow-up care and then give updates to their primary care physician. This care may involve ensuring the patient is taking their medications properly, doing an assessment at their homes to make sure they are safe (trip hazards, cooking hazards, accessibility, etc...). This care will be limited to patients who have difficulty following doctor's orders, congestive heart failure patients and cardiac patients and patients with major fractures of their hips. There will be more news to come on this issue in the future.

We will strive to improve our operating efficiency both in-house and how we can improve our working relationships with other city departments and other emergency responders, such as police, fire, EMS, Utility companies.

2018 and beyond

We will continue to look at new technology and make improvements when financially possible. The Chief 2 vehicle is showing a lot of wear and tear, so we will look into replacing the vehicle in in 2018. Between 2018 and 2019 we will begin to prepare specifications for a new engine to replace both our current Engine 2 which is 32 years old and Engine 4 that will be 21 years old. We will set the new engine up for primarily fire response and use current Engine 1 as primarily a rescue engine. They both will be interchangeable if the need arises. We hope to make this purchase using the 2018 or 2019 Assistance to Firefighters Grant Program. This grant will not pay the 95% like the other AFG Grants we have received but it should be at least half or a little more.

Long term we have budgeted to have Truck 1 refurbished in 2022. It is recommended that a ladder truck be refurbished after 20 years of age. This will be a substantial cost but the cost replace will be even greater. Truck 1 will be 20 years old in 2017 and we are proud to say it still looks and functions very well.

Staff Profiles

Chief Mark Keller

Appointed to Division March 1, 1992
 Promoted to Captain June 13, 2007
 Promoted to Chief September 15, 2011
 A.A American Intercontinental University

Staff Duties

Champaign County Fire Chiefs
 Champaign County Communications Center – Operations Board
 Champaign County EMA Executive Board
 Champaign County LEPC Executive Board - Chairman
 Champaign County Homeland Security Executive Board - Chairman
 Champaign County Coordinator-Ohio Fire Chiefs Emergency Response Plan
 Box 13 Liaison

Specialties

Ohio Firefighter Level II	Ohio Paramedic
Fire Service Instructor	Fire Investigator
Certified Fire Safety Inspector	Haz Mat Technician

Assistant Chief Jeff Apser

Appointed to Division March 1, 1992
 Promoted to Assistant Chief January 11, 2012
 BSN Chamberlain College
 A.A.S. Clark State Community College (EMS)
 A.A.S. Clark State Community College (RN)

Staff Duties

Fire Prevention Officer	Training Officer
EMS Officer	Lead Fire Investigator
Digital logistics	

Specialties

Ohio Firefighter Level II	Ohio Paramedic
Haz Mat Technician	CPR Instructor
EMS Instructor	Fire Investigator
Certified Fire Safety Inspector	Child Car Seat Inspector

Captain James Freeman

Appointed to Division June 3, 1985
 Promoted to Captain July 20, 1991
 B.S. University of Cincinnati
 A.A.S. Sinclair Community College

Staff Duties

NFIRS Program Manager	Network Administrator
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Specialties

Ohio Firefighter Level II	Ohio Paramedic
Certified Fire Safety Inspector	Fire Investigator

Captain Jerry Kirk

Appointed to Division March 1, 1992
 Promoted to Captain August 25, 2014
 Bachelor Mortuary Science
 A.A.S. Sinclair Community College

Staff Duties

Maintenance Officer

Specialties

Ohio Firefighter Level II
 Certified Fire Safety Inspector

Ohio Paramedic

Captain Jason Croker

Appointed to Division July 8, 2004
 Promoted to Captain February 13, 2016
 A.A.B Clark State Community College

Staff Duties

Grant Writer

NFIRS/EMSIRS Data Management

Specialties

Ohio Firefighter Level II
 Certified Fire Safety Inspector
 Fire Service Instructor

Ohio Paramedic
 Fire Officer 2
 EMS CE Instructor

FF/PM Dean Edwards

Appointed to Division June 18, 1984
 Senior Firefighter, B Unit

Staff Duties

Haz Mat Program Instructor

Specialties

Ohio Firefighter Level II
 Haz Mat Technician
 Rope Rescue Specialist
 Fire Service Instructor

Ohio Paramedic
 River Rescue Specialist
 Certified Fire Safety Inspector
 SCUBA Diver

