



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



2026-0255
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

Investigative Activity: OOCIC Video Review
Involves: (S)
Activity Date: 04/07/2026
Activity Location: BCI – Richfield 4055 Highlander Parkway, Richfield, OH
Authoring Agent: SA Jesse Bynum #179

Narrative:

On Monday, April 06, 2026, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Jesse Bynum (Bynum) received disks from the Ohio Organized Crime Investigations Commission (OOCIC). SA Bynum had previously sent video recordings (Reference Item #C Incident Video) to OOCIC from surveillance, dash, and body worn cameras received from the Elyria Police Department (EPD). OOCIC was requested to perform various enhancements of the submitted video as detailed below.

On April 7, 2026, SA Bynum reviewed and completed a timing analysis of the video footage recorded on the surveillance, dash, and body worn cameras on scene during the officer involved shooting incident. For this review and timing calculation, SA Bynum utilized the OOCIC video file titled 26-00031 Timeline Presentation.

SA Bynum reviewed the documents from OOCIC. The documents contained in a pdf labeled 26-00031 were:

1. OOCIC Evidence Submission Form 26-00031

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 26-00031

This document was the chain of custody for OOCIC.

3. OOCIC Curriculum Vitae 26-00031

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

4. OOCIC Forensic Video Analysis Report 26-00031

The report was authored by OOCIC Analyst David Loomis.

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



2026-0255
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

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 Bynum 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.

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

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

The video/audio production indicated the video contained 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 Bynum 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 Bynum identified the frames depicting significant events as the first frame displaying an increase in frequency on the waveform.

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

-  23-00031 Raw Images
-  26-00031 Clarified Images
-  26-00031 Hash Values
-  26-00031 Video Presentations

The folder labeled **23-00031 Raw Images** contained two files labeled **2026-01-21_BWC_██████████(EL██████).mp4.50650.Still001.tif** and **2026-01-21_BWC_██████████(EL██████).mp4.50650.Still002.tif**. The folder labeled **26-00031 Clarified Images** contained two files labeled **2026-01-21_BWC_██████████(EL██████).mp4.50650.Still001_Clarified.tif** and **2026-01-21_BWC_██████████(EL██████).mp4.50650.Still002_Clarified.tif**. The folder labeled **26-00031 Hash Values** contained four files labeled **26-00031 Clarified Images SHA256 Hash Values.csv**, and **26-00031 Item 001 SHA256 Hash Values.csv**, **26-00031 Raw Images SHA256 Hash Values.csv**, and **26-00031 Video Presentations SHA256 Hash Values.csv**. The folder labeled **26-00031 Video Presentations** contained two files labeled **26-00031 Timeline Presentation.MP4** and **26-00031 Timeline Segment Presentation - Speed Views.mp4**.

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

In review of the file **2026-01-21_BWC_██████████(EL██████████.mp4.50650.Still001.tif**. produced by OOCIC SA Bynum noted the image was a still image from Body Worn Camera (BWC) of ██████████ as shown below in figure 1.



(Figure 1)

In review of the file **2026-01-21_BWC_██████████(EL██████████.mp4.50650.Still001_Clarified.tif**. produced by OOCIC SA Bynum noted the image was an enhanced version of the image in figure 1. The image was lightened, showing John Johnson as ██████████ was opening the door to the residence as shown below in figure 2.



(Figure 2)

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



2026-0255

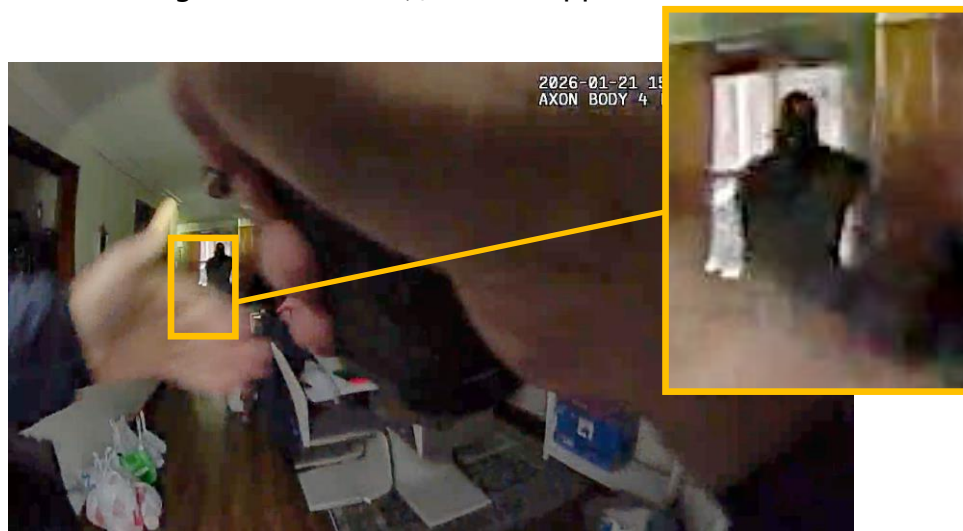
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

In review of the file **2026-01-21_BWC_██████████(EL██████████.mp4.50650.Still002.tif**. produced by OOCIC SA Bynum noted the image was a still image from BWC of ██████████ as shown below in figure 3.



