



**Ohio Attorney General's Office
Bureau of Criminal Investigation
Investigative Report**



2024-3954
Officer Involved Critical Incident - 3487 Belmont Avenue,
Youngstown, Ohio, 44505

Investigative Activity: OOCIC Video Review
Involves: [REDACTED] (S) Jason A. Cain (S)
Activity Date: 03/26/2025
Activity Location: BCI - Richfield
Authoring Agent: SA Joseph Goudy

Narrative:

On Monday, March 24, 2025, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Joseph Goudy (Goudy) received disks and documents from the Ohio Organized Crime Investigations Commission (OOCIC). SA Goudy had previously sent video recordings (Reference Item #A) to OOCIC from dash and body worn cameras received from the Liberty Township Police Department. OOCIC was requested to perform various enhancements of the submitted video as detailed below.

On March 26, 2025, SA Goudy reviewed and completed a timing analysis of the video footage recorded on the dash cameras from the LTPD vehicles on scene during the officer involved shooting incident. For this review and timing calculation, SA Goudy utilized the OOCIC video file titled 25-00005 Dash Cam Presentations.

SA Goudy reviewed the documents from OOCIC. The documents were:

1. OOCIC Evidence Submission Form 25-00005

This document was the submission sheet created to submit the video recordings to OOCIC. It also documented the creation of data disks by OOCIC.

2. OOCIC Chain of Custody Report 25-00005

This document was the chain of custody for OOCIC.

3. OOCIC Curriculum Vitae 25-00005

This document was the curriculum vitae for OOCIC Analyst Dave Loomis.

4. OOCIC Forensic Video Analysis Report 25-00005

The report was authored by OOCIC Analyst Dave Loomis.

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Disclaimer and Additional Factors to Consider When Evaluating Video

The speed of the incident is remarkable. The speed and complexity of rapidly evolving situation(s) that occur during use of force encounters are difficult concepts to comprehend by only watching the video or listening to the audio recording.

Video and audio recording devices also record more information about a particular scene or incident than the person(s) involved in the incident can process during the critical incident. Video and audio recording devices rarely record an event from the same perspective of the officer or subjects involved. It captures the action but not the perception, decision-making, focus or intent of the officer. Video recordings often miss tactile cues or other actions of a subject.

Video and audio recording devices record within the video and sound capabilities available, and they record objectively. Video and audio recordings lack the history, perspective, and interest of the people involved. The positions, angles, obstacles, lighting, and distance from the incident are also factors that need serious consideration.

Video and audio recordings are only components of an investigation and should not be the only evidence relied upon. All available evidence, statements and other information must be evaluated alongside the video recordings available.

Due to audio recording limitations, the speed at which sound travels, the distance of the recording device from the originating location of the sound, the size and density of objects positioned between the recording device and the location of a sound, and various other environmental factors, sounds heard on a recording may not be definitively identified.

Throughout this report the percussion sounds consistent with the sound of gunfire may be referred to as gunshots or gunfire. It should be noted that those references are based on the totality of corroborating information and evidence gathered throughout this investigation.

Methods and Process

SA Goudy utilized the audio waveform effect to help identify sounds and when they occurred within the video production, specifically when reviewing the video frame by frame.

The frame counter was used to count frames between significant events identified within the recording.