FF/PM Brett Evilsizor

Appointed to Division November 3, 1986
 Senior Firefighter, C Unit

Specialties

Ohio Firefighter Level II
 Public Fire Educator
 Fire Investigator

Ohio Paramedic
 EMS Instructor
 Certified Fire Safety Inspector

FF/PM John Dale

Appointed to Division June 1, 1991
 B.S. Urbana University
 A.A. Ohio State University
 Senior Firefighter, A Unit

Specialties

Ohio Firefighter Level II
 Certified Fire Safety Inspector

Ohio Paramedic
 Fire Service Instructor

FF/EMT Ron Lyons

Appointed to Division June 27, 1991

Specialties

Ohio Firefighter Level II
 Certified Fire Safety Inspector

Ohio Emergency Medical Technician-Basic
 Public Fire Educator

FF/PM Barry Wolf

Appointed to Division March 1, 1992

Staff Duties

EMS Logistics

Specialties

Ohio Firefighter Level II
EMS Instructor
PALS InstructorOhio Paramedic
Certified Fire Safety Inspector
Fire Investigator**FF/PM Chris Jones**

Appointed to Division June 1, 1992

Staff Duties

Hydrant Records

UFD Historian

Specialties

Ohio Firefighter Level II
Haz Mat TechnicianOhio Paramedic
City Water System**FF/PM Chris Logan**

Appointed to Division August 9, 1993

Staff Duties

Rescue Coordinator

Confined Space Coordinator

Specialties

Ohio Firefighter Level II
Haz Mat Technician
Certified Fire Safety InspectorOhio Paramedic
Rope Rescue Specialist
Fire Service Instructor**FF/PM Eric Beverly**

Appointed to Division September 25, 1999

Staff Duties

Key Box Coordinator

Vehicle and Equipment Maintenance

Specialties

Ohio Firefighter Level II
Certified Fire Safety Inspector
Fire Safety EducatorOhio Paramedic
Fire Investigator
Bagpiper**FF/PM Brian Joyce**

Appointed to Division May 7, 2002

Specialties

Ohio Firefighter Level II
Haz Mat Tech
Certified Fire Safety InspectorOhio Paramedic
Assistant Fire Instructor**FF/PM Chad Countryman**

Appointed to Division June 11, 2007

Staff Duties

SCBA Maintenance

Union President

Specialties

Ohio Firefighter Level II
Certified Fire Safety Inspector
Auto Extrication TechnicianOhio Paramedic
Haz Mat Technician
Fire Service Instructor**FF/PM Tyler Wolf**

Appointed to Division July 20, 2011

Specialties

Ohio Firefighter Level II
Certified Fire Safety Inspector
Child Car Seat InspectorOhio Paramedic
EMS CE Instructor

FF/PM Ryan Williams

Appointed to Division November 14, 2011
 A.A.S. Sinclair Community College

Specialties

Ohio Firefighter Level II
 Certified Fire Safety Inspector

Ohio Paramedic
 Haz Mat Technician

FF/PM Jonathan De Cola

Appointed September 2, 2014

Specialties

Ohio Firefighter Level II
 Haz Mat Tech

Ohio Paramedic
 Special Needs Program Coordinator

FF/PM Thad Davis

Appointed to Division May 26, 2015

Specialties

Ohio Firefighter Level II
 CPR Instructor

Ohio Paramedic

FF/PM Ralph Bowman

Appointed to Division December 7, 2015

Specialties

Ohio Firefighter Level II
 Fire Service Instructor
 Rope Rescue Operations

Ohio Paramedic
 Certified Fire Safety Inspector
 CPR Instructor

FF/PM Adam Nitchman

Appointed to Division December 21, 2015

Specialties

Ohio Firefighter Level II
 Fire Service Instructor
 Haz Mat Technician

Ohio Paramedic
 Advanced Fire Investigator
 EMS CE Instructor

FF/PM Joseph Hester

Appointed to Division March 14, 2016

Specialties

Ohio Firefighter Level II
 Haz Mat Technician
 Confined Space Technician

Ohio Paramedic
 Rope Rescue Technician
 RTF Member

Chaplin Timothy West

Appointed to Division September 2, 2003
 D. Min. Fuller Theological Seminary
 M.A. University of San Francisco
 M. Div. Church Divinity School of the Pacific
 B.A. University of California at Santa Barbara

Specialties

Licensed Professional Clinical Counselor – Supervisor Counselor
 Licensed Independent Chemical Dependency Counselor – Clinical Supervisor
 National Certified Counselor
 Clinical Incident Stress Management Training
 Training in Mediation, general and divorce mediation
 Member of American Counseling Association
 Ohio Federation of Fire Chaplains

