	<b>MEMORANDUM</b>	<b>Issued by:</b>	<b>Issue Date:</b> 3/9/2023
	<b>Subject:</b> Road 25 and Road 187 Fire Analysis	Chief Ben Lovell, OFC	<b>Page 1 of 2</b>
	<b>Special Notes:</b>		

Fire Chief's Take Away Message

**These two structure fires, both in Harmony Township, both three days apart, provide empirical evidence of the need for on-duty firefighters in both Marengo and Chesterville fire stations, 24/7/365.**

After a preliminary review of the 911 recordings, 911 data sheets, and my vehicle Dashcam, I am releasing the initial results of the two fires we experienced in our district last month.


	Road 25	Road 187
Date of incident	February 24, 2023	February 27, 2023
Clock time of initial dispatch	6:30 AM	2:55 PM
Firefighters in station at Marengo Station 1	No	Yes, 4
Firefighters in station at Chesterville Station 2	No	No
Distance from Marengo Station 1 to scene	6.3 miles	3.4 miles
Distance from Chesterville Station 2 to scene	4.7 miles	7.6 miles
Drive time from Marengo Station 1 to scene	9 min	5 min
Drive time from Chesterville Station 2 to scene	6 min	14 min
First BWJFD fire apparatus out the door after dispatch	22 min 6 sec	2 min 54 sec
Travel time for first BWJFD fire apparatus on scene	6 min 29 sec	9 min 38 sec
Number of BWJFD firefighters on scene in first 15 min	1	7
Travel time for first mutual aid fire apparatus on scene	18 min 6 sec	17 min 28 sec
Time between first BWJFD and next mutual aid apparatus on scene	+ 4 minutes	- 11 min 22 sec
Structure fire building damage assessment	Total loss	Cosmetic damage to exterior, small damage to interior kitchen ceiling, repair time estimated 30-45 days
Injuries or fatalities	1 death	0 injured / deaths



Road 25 Fire screenshot from Chief's DashCam



Road 187 photo from investigation

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After reviewing both structure fires and their outcomes, the following can be reasonably assumed:

- Marengo and Chesterville fire stations are the closest and most appropriate fire stations to respond into Harmony Township.
- Early morning fire responses are difficult times for both BWJFD and other mutual aid fire departments to get an effective response.
- When firefighters are on duty in the fire station, the out-the-door time is significantly reduced.
- When firefighters are on duty at the fire station, the arrival time is significantly reduced.
- An on-duty crew in Chesterville would have arrived at the Road 25 fire in less than 9 minutes from the 911 call and would have increased the victim's chance of survival.
- The first 4 BWJFD members who responded to the Road 25 fire were:
  - Level 2 FF (Chief Lovell) arrived in 9 minutes and 16 seconds
  - Level 1 FF with 3 months experience arrived in 22 minutes, 6 seconds
  - Fire Cadet (no formal training certifications) arrived in 38 minutes and 26 seconds
  - Level 2 FF who arrived 40 minutes after dispatch.
- The on-duty crew in Marengo provided a faster response to Road 187 fire which resulted in less property damage and no civilian casualties.