(Figure 3)

In review of the file **2026-01-21_BWC_██████████(EL██████████.mp4.50650.Still002_Clarified.tif**. produced by OOCIC SA Bynum noted the image was a still image from BWC of ██████████ as shown below in figure 4. In the lightened version, Johnson appeared to be in a “weaver style” stance.



(Figure 4)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

In review of the files **26-00031 Clarified Images SHA256 Hash Values.csv**, **26-00031 Item 001 SHA256 Hash Values.csv**, **26-00031 Raw Images SHA256 Hash Values.csv**, and **26-00031 Video Presentations SHA256 Hash Values.csv** produced by OOCIC SA Bynum noted that all contained an Identification number, a file name, the file path, a hash value, and a file size. These files will be maintained in Axon Justice for chain of custody and verification if needed.

In review of the file **26-00031 Timeline Presentation.MP4** produced by OOCIC SA Bynum noted that multiple video sources into one view as shown below in figure 5 with further detail in figure 5.1.



(Figure 5)



(Figure 5.1)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

The videos were uploaded to Axon Justice/Evidence.com as Reference Item F - OOCIC Video Review and viewed using that platform. Images included within this report were captured with the marker feature. They were saved as .PNG images and attached to this report.

Video Review

OOCIC Forensic Video Analyst (FVA) David 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 00:37:04 long. The timecode (TC) included in the presentation indicated the dash camera video file began at 00:00:00:00 and ended at 00:36:59:00. The surveillance camera had a viewpoint from 24466 Clareshire Unit J at an elevation of the 2nd story window located above the garage. The doorbell camera was a viewpoint from 24496 Clareshire Unit F located on the left side of the door opening. The dash camera was a viewpoint camera mounted inside each EPD marked vehicle. The Body Worn Cameras (BWC) were mounted in the center of the chests of BWC wearing EPD officers.

The footage began with EPD marked and unmarked vehicles pursuing a black Honda HRV (Honda) that was suspected of being utilized to flee the scene of a robbery of a Brinks employee. At TC 00:26:45:56 the Honda stopped, and Johnson exited it shown in Figure 6.

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070



(Figure 6: Johnson exiting stopped Honda)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

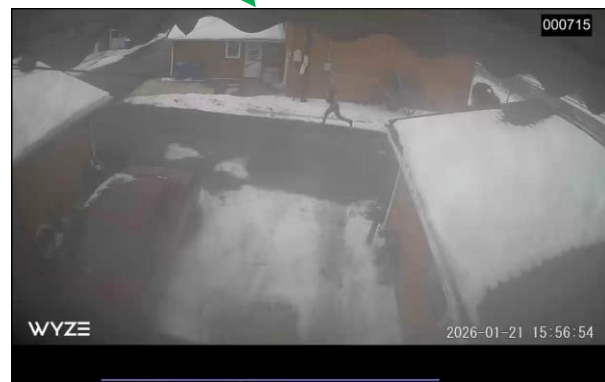
At TC 00:26:56:52, in figure 7, Johnson was observed running past 24466 Clareshire Unit J while Alia Aboalodos (Aboalodos) and her children were taking groceries inside of her residence located at 24496 Clareshire Unit F.



(Figure 7 Johnson running past 24466 Clareshire)



(Figure 7.1 Aboalodos Children)



(Figure 7.2 Johnson)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:01:11, in figure 8, Johnson was observed running towards 24496 Clareshire Unit F at frame #000605 of Aboalodos doorbell camera.



(Figure 8 Johnson running towards 24496 Unit F)

At TC 00:27:16:53, in figure 9, [REDACTED] was observed at frame #050648 of [REDACTED] BWC viewpoint. [REDACTED] kicked the door open and Johnson was observed backlit by a window.



(Figure 9)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:17:43, in figure 10, a percussion sound was captured audibly on the audio waveform at frame #050673 (approximate) of [REDACTED] BWC camera viewpoint. [REDACTED] duty weapon was observed with the slide moving rearward.