2016 RESIGNATIONS

FF/PM Parker Robison

Appointed July 28, 2014

Resigned August 8, 2016 to go to Marysville Fire Division

Specialties

Ohio Firefighter Level II
Haz Mat Technician

Ohio Paramedic

URBANA FIRE DIVISION

2016 Chaplain's Report

The Chaplain provides support and counseling services to members of the Fire Division and their families as well as the general public as it occurs during the normal course of his duties. The Chaplain is also a licensed clinical counselor in Ohio (at the independent level of practice) and is trained to offer brief crisis interventions and other critical incidents. He serves at the pleasure of the Fire Division Chief. The following list of activities show the range of responses during 2016.

- Conducted CISM debriefing for JSP Fire District at the request of their Chief
- Attended retirement events for members of the Fire Division
- Assisted Sheriff Office deputies and Fire Division personnel at incidents where there are deaths
- Responded to structure fires to assist victims and firefighters
- Follow up with newly retired firefighters

The Chaplain provided 21 hours of direct service to the public and members of the Division as well as over 30 hours of indirect service.

The Chaplain remains a member in good standing of the following organizations:

- Ohio Federation of Fire Chaplains (Advanced Chaplain status)
- International Critical Incident Stress Foundation (clinical member)
- American Counseling Association
- National Association of Certified Counselors

And, maintains the following licenses through a program of continuing education

Licensed Professional Clinical Counselor—Supervisor

Licensed Independent Chemical Dependency Counselor—Clinical Supervisor

National Certified Counselor

I look forward to working with the new hires and the new promotions in the coming year.

Respectfully,

The Rev. Timothy West, D. Min.,

Chaplain

Fire Prevention Bureau

Prepared by Inspector David Torsell

Fire Prevention Bureau

The Urbana Fire Prevention Bureau works diligently in the effort to prevent loss of life and property of our customers. The ravages of fire can be devastating and our common goal is to prevent these fires from happening through proper public education, administration of the fire codes and standards, and early recognition of fire hazards found by conducting regular building inspections. Through these activities, we will reduce the number of fires and limit the severity of those that do occur.

This year was a first for the Fire Prevention Bureau as the Assistant Chief in charge was deployed for military duty. A Code Enforcement / Investigations Manager is filling in for Assistant Chief Asper in his absence and continues with many of the duties assigned to him.

The Bureau consists of the manager and three shift Fire Safety Inspectors (FSI). The shift inspectors work their regular 24 hour shifts and function in their primary positions as firefighter/paramedics in addition to performing as Fire Safety Inspectors.

The following are the duties and responsibilities of the Urbana Fire Prevention Bureau:

- The Manager administers and supervises the operations of the Bureau.

- Manager assists the Fire Chief by completing assigned duties and as an aide on all major incidents.

- Conducts Pre-plan building reviews working in concert with Building Regulations.

- Plans and conducts public safety education.

- Enforces Ohio Fire Codes in accordance with Urbana Ordinance 1505.01.

- Conduct building inspections as required by the codes.

- Conducts building and business consultations for alarms, sprinklers, and fire safety requirements.

- Provides a Safety Officer / Accountability position on major incidents and as assigned by the Chief.

- Oversees the Division BLS and CPR program.

Public Education

The Urbana fire Division has always looked at public safety education as a major factor in keeping our customers and our community safe. When people understand how and why incidents happen, they are more willing to be involved in activities to prevent them. During Fire Prevention weeks in October we provided fire safety education and training to our schools, church groups, and child care facilities. We also provided CPR, first aid and AED training for several area organizations and businesses. We will continue our efforts to keep our City and our customers safe and informed.

Fire Prevention Activities for Fire Prevention Weeks, October 10-21, 2016

October 10th - Madison/ Champaign ESC- 72 children 23 adults

October 11th - South Elementary School- 272 children 14 adults

October 12th – Gingerbread House- 38 children 6 adults

October 13th – YMCA 60 children 15 adults

October 14th – East Elementary 176 children 6 adults

October 17th – East Elementary Special Needs 23 children 7 adults

October 18th – Victory Christian School 47 children 3 adults

October 19th – Head Start 50 children 5 adults

October 20th – Center for Creative Child-care 75 children 6 adults

Pre-k thru 4th Grade in attendance= 1548 children and 85 adults

Inspection Activities

The Fire Prevention Bureau has the responsibility to enforce the Ohio Fire Code as specified in the Urbana Codified Ordinance section 1505.01. The fire code establishes the minimum, yet fundamental, fire safety features, procedures and guidelines concerning fire safety. The code has been developed and continues to be revised, as it has been for the past 177 years, to protect citizen lives and property against major fires.