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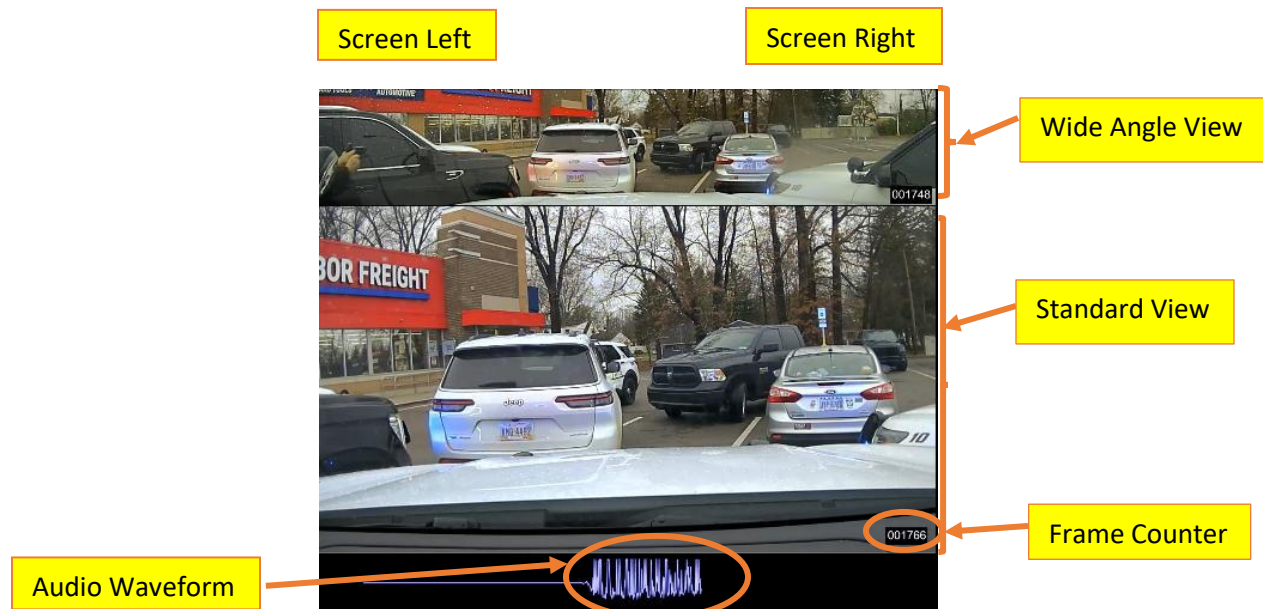
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The video/audio production indicated the video contained 59.94 (60) frames per second. Time was calculated by dividing 1 second by 60 frames. The quotient revealed each frame represented 0.01666666 seconds. Using this calculation, the amount of time that transpired between significant events can be approximately calculated by multiplying the number of frames captured between the events by the amount of time each frame represented (0.01666666). The product is the approximate amount of elapsed time. For this review, SA Goudy rounded the product to the nearest hundredth place decimal (example 0.46666662 was rounded to 0.47 seconds).

Sounds were depicted through the audio waveform which traveled horizontally from the screen right to the screen left. As sound increased so did the number of waves depicted. When a sound first became audibly detectable, the waveform began to increase in frequency on the right side of the screen (See Figure 1). For this reason, SA Goudy identified the frames depicting significant events as the first frame displaying an increase in frequency on the waveform.

SA Goudy reviewed the data disks created by OOCIC and noted the following:



(Figure 1)

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The video was reviewed using VLC player. Images included within this report were captured with the VLC screen capture feature. They were saved as .PNG images and attached to this report.