(Figure 10)



(Figure 10.1 Enlarged Area)

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



2026-0255

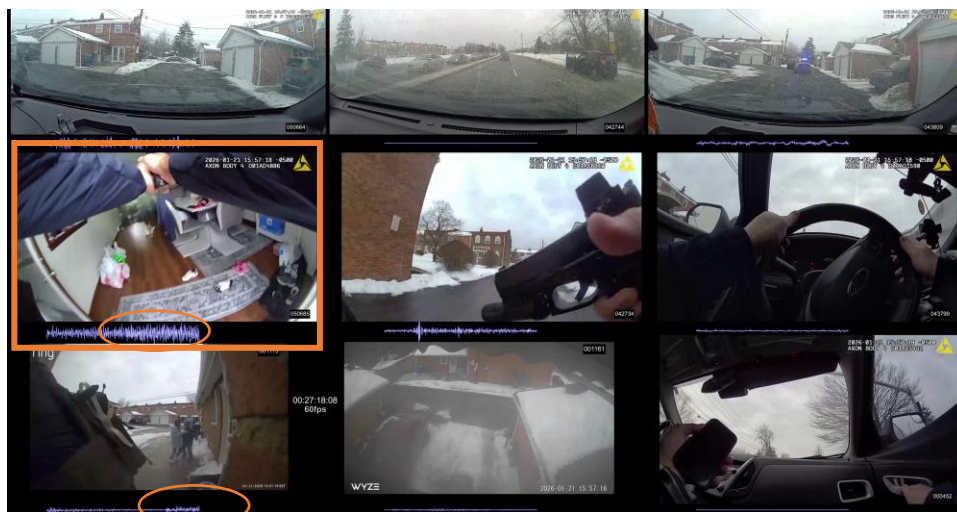
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:17:56, in figure 11, a second percussion sound was captured audibly on the audio waveform at frame #050679 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 11)

At TC 00:27:18:08, in figure 12, a third percussion sound was captured audibly on the audio waveform at frame #050685 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 12)

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



2026-0255

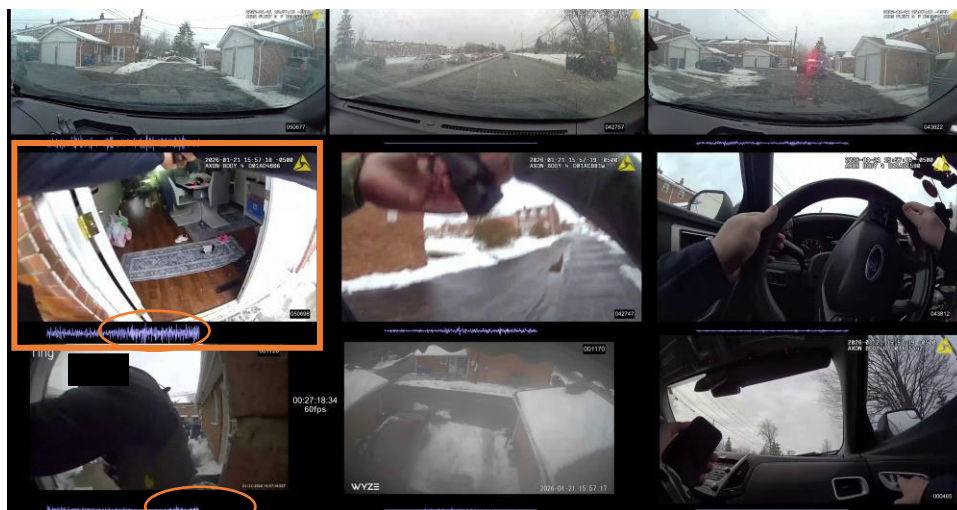
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:18:22, in figure 13, a fourth percussion sound was captured audibly on the audio waveform at frame #050692 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 13)

At TC 00:27:18:34, in figure 14, a fifth percussion sound was captured audibly on the audio waveform at frame #050698 (approximate) of [REDACTED] BWC camera viewpoint. [REDACTED] duty weapon was observed with the slide moving rearward.



(Figure 14)

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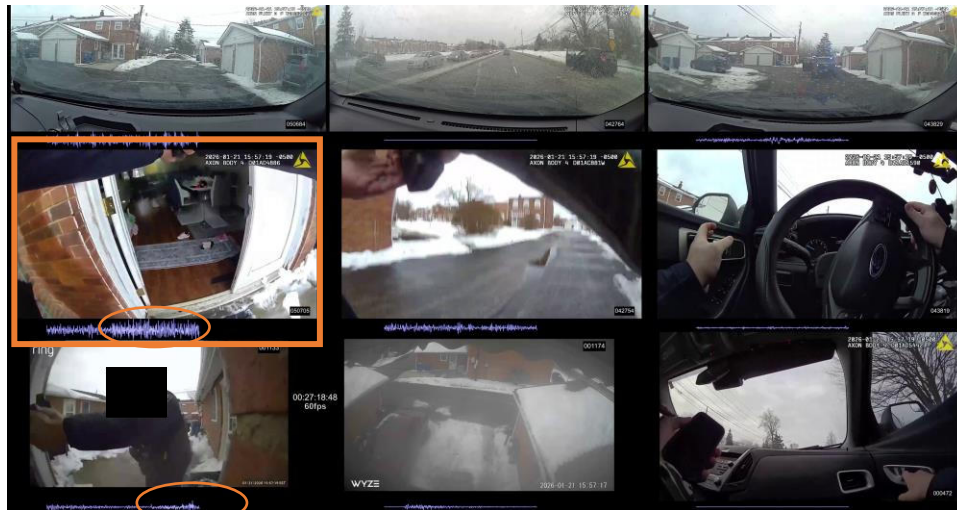
Ohio Attorney General's Office
Bureau of Criminal Investigation
Investigative Report