Due to the co-operative effort of the Champaign County Building Regulations, State Fire Marshal inspectors and the Urbana Fire Division, we have performed hundreds of inspections, re-inspections, consultations, and plan reviews for our local businesses. In addition, we also provide foster home, adoption, day care and home fire safety inspections. We also have a program for distribution of smoke detectors for residents and assist in installation for those customers who are unable to do so themselves.

Our goal is to inspect every business at least yearly. This goal is sometimes far reaching due to plan review, sprinkler and alarm systems acceptance inspections and other fire safety activity. The Bureau does wish to partner with each local business in an effort to correct code violations as economically and efficiently as possible while maintaining a safe and productive environment for owners, employees and visitors of our city.

It will take a concerted effort to achieve the goal of preventing fires in our city, but protecting the historic values we have before us, we can reach our goal by working together.

The Bureau was staffed by Retired Captain David Torsell during the deployment of Asst. Chief Asper. The change took place in May of 2016 and will continue until around July of 2017.

With the aid of shift inspectors there were 48 initial inspections made. 27 re-inspections or follow up inspections were made and the Bureau did 46 consultations. We have been extremely busy with plan reviews, site visits and other Bureau activities which accounts for fewer inspections than the full year in 2015.

We continue to work on new projects with Building Regulations and look forward to the growth we continue to see in our community.

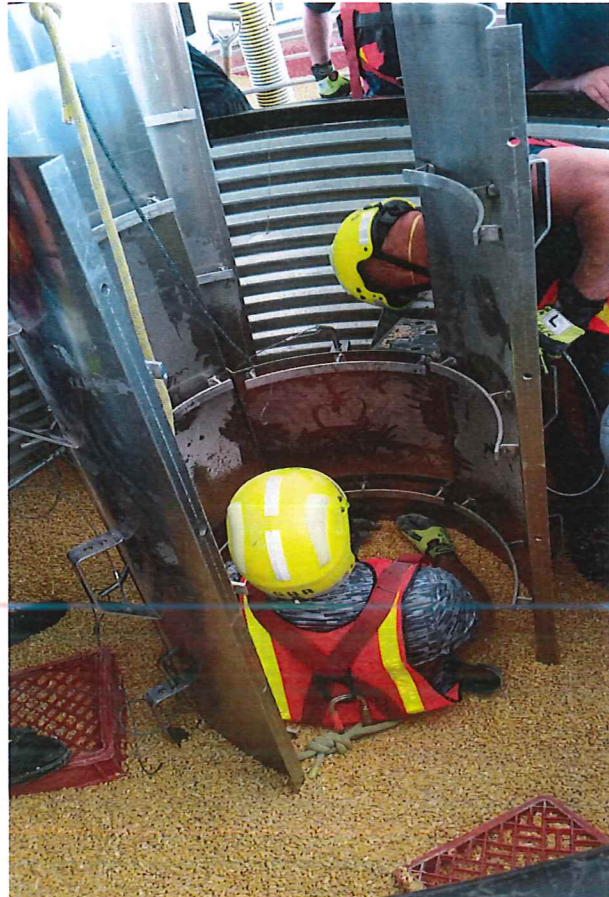
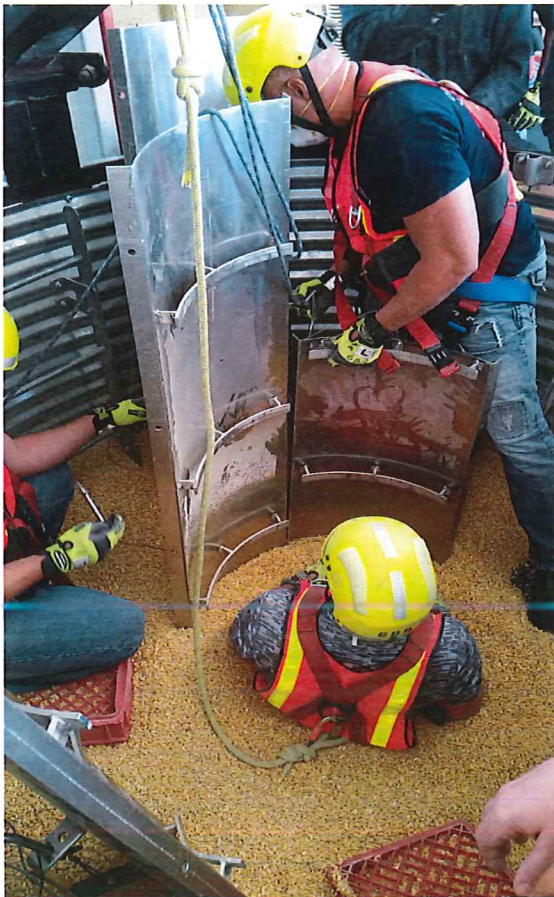
Investigation Activities