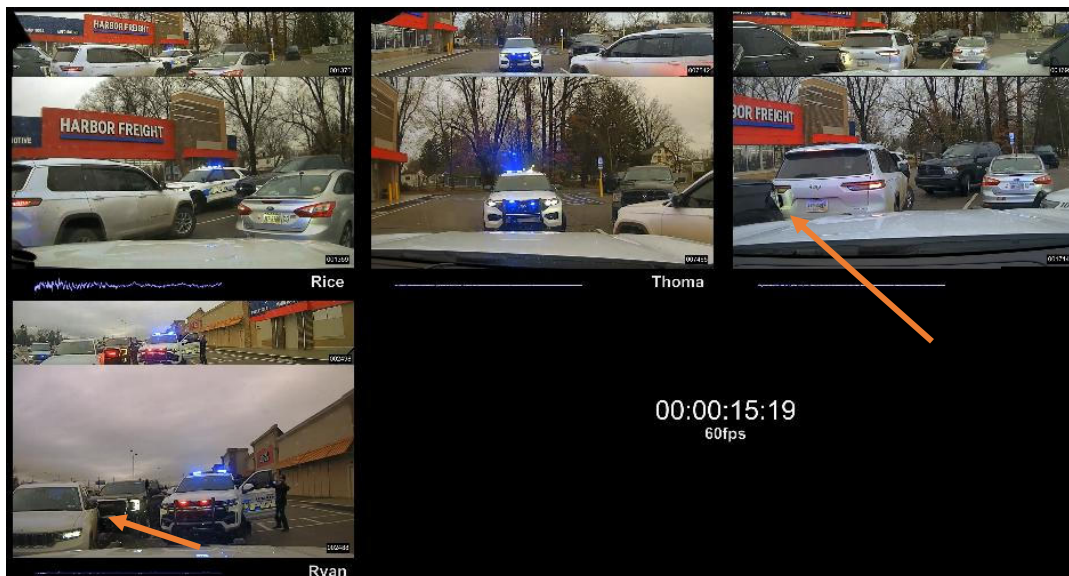
Video Review

OOCIC Forensic Video Analyst (FVA) Dave Loomis indicated that the video presentation was playing at 60fps (frames per second). He included audio waveforms, frame counters, and a timecode in the video presentation.

The video presentation was 00:35 long. The timecode (TC) included in the presentation indicated the dash camera video file began at 00:00:00:00 and ended at 00:00:12:30. The dash camera was a viewpoint camera mounted inside each LTPD marked vehicle.

The footage began with LTPD marked and unmarked vehicles driving towards the reported stolen white Jeep Cherokee (Jeep) while it was parked in a parking spot in front of the Harbor Freight store. The LTPD vehicles used a commonly used law enforcement tactic of surrounding the Jeep to prevent it from fleeing.

At TC 00:00:15:19 the Jeep backed into the unmarked LTPD vehicle driven by Captain Ray Buhalla (Buhalla).



(Figure 2: Sequential views from the 4 LTPD dash cameras.)

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At TC 00:00:17:03, in figure 3, a percussion sound was captured audibly on the audio waveform at frame #001766 of [REDACTED] vehicle. Four frames later (001770) a defect appeared on the back windshield of the Jeep, which was consistent with [REDACTED] slide of his gun going backwards indicating his weapon was discharged.



(Figure 3)



(Enlarged area of defect in window and slide going back on handgun)