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:18:48, in figure 15, a sixth percussion sound was captured audibly on the audio waveform at frame #050705 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 15)

At TC 00:27:19:01, in figure 16, a seventh percussion sound was captured audibly on the audio waveform at frame #050712 (approximate) of [REDACTED] BWC camera viewpoint. [REDACTED] duty weapon was observed with the slide moving rearward.



(Figure 16)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:19:13, in figure 17, an eighth percussion sound was captured audibly on the audio waveform at frame #050718 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 17)

At TC 00:27:19:24, in figure 18, a ninth percussion sound was captured audibly on the audio waveform at frame #050723 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 18)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:19:37, in figure 19, a tenth percussion sound was captured audibly on the audio waveform at frame #050730 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 19)

At TC 00:27:19:48, in figure 20, an eleventh percussion sound was captured audibly on the audio waveform at frame #050735 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 20)

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:20:01, in figure 21, a twelfth percussion sound was captured audibly on the audio waveform at frame #050742 (approximate) of [REDACTED] BWC camera viewpoint.



(Figure 21)

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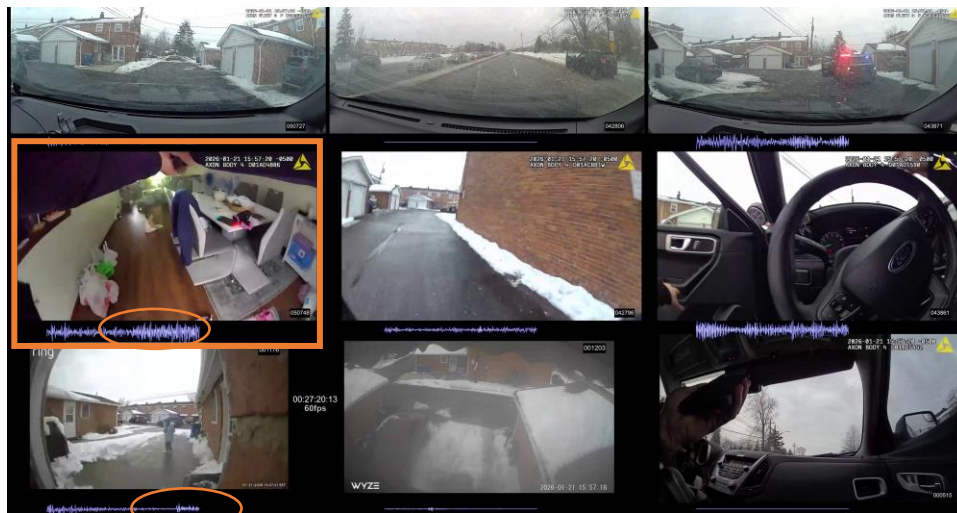
**Ohio Attorney General's Office
Bureau of Criminal Investigation
Investigative Report**



2026-0255

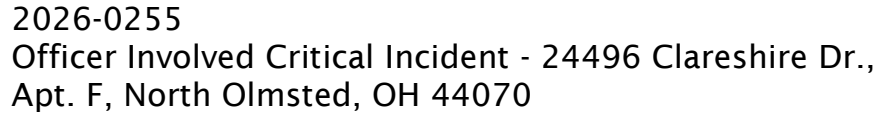
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

At TC 00:27:20:13, in figure 22, a thirteenth percussion sound was captured audibly on the audio waveform at frame #050748 (approximate) of [REDACTED] BWC camera viewpoint. [REDACTED] duty weapon was observed with the slide moving rearward.



(Figure 22)

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At TC 00:27:20:39, in figure 24, a fifteenth percussion sound was captured audibly on the audio waveform at frame #050761 (approximate) of [REDACTED] BWC camera viewpoint.



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



2026-0255
Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

Soon after the last percussion, [REDACTED] was observed ejecting a live round and then changing the magazine with a full one.

Timing Analysis

SA Bynum identified significant events with fifteen of the events that appeared to be gunshots fired by [REDACTED]. They were identified based on the best available visual and audio cues. The frame numbers depicting these fifteen 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:

- Approximately 0.749 seconds elapsed from the first significant event (frame #50648, TC 00:27:16:53) of [REDACTED] kicking the door of the residence to when the first gunshot occurred (TC 00:27:17:43).
- Approximately 3.85 seconds elapsed from when the door was kicked in to the fifteenth gunshot (frame # 050761, TC 00:27:20:39).

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

Row 2 contains an Image # and a Frame #. Each IMAGE # in Row 2 corresponds to the images within the report and the frame # depicted in that image.