The Ohio Fire Code requires the Fire Chief of a Division to investigate or cause to be investigated every fire in Ohio which is outside of its' normal realm. In 2016 we did 24 fire investigations. Several of the investigations are still open pending further findings. We have worked with several private investigation companies as well as the investigators with the State Fire Marshals' office all of which remain great assets to this Bureau. We will continue in our efforts to bring to justice anyone who attempts to damage or harm our customers' property by means of fire.

Training



Ohio Fire Marshall's Grain Bin Rescue Simulator



Training



Car Fire Training



Vehicle Extrication Training

Fire Data

Prepared by Captain James Freeman

Breakdown of Fires and Other Incidents 2016

A. FIRES IN STRUCTURES BY FIXED PROPERTY USE	Number of Fires	Civilian Deaths	Civilian Injuries	Property Damage
1. Private Dwellings	12	0	0	\$106,480
2. Apartments	4	0	0	8,000
3. Hotels and Motels	0	0	0	0
4. All Other Residential	0	0	0	0
5. TOTAL RESIDENTIAL FIRES	16	0	0	\$114,480
6. Public Assembly	0	0	0	\$0
7. Schools and Colleges	1	0	0	0
8. Health Care/Penal	0	0	0	0
9. Stores and Offices	1	0	0	1,000
10. Industry/Utility	1	0	0	0
11. Storage in Structures	2	0	0	42,786
12. Other Structures	1	0	0	6,000
13. TOTAL STRUCTURE FIRES	22	0	0	\$164,266
B. OTHER FIRES AND INCIDENTS				
14a. Highway Vehicles	6	0	0	\$30,946
14b. Other Vehicles	1	0	0	0
15. Non-Structure/Non-Vehicle	6	0	0	1,000
16. Brush/Grass/Wildland	3	0	0	
17. Rubbish/Dumpsters	26	0	0	
18. All Other Fires	0	0	0	0
19. TOTAL FOR FIRES	64	0	0	\$196,212
20. Rescue/Emergency Medical	2,167			
21. False Alarms	69			
22. Mutual Aid	51			
23a. Hazmat Responses	35			
23b. Other Hazardous Responses	47			
24. All Other Responses	216			
25. TOTAL FOR ALL INCIDENTS	2,649			

Note: Property loss totals include contents loss

Breakdown of False Alarm Responses 2016

TYPE OF RESPONSE	Number of Incidents
Malicious, Mischievous False Call	0
System Malfunction	33
Unintentional	32
Other False Alarms	4
TOTAL	69

Leading Fire Causes 1996-2016

The fire cause is the condition or situation that allows a heat source and fuel source to combine and start a fire. This table lists the reported fire causes for the past 21 years.

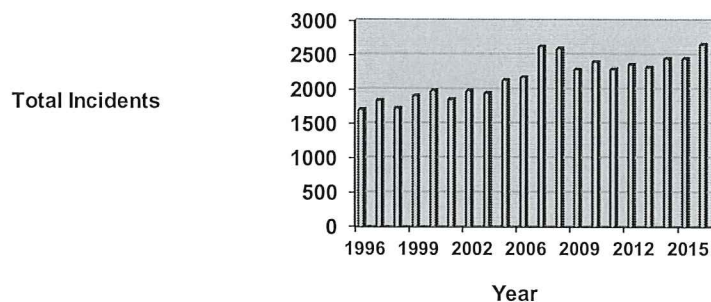
CODE	DESCRIPTION	Percent of All Fires	Total Loss	Percent of Losses
0	Cause, Other	3.83%	\$177,858	1.62%
1	Intentional	7.10%	\$697,294	6.34%
2	Unintentional	42.64%	\$3,479,570	31.65%
3	Failure of Equipment or Heat Source	23.59%	\$1,416,751	12.89%
4	Act of Nature	2.20%	\$56,951	0.52%
5	Active Investigation	7.39%	\$3,613,894	32.87%
U	Undetermined After Investigation	13.21%	\$1,550,838	14.11%