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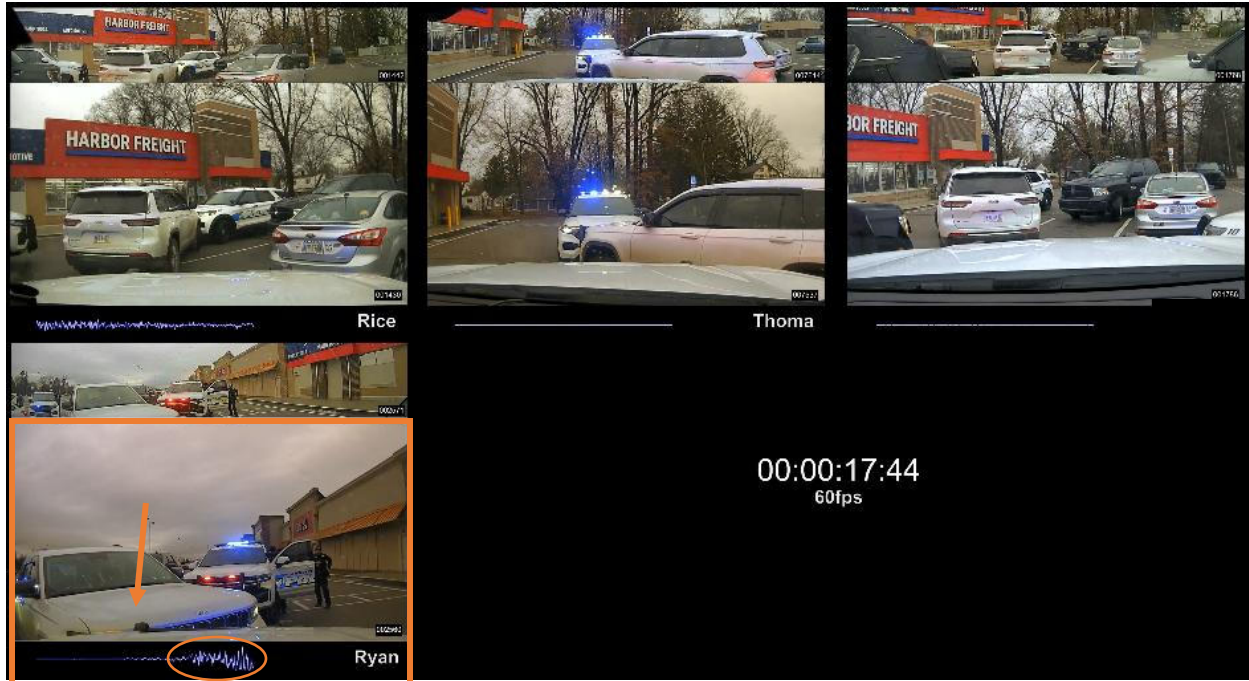
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At TC 00:00:17:44, in figure 4, a percussion sound was captured audibly on the audio waveform at frame #002560 of Officer Ryan's vehicle. This was consistent with the Jeep driving into the front left corner of the marked LTPD vehicle.



(Figure 4)

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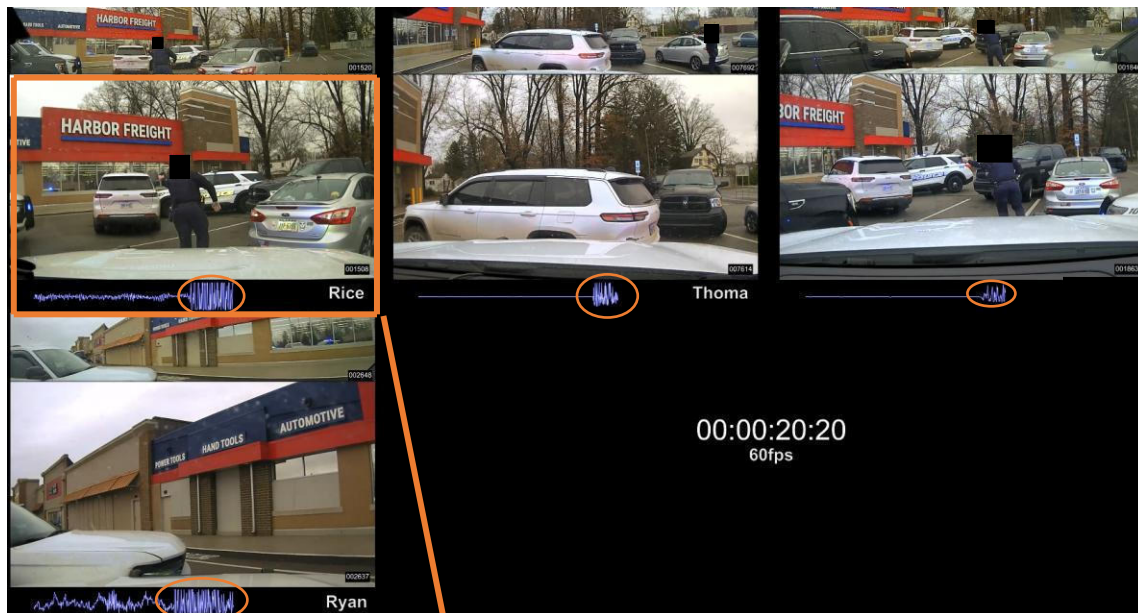
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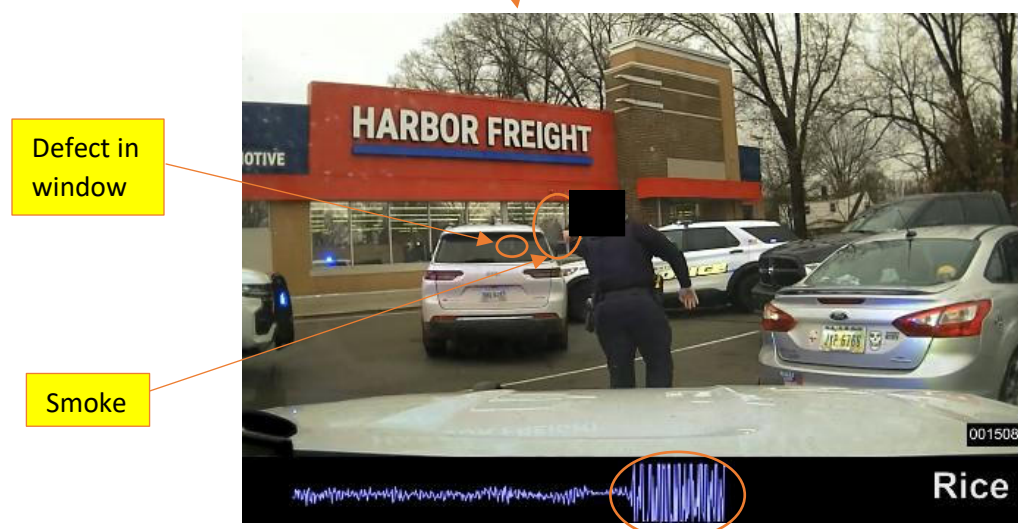
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At TC 00:00:20:20, in figure 5, a second percussion sound was captured audibly on the audio waveform at frame #001508 of Officer Brandon Rice's dash camera viewpoint. Smoke from [REDACTED] duty weapon was observed along with another defect in the rear window of the Jeep.