The numbers separated by colons within each cell correspond to a Frame #. They do not indicate time.

Method for Time Calculation

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

Event	Gunshot #1	Gunshot #2	Gunshot #3	Gunshot #4	Gunshot #5	Gunshot #6	Gunshot #7	Gunshot #8	Gunshot #9	Gunshot #10	Gunshot #11	Gunshot #12	Gunshot #13	Gunshot #14	Gunshot #15
Frame	00:27:17:43	00:27:17:55	00:27:18:11	00:27:18:27	00:27:18:40	00:27:18:56	00:27:19:06	00:27:19:16	00:27:19:27	00:27:19:39	00:27:19:54	00:27:20:06	00:27:20:20	00:27:20:34	00:27:20:49
Time	0.75 Seconds	0.20 Seconds	0.27 Seconds	0.27 Seconds	0.22 Seconds	0.27 Seconds	0.17 Seconds	0.17 Seconds	0.18 Seconds	0.20 Seconds	0.25 Seconds	0.20 Seconds	0.23 Seconds	0.23 Seconds	0.25 Seconds
Total Time Elapse															
3.85 Seconds															

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



2026-0255

Officer Involved Critical Incident - 24496 Clareshire Dr.,
Apt. F, North Olmsted, OH 44070

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.

The documents received from OOCIC were uploaded and attached to this report. The disks received from OOCIC were uploaded to the Axon Justice case file as Reference Item F – OOCIC Video Presentation. The Video Review Markers created during the review are stored in Axon Justice in the Reference Item F folder inside of a subfolder of OOCIC, labeled Markers. A PDF list of markers identified has been attached to this report titled "2026-0255 Marker_Report".

References:

Reference Item F – OOCIC Video Presentation – stored in Axon Justice

Attachments:

1. OOCIC Presentation – Frame and Time Calculation
2. OOCIC Submission, Chain of Custody, Report 26-00031
3. OOCIC Timeline Presentation Marker Report

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DAVE YOST

OHIO ATTORNEY GENERAL



Laboratory Evidence Submission				Date/Time Received:		BCI Case Number:			
Received By: Nissa Low				03/11/2026 10:21 am Wednesday		26-00031			
Receiving Lab: OCIC - Ohio Organized Crime Investigations Com									
New Case ☒		ADD'L (If checked, provide BCI Case No)		Agency Case Number:					
				2026-0255					
Case Type:		Date of Offense:		Location of Offense:		County of Submitting Agency:			
Shooting Involving an Officer		01/21/2026		North Olmstead, Ohio		Summit County			
Subject(s): (First, MI, Last Name)		In Custody	Charged	Trial Date	Grand Jury	Arrest #	BCI #	Sex	DOB
Victim(s): (First, MI, Last Name)					State ID #	BCI #	Sex	DOB	
Submitting Agency Name/ORI: BCI / Richfield OHBCI0000 Mailing Address: 4055 Highlander Parkway Richfield, OH 44286					Investigating Officer Name: Jesse Bynum				
					Investigating Officer Phone: (330) 636-1021				
					Investigating Officer Email: jesse.bynum@ohioago.gov				
					Submitting Officer: Jesse Bynum				
					BCI Crime Scene Agent:		Crime Scene Case No:		

Test item submission establishes an agreement for testing between the submitting customer and the BCI laboratory. The laboratory employs standardized methods to fulfill customer test requests. Specific method selection, application and sequence are at the discretion of the laboratory, unless otherwise directed by the customer. Investigative information obtained as a result of the laboratory testing may be disseminated to other law enforcement agencies for the administration of justice. The BCI laboratory may subcontract testing to meet operational needs. Subcontracted work will be performed by a competent subcontractor and that work will be clearly identified to the customer.

Prior to the commencement of work, please review the submission receipt to ensure the items submitted and laboratory testing requested are correct. Signature signifies acceptance of the agreement specified above and accuracy of the submission receipt to the best of the signatory's knowledge.

Completed Laboratory reports, Notarized Statements, and Statements of Qualification are available for download from the OHLEG portal (www.OHLEG.org).

Comments: Officer involved shooting of subject that ran into an occupied home with a pistol.

Services Requested

Lab Item #	Dept. Item #	Description (Packaging Description, Item Type - Described as)	Chemistry Qualitative Analysis	Chemistry Quantitative Analysis	Firearms	DNA	GSR Gunshot Residue	Latent Prints	LINK	NIBIN	Operability	Questioned Document	Trace
1		Flash Drive/Jump Drive/Thumb Drive Described as: Black SanDisk Ultra 128GB USB	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

SHOULD THERE BE ANY CHANGE IN THE STATUS OF THIS CASE, INCLUDING TRIAL DATES, PLEASE CONTACT BCI IMMEDIATELY.