Areas of Fire Origin Summary 1996-2016

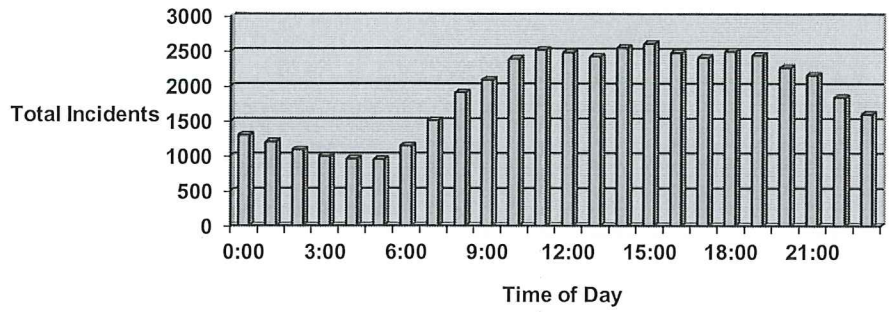
The area of origin describes the primary use of the area where a fire originated in a property. This table indicates the trends over the last 21 years. The top 10 dollar losses are included.

Code	Description	Percent of responses	Dollar Loss
21	Bedroom <5 persons; included are jails	3.83%	\$1,679,873
UU	Undetermined	4.54%	1,640,898
41	Storage room, area, tank or bin	1.20%	1,287,800
24	Cooking area, kitchen	9.23%	1,056,770
61	Machinery room or area; elevator	0.35%	604,600
14	Common room, den, family room, living room, lounge	1.70%	496,526
74	Attic: vacant, crawl space above top story, cupola	2.20%	452,537
47	Vehicle storage area, garage, carport	1.49%	432,866
71	Substructure area or space, crawl space	1.99%	397,910
83	Vehicle engine area, running gear, wheel area	15.35%	397,092

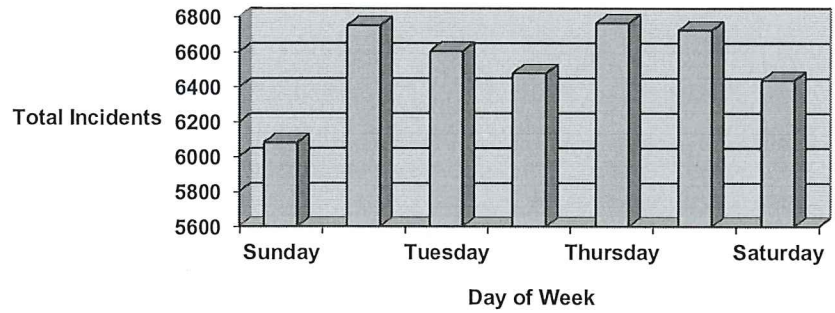
Total Incidents 1996-2016



Alarm Time Analysis 1996-2016



Incidents by Day of Week 1996-2016



2016 Hugh O'Brien Youth (HOBY) Leadership Course



Fire Hose Teamwork Event – Maneuvering the fire hose around cones and then spraying water into a can until the ball inside the can falls out.



Critical Thinking Teamwork Event to get the coffee can from inside the circle to the table without stepping inside the circle

Maintaining Equipment



Annual thorough cleaning of the ladder and stabilizers on Truck 1. The entire ladder is cleaned and inspected.



All ground ladders are tested annually to ensure the ladders perform properly when being used on emergency scenes.

Apparatus and Maintenance

Prepared by Chief Mark E. Keller and Captain James Freeman

MEDIC 1



Owned by: City Of Urbana
Make: Horton Freightliner
Year: 2017 **Age:** 0
Type: Ambulance
Mileage: 0
Condition: Excellent
Primary Use:

Primary vehicle that responds on Emergency Medical Incident including motor vehicle crashes.

Comments:

After several unsatisfactory meetings with Navistar and Rush Truck concerning our previous Medic 1 maintenance costs, we decided our new medic unit would be powered by a Freightliner Chassis. It is still early but so far, this chassis has functioned very well. This new unit was placed in service in November of 2016 and was purchased for \$249,275.88.