(Figure 5)



(Enlarged Area)

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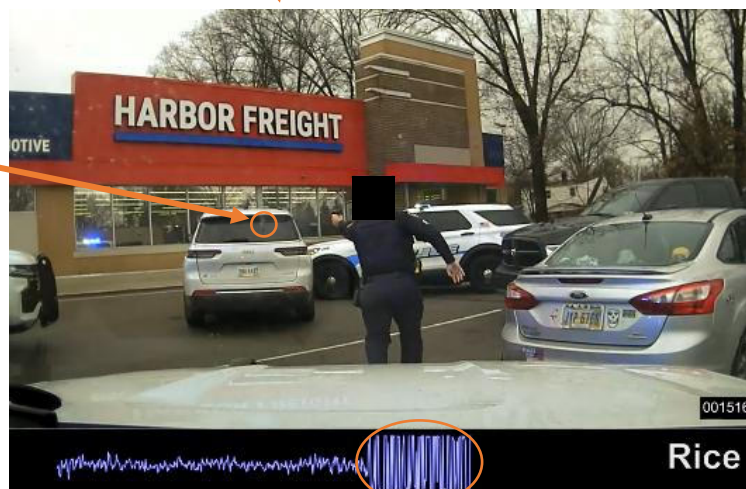
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At TC 00:00:20:36, a third percussion sound was captured audibly on the audio waveform at frame #001516 of Officer Brandon Rice's dash camera viewpoint in addition to another defect in the rear window.