Ohio BCI Forensic Laboratory

Chain of Custody Report

Lab Case: 26-00031
Department Name: BCI / Richfield
Agency Case #: 2026-0255

Item # 1 Description : Flash Drive/Jump Drive/Thumb Drive Black SanDisk Ultra 128GB USB

Submitted to the laboratory on 3/11/2026 at 10:21 AM - By Jesse Bynum BCI / Richfield

<u>Date</u>	<u>Time</u>	<u>Container</u>	<u>Custody Of</u>	<u>Location / Person</u>	<u>Transaction By</u>
03/11/2026	10:21		Clerical/Evidence	Nissa Low	Nissa Low
03/11/2026	10:24		Evidence Storage	Shelf A1	Nissa Low
03/11/2026	10:53		Analyst - London	David F. Loomis	Nissa Low
03/26/2026	9:27		Evidence Disposal	Returned to Agency via Federal Express	Nissa Low

Comments: New tracking number is 870007666460.

Item # W.P. 1.1 Description : Envelope containing Flash Drive/Jump Drive/Thumb Drive 1 Flash Drive

Submitted to the laboratory on 3/26/2026 at 9:03 AM - By Jesse Bynum BCI / Richfield

<u>Date</u>	<u>Time</u>	<u>Container</u>	<u>Custody Of</u>	<u>Location / Person</u>	<u>Transaction By</u>
03/26/2026	9:20		Clerical/Evidence	Nissa Low	Nissa Low
03/26/2026	9:27		Evidence Disposal	Returned to Agency via Federal Express	Nissa Low

Comments: New tracking number is 870007666460.



Ohio Organized Crime Investigations Commission Forensic Video Analysis

Written Date: April 02, 2026

To: BCI / Richfield
4055 Highlander Parkway
Richfield, OH 44286

OCIC Case Number: 26-00031

Agency Case Number: 2026-0255

Type of Offense: Shooting Involving an Officer
Location of Offense: North Olmstead, Ohio

On March 11th, 2026, Special Agent Jesse Bynum of BCI submitted one flash drive for the purpose of forensic video analysis. Special Agent Bynum requested a video timeline be created from video files contained on the flash drive. The item submitted will be referred to as ITEM ONE throughout the body of this report. The process, as it pertains to this case, is as follows:

- Inspect ITEM ONE to ascertain that no physical damage exists
- Generate and save a working copy of the contents of ITEM ONE
- Extract still images from video
- Apply software filters to clarify images
- Utilize software to create synchronized video presentations as requested
- Produce an 8GB of clarified images and video presentations

On March 11th, 2026, ITEM ONE was checked out of the evidence room by Senior Analyst David Loomis.

ITEM ONE was a SanDisk Ultra 128GB flash drive with no label. ITEM ONE was inspected for damage and no damage was found. The contents of ITEM ONE were copied and verified via SHA256 hash using Quick Hash 3.0.4.

ITEM ONE contained five folders with the following video files:

“24466 Clareshire Apt J”:

56.mp4

57.mp4

“24496 Clareshire Apt F”:

Ring_Doorbell_Camera_(2446_Clareshire_Drive_Unit_F).mp4

“Brinks Video”:



Ohio Organized Crime Investigations Commission Forensic Video Analysis

Written Date: April 02, 2026

2026-01-21_Brinks_Video.mpv

“BWCs”:

2026-01-21_BWC_ [REDACTED] (EL [REDACTED]).mp4

2026-01-21_BWC_Christopher_Lewis_(EL188).mp4

2026-01-21_BWC_Colty_Hersh_(EL141)_4.mp4

2026-01-21_BWC_Michael_Taylor_(EL292)_2.mp4

“Dash Cameras”:

2026-01-21_Dash_Camera [REDACTED] (EL [REDACTED])_2.mp4

2026-01-21_Dash_Camera_Christopher_Lewis_(EL188).mp4

2026-01-21_Dash_Camera_Michael_Taylor_(EL292).mp4

The video files from ITEM ONE were imported into the Adobe Premiere CC 2026 video analysis software for review. New timeline was created using the apartment cameras, body-worn cameras, and the dash cameras. The nine camera views represented were synchronized based upon audio cues. Two still images from the “Ali Sabeiha” camera were exported as .tiff image files for further analysis. The video timeline was edited to the scope requested by Special Agent Bynum.

The synchronized video timeline was imported into the Adobe After Effects CC 2026 video analysis and compositing software for the creation of the final video presentations. The nine camera views were aligned and scaled to fit the composition. Frame counters were added to each view. Audio waveforms were added to each view. An overall timecode effect was added to the composition. A title slate was added and the video timeline was rendered out as a universal .mp4 video file for demonstrative purposes. The timeline was duplicated and edited to a shorter scope for the original speed/50% speed views. The second timeline was rendered out as a universal .mp4 file for demonstrative purposes.

The two raw .tiff image files were imported into the Adobe Photoshop CC 2026 image analysis software for clarification. The images were clarified using the Sharpening filter to sharpen, and the Levels and Clarity filters for contrast. The two clarified images were saved as uncompressed .tiff image files.