MEDIC 2



Owned by: City Of Urbana

Make: Horton International

Year: 2007 **Age:** 9 Years

Type: Ambulance

Mileage: 92,905

Condition: Fair

Maintenance: Cost - \$10,064.85 **Lifetime Cost:** Over \$49,433

Primary Use:

Secondary vehicle that responds on Emergency Medical Incident including motor vehicle crashes.

Comments:

This unit has been very costly over the past 9 years that it has been in service. We placed it in the Medic 2 slot in the hopes that if it is not used as much that we can limp by until it is time to purchase a new unit. This will allow us to maintain a good life cycle for the medic units. When it is time to purchase another new unit we may be able to re-chassis this unit and save money on the cost compared to all new.

MEDIC 3



Owned by: City Of Urbana

Make: Horton International

Year: 2001 **Age:** 15 Years

Type: Ambulance

Mileage: 85,925

Condition: Good

Maintenance: Cost - \$5,698.92 Lifetime Cost - \$22,129

Primary Use:

Third vehicle that responds on Emergency Medical Incident including motor vehicle crashes

Comments:

This vehicle was purchased used in 2009 to update our ambulance fleet. The only difficulty with this unit is the fact that it has air brakes which grab very quickly when applied. This can be difficult on the patient and personnel in the back when transporting.

ENGINE 1



Owned by: City Of Urbana

Make: Pierce

Year: 2004 **Age:** 12 Years

Type: Engine with A 1500 GPM pump; Carries 750 Gallons of water

Mileage: 45,315 **Engine Hours:** 4,398

Condition: Excellent

Maintenance: Cost - \$5,140.43

Primary Use:

Primary pumping fire apparatus that responds to all fires in the City of Urbana and is the primary apparatus responding on all motor vehicle crashes.

Comments:

Engine 1 continues to be a very good vehicle with very few minor mechanical issues. Recently equipped with state of the art rescue and extrication equipment that has the ability to be rapidly deployed.

ENGINE 2



Owned by: City Of Urbana

Make: Grumman/International

Year: 1984 **Age:** 32 Years

Type: Engine with A 1000 GPM pump; Carries 600 Gallons of water

Mileage: 43,627

Condition: **OUT OF SERVICE**

Maintenance: Cost - \$0

Primary Use:

No longer used

Comments:

Engine 2 has never been used as a primary fire apparatus. This vehicle no longer passes pump testing. It would take an estimated cost of \$35,000 to bring this vehicle back to a usable apparatus. The vehicle is not reliable for life safety of citizens or firefighting personnel and is at the end of its life span. It will be sold in 2017

TRUCK 1



Owned by: City Of Urbana

Make: Pierce

Year: 1997 **Age:** 19 Years

Type: Engine with A 1750 GPM pump; Carries 200 Gallons of water
100 foot aerial ladder and standpipe

Mileage: 26,439 **Engine Hours:** 3,279

Condition: Excellent **Aerial Hours:** 1,698

Maintenance: Cost - \$2,764.78

Primary Use:

Responds with Engine 1 on possible commercial and some residential fires

Comments:

Truck 1 has been very beneficial on several downtown, residential and commercial fires and has been used for silo rescues and recoveries. We will begin using this vehicle more in the future in an effort to boost our capabilities and our Insurance Services Office Rating. Mechanically the vehicle is very sound and has had only minor issues to repair.

ENGINE 4



Owned by: Urbana Township

Make: Pierce/International

Year: 1997 **Age:** 19 Years

Type: Engine with A 1250 GPM pump; Carries 1000 Gallons of water

Mileage: 64,315 **Engine Hours:** 4,465

Condition: Good

Maintenance: Cost - \$114.91

Primary Use:

Primary pumping fire apparatus that responds to all fires in Urbana Township, Salem Township and mutual aid fires in rural areas.

Comments:

Engine 4 has been a good vehicle for rural firefighting capabilities. This vehicle is close to reaching its 20 year active service life. Typically, fire apparatus are good for 20 years of active service and can then be put into reserve status for the next 10 years. This vehicle has the possibility of being refurbished which could extend its active life for another 5 years.

TANKER 1



Owned by: Urbana Township

Make: Pierce/International

Year: 2010 **Age:** 6 Years

Type: Engine with A 1250 GPM pump; Carries 2100 Gallons of water

Mileage: 6,124 **Engine Hours:** 732

Condition: Excellent

Maintenance: Cost - \$454.78

Primary Use:

Tanker 1 responds primarily into rural areas and hauls water to the scene of fires.