(Figure 6)

Defect in
window



(Enlarged Area)

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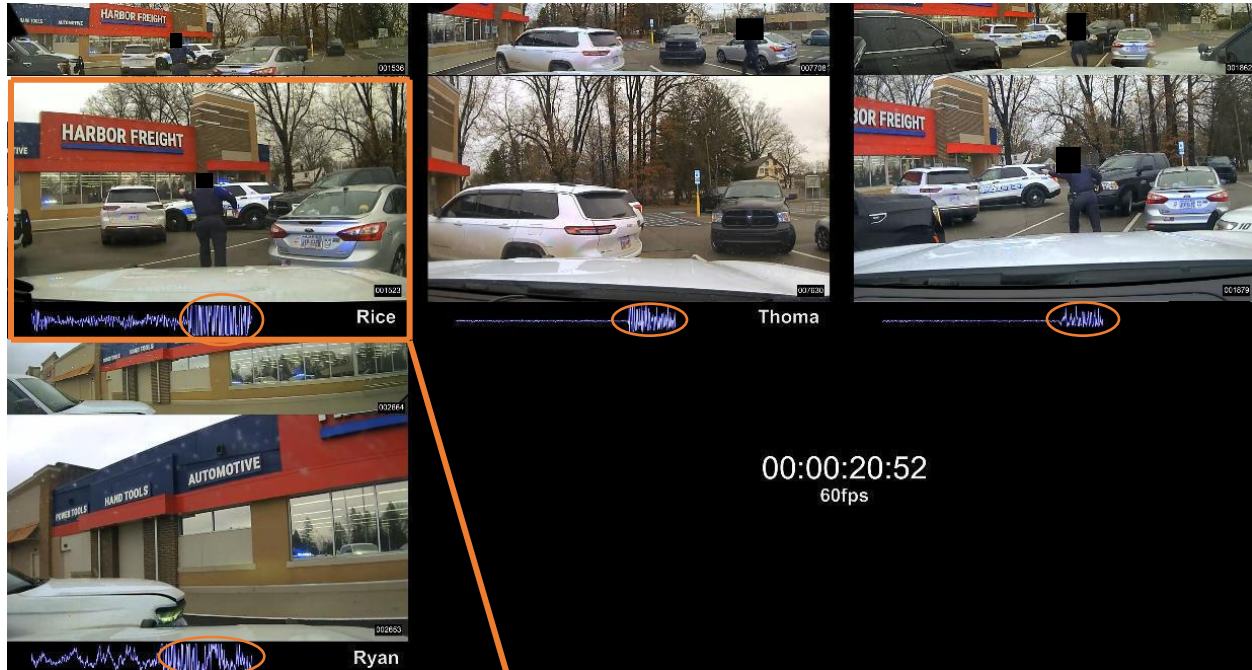
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At TC 00:00:20:52, a fourth percussion sound was captured audibly on the audio waveform at frame #001523 of Officer Brandon Rice's dash camera viewpoint in addition to another defect in the rear window.



(Figure 7)



(Enlarged Area)