The two video presentations, two raw images, and two clarified images were placed onto an 8GB flash drive as work product.



Ohio Organized Crime Investigations Commission Forensic Video Analysis

Written Date: April 02, 2026

On March 26th, 2026, the 8GB flash drive was released to evidence for shipping, along with ITEM ONE.

David F. Loomis
Senior Forensic Analyst
(614) 277-1000
David.Loomis@OhioAGO.gov



Matt S. Hilbert
Supervisor Approval

DAVID F. LOOMIS - CURRICULUM VITAE

The Ohio Organized Crime Investigations Commission
P.O. Box 968, Grove City, Ohio 43123
(614) 277-1000 / (614) 277-1010 fax / David.Loomis@OhioAGO.gov

Professional Experience

Senior Forensic Audio/Video Analyst

March 2019 – *Present*
Columbus, Ohio

The Ohio Organized Crime Investigations Commission
Office of the Ohio Attorney General

- Provides general supervision of the OOCIC Audio/Video laboratory
- Implements policy and procedures
- Reviews case files and lab testing practices
- Provides recommendations on training and equipment
- Assists in the hiring process of new Analysts
- Performs all other duties of Forensic Audio/Video Analyst (as listed below)

Forensic Audio/Video Analyst

August 2014 – March 2019
Columbus, Ohio

The Ohio Organized Crime Investigations Commission
Office of the Ohio Attorney General

- Performs forensic analysis of audio, video, photographic, and other evidence, whether analog or digital in nature, for investigation and court presentation
- Attends training, workshops, and seminars to maintain current working knowledge of trends and developments in the Forensic Audio/Video field
- Conducts testing and preparation of audio, video, and photographic evidence
- Clarification of evidentiary audio and video recordings
- Clarification of digital images
- Performs audio and video transcoding
- Forensic 2D and 3D animation
- Extraction of video from Digital Video Recorders
- Carves video data from various digital sources
- Duplication and digitization of audio and video recordings
- Repairs damaged audio and video tapes for evidentiary purposes
- Makes presentations to task force investigators and law enforcement agencies

Graphic Artist

April 2010 – June 2014
Pittsburgh, Pennsylvania

Educational Outfitters

- Created various designs for email marketing campaigns, customer logos, t-shirts, store signage, and fliers
- Prepared media for use in email marketing campaigns, various printing and production processes
- Responsible for installation and maintenance of design software packages
- Designed and digitized artwork for embroidery

Freelance Photographer / Videographer

Sept 2003 – April 2010
Denver, CO and Pittsburgh, PA

Self-Employed

- Family and portrait photography
- Digital photo editing and digital photo restoration

- Video recording, editing, and DVD presentations

Forensic Animation Intern

Knott Laboratory

July 2003 – Sept 2003

Denver, Colorado

- Assisted a team of animators and engineers to create accident reconstruction animations for legal proceedings
- 3D modeling, animation, compositing, and video editing
- Use of photogrammetry and camera matching to reconstruct scenes
- 3D cut-away views of mechanical processes

Lead Network Transport Planner

Qwest Communications International, Inc.

Nov 2000 – Nov 2001

Denver, Colorado

- Quarterly planning of nationwide wavelength services network (10 gigabit and 2.5 gigabit line system)
- Optimized the network plan using various equipment vendor and third-party software tools
- Calculated budgetary requirements for entire planned wavelength services network over various time periods
- Conducted studies of new nationwide network architectures, impacts of large customer deals, and potential fiber optic routes
- Utilized knowledge of various equipment interfaces (Nortel Preside / Ciena Wavewatcher) along with internal databases and the Microsoft Office suite to constantly improve processes, monitor planning progress, and analyze trends
- Tested and evaluated various vendor-specific and third party planning software
- Supported deployment planning of network transport technologies

Senior Network Transport Planner

Qwest Communications international, Inc.

June 1999 – Nov 2000

Denver, Colorado

- Assisted with development of and updates to quarterly SONET network plans
- Actively supported planning efforts concerning new, changes to, and life cycle management / retirement of currently deployed network transport technologies
- Supported deployment planning of newly installed network assets
- Involved with scenario analysis concerning plan assumption changes / timing
- Utilized knowledge of Visual Basic for Excel to streamline current network data extraction from several weeks by many planners to minutes by a solo planner
- Awarded Letter of Recognition from VP for outstanding work in streamlining operations

Space Communications Systems Controller

United States Air Force

22d Space Operations Squadron

50th Space Communications Squadron

June 1995 – June 1999

Schriever AFB, Colorado

- Responsible for operating and troubleshooting communication and computer resources valued at over \$440 million to support the Air Force Satellite Control Network (AFSCN)
- Directed and implemented fault isolation, testing, troubleshooting, and analysis of transmission links, including T1 through T3, to ensure proper operations
- Provided worldwide connectivity across seven Department of Defense space programs, NASA, and NOAA
- Maintained a 99% efficiency rating on over 4,000 satellite communications mission supports, directly contributing to work center's 93.3% success rate on satellite mission contacts
- Handpicked to assist contractors with implementation and test procedures on a \$7 million project to link new satellite operations center with resources located at Schriever Air Force Base