Comments:

Tanker 1 has been a very good addition to the fleet. The previous tanker had a small 250 GPM pump and was not set up to also function as an engine. This vehicle has hose loaded on it to allow it to be used as a pumping apparatus.

BRUSH 1



Owned by: Urbana Township

Make: Ford F-550 Super Duty 4x4

Year: 2004 **Age:** 12 Years

Type: Brush Truck with 250 GPM pump; Carries 400 Gallons of water

Mileage: 7,389

Condition: Excellent

Maintenance: Cost - \$161.38

Primary Use:

Brush 1 responds on all grass fires, brush fires, field fires or any small fire wither off road or areas with very limited access.

Comments:

Brush 1 is designed to go off road to fight fires. Once the 400 Gallons of water is used, a tanker or engine is used to re-supply water for extended use. This vehicle was used on several field fires in 2015 and proved very beneficial in it's capabilities.

CHIEF 1 VEHICLE (C1)



Owned by: City of Urbana

Make: Ford Police Interceptor Utility

Year: 2013 **Age:** 3 Year

Type: Staff Vehicle

Mileage: 25,635

Condition: Excellent

Maintenance: Cost - \$236.37

Primary Use:

Command vehicle is for all major incidents such as fires, rescues and motor vehicle accidents.

Comments:

This vehicle is equipped as a command vehicle and has the capability to be a command post for large fires. All future staff vehicles will have the same exterior set-up.

CHIEF 2 VEHICLE (C2)



Owned by: City of Urbana

Make: Ford Explorer

Year: 2005 **Age:** 11 Years

Type: Staff Vehicle

Mileage: 113,845

Condition: Fair

Maintenance: Cost - \$42.72

Primary Use:

Command vehicle is for all major incidents such as fires, rescues and motor vehicle accidents. This vehicle is also used for fire investigations and inspections.

Comments:

This vehicle is equipped to conduct fire investigations with special tools. This vehicle is projected to be replaced in 2018.

Utility 1



Owned by: City of Urbana

Make: Ford F-350

Year: 2001 **Age:** 15 Years

Type: Utility Vehicle

Mileage: 99,155

Condition: Fair

Maintenance: Cost - \$158.78

Primary Use:

This vehicle is used to haul equipment and personnel to and from incident scenes. The Utility is used as an EMS chase vehicle to send more personnel to an EMS scene during a medical assist call where the vehicle will be left on scene during transporting of the patient.

Comments:

This is a very handy vehicle to have to save wear and tear on the fire apparatus. This vehicle is also used by the Police Division on occasion to retrieve bikes or other evidence. This vehicle will be replaced in 2017.

REHAB 1



Owned by: City Of Urbana

Make: Horton International

Year: 1998 **Age:** 18 Years

Type: Ambulance

Mileage: 98,406

Condition: Fair

Maintenance: Cost - \$494 Lifetime Cost - \$18,134

Primary Use:

Used as a rehab vehicle and to re-supply the breathing air cylinders.

Comments:

This vehicle responds to major incidents and usually is staffed by Box 13 members to provide a place for firefighters to catch their breath. Rehab 1 is also equipped with a breathing air cascade system and a fill station to fill air cylinders when firefighters come out of a building that is on fire.

HAZ MAT 1



Owned by: City of Urbana

Make: International

Year: 1981 **Age:** 35 Years

Type: Haz Mat Response Vehicle

Mileage: 151,515

Condition: Poor

Maintenance: Cost - \$0

Primary Use:

Haz Mat Response for county haz mat team

Comments:

In 2012, the county fire chiefs took control of the county haz mat team. One of the goals is to acquire trailers to put the haz mat equipment and supplies into for response. This vehicle continues to age and is used very little.

FIRE SAFETY TRAILER



Owned by: City of Urbana

Make: Surrey

Year: 1998 **Age:** 18 Years

Type: Safety Education Trailer

Mileage: N/A

Condition: Good

Maintenance: Cost - \$0

Primary Use:

Fire and storm weather education

Comments:

The Fire Safety Trailer has been an excellent tool to teach both children and adults about fire safety. Over its lifetime so far there have 10s of thousands of participants go through programs. The trailer was updated with new graphics and capabilities for an improved learning environment inside with the assistance of a grant by a local organization, late in 2014.

Medic Unit Construction





Thank you and have a safe 2017