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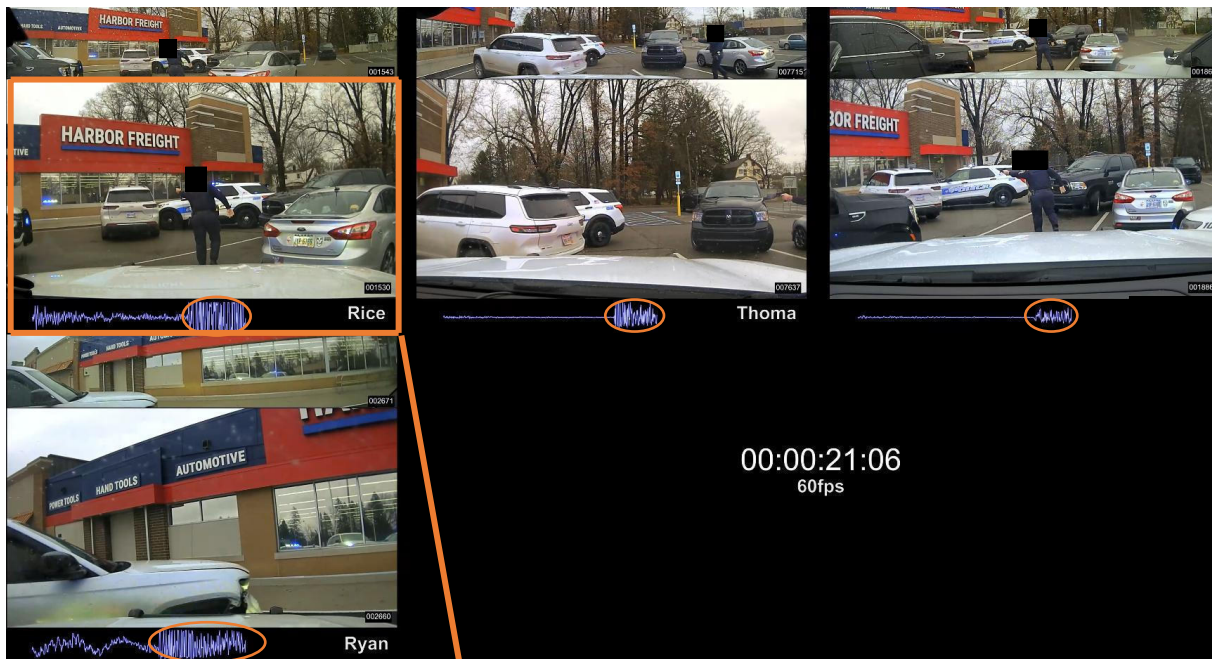
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At TC 00:00:21:06, a fifth percussion sound was captured audibly on the audio waveform at frame #001530 of Officer Brandon Rice's dash camera viewpoint. A defect appeared at the seam of the lower portion of the rear window and the tailgate. A portion of the rear window crumbled.



(Figure 8)



(Enlarged Area)

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Soon after the last percussion, the Jeep drove into the front wall of the Harbor Freight store.

Timing Analysis

SA Goudy identified 7 significant events. Five of the events appeared to be gunshots fired by [REDACTED]. They were identified based on the best available visual and audio cues. The frame numbers depicting these 7 events were noted and placed in a spreadsheet. The number of frames between each of the events was counted and then multiplied by 0.01666666 to identify the approximate amount of time that elapsed between each event. The spreadsheet created for the timing calculation was titled "OOCIC Video Presentation - Frame and Time Calculations," and has been attached to this report.

Based on the data gathered from this video production, the approximate amount of time elapsed between significant events was calculated:

- 1.73 seconds elapsed from the first significant event (frame #00:00:15:19) of the Jeep backing into the black unmarked LTPD vehicle to when the first gunshot occurred (TC 00:00:17:03).
- 0.68 Seconds elapsed from when the first gunshot was fired to when the Jeep struck Officer Ryans vehicle (TC 00:00:17:44)
- 3.34 seconds elapsed from when the Jeep stuck Officer Ryans vehicle to the fifth gunshot (TC 00:00:21:06).

The table below depicts the approximate time that elapsed between the significant events:

Back Into Vehicle	1st Gunshot	Drive into Vehicle	2nd Gunshot	3rd Gunshot	4th Gunshot	5th Gunshot
Frame 00:00:15:19	Frame 00:00:17:03	Frame 00:00:17:44	Frame 00:00:20:20	Frame 00:00:20:36	Frame 00:00:20:52	Frame 00:00:21:06
Start	1.73 Seconds	0.68 Seconds	2.59 Seconds	0.26 Seconds	0.26 Seconds	0.23 Seconds
Total Time Elapsed						
5.75 Seconds						

The images above correspond to the frame numbers identified in the timing analysis. They have been attached to this report. The images in this report are for demonstrative purposes only.

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The documents received from OOCIC were submitted to the electronic BCI case file and were attached to this report. The disks received from OOCIC were submitted to the physical BCI case file as item J for reference only.

References:

Ref Item J – OOCIC Video Presentation

Attachments:

1. OOCIC Presentation – Frame and Time Calculation
2. OOCIC Video Review Snippets
3. OOCIC Submission #25-0005
4. OOCIC Chain of Custody #25-0005
5. OOCIC Report #25-0005

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