- Awarded Senior Airman Below the Zone (promoted to E-4 six months early)
- Awarded the National Defense Service Medal and Air Force Good Conduct Medal
- Decorated – Awarded the Air Force Achievement Medal for Meritorious Service

Education

Bachelor of Arts

Media Arts and Animation

*The Art Institute of Colorado
Denver, Colorado*

- Instruction in animation, video production, editing, and compositing, and audio production and editing
- 3.9 GPA
- Alpha Beta Kappa National Honor Society
- Portfolio Voted “Best Book” by AiC instructors at graduation

Journeyman

Communications, Computer Systems Operations

*USAF Technical Training School
Biloxi, Mississippi*

- Honor Graduate (98% average)

Undergraduate Studies

Fine Art, Liberal Arts, Mathematics

*Ohio University
Athens, Ohio*

Certifications

LEVA Certified Forensic Video Technician

June 2016 - Present

Training

LEVA Level 1 – Forensic Video Analysis and the Law (40 Hours)

April 2015

- Principles of CCTV Systems
- Non-Linear Editing
- Data Authentication and Integrity
- Video Compression
- Scientific Method
- Video and the Law
- Infrared Light

Issues of Bias in Forensic Science (8 Hours)

May 2015

- Defining Bias as it Applies to Scientific Fields
- Overview of Decision Making and How We Think
- Discussion of Methods to Counter-act Bias

Introduction to Forensic Audio Analysis (24 Hours)

September 2015

- Science and Physics of Sound
- Fundamentals of Recording and Playback Devices
- Audio Processing Techniques
- Critical Listening
- Best Practices

- Hands-on Audio Clarification
- LEVA Level 2 – Processing Digital Multimedia Evidence (40 Hours) June 2016
- Compression Theory
 - Digital Video Acquisition
 - Screen Capture Utilities
 - Video File Formats and Video Containers
 - Integrating Hashing into Workflow
 - Technical Report Writing
 - Legal Aspects of Digital Multimedia Evidence
 - TCP/IP Networking
 - Analytical Report Writing
- NW3C CI 100 – Identifying and Seizing Electronic Evidence (2.5 Hours) July 2016
- Identifying sources of electronic evidence
 - Preserving electronic evidence for analysis
 - Best practices for seizure of electronic evidence
- NW3C CS 100 – Introduction to Computer Networks (2.75 Hours) August 2016
- Networking overview
 - OSI Model
 - TCP/IP
- NW3C CI 102 – How Computers Work and Store Data (3 Hours) July 2018
- Hardware and storage configurations
 - Number systems (Decimal, Hexadecimal, Binary)
 - Partitioning drives
 - Identifying volumes
 - File systems
- U.S. Department of Homeland Security - Cyber Security Investigations (9 Hours) August 2018
- Overview of cybersecurity incident response and forensic analysis
 - Digital forensic concepts, forensic media preparation
 - Digital evidence collection
 - Triage process and analysis
 - Suspicious trace analysis
 - Data carving
- LEVA Level 3 – Video Contrast and Comparison (40 Hours) September 2018
- Philosophy and principles of video contrast and comparison
 - Scientific method
 - Class Characteristics vs Individual Characteristics
 - Effects of lighting, aspect ratio, resolution, and compression on video analysis
 - Analytical report writing
 - Types of bias in forensic video analysis and how to reduce them
- LEVA Courtroom Testimony for Expert Witnesses (24 Hours) May 2019
- Trial procedure

• Report writing techniques • Effects of bias • Moot court	
iNput Ace Video Evidence Training Symposium (15 Hours)	June 2020
• Video Analysis with iNput Ace • Trends in video analysis • Issues with timing in video • Digital video evidence recovery	
LEVA Level 4 – Advanced Forensic Video Analysis and the Law (40 Hours)	December 2020
• Advanced video analysis techniques • Creating demonstratives for court • Preparation for advanced certification	
iNput Ace Video Evidence Training Symposium (12 Hours)	March 2021
• Video evidence narrative techniques • Issues with video timing • Video evidence workflow	
Amped Authenticate Training (20 Hours)	June 2021
• Image and video authentication techniques	
Amped FIVE Training (25 Hours)	December 2021
• Forensic Video Analysis theory • Workflow in Amped FIVE • Digital image and video clarification techniques	
iNput Ace Video Evidence Training Symposium (12 Hours)	March 2022
• Video investigation training • Bias in video forensics • Video compression refresher	
LEVA In-Depth Examination of Video Processes (24 Hours)	August 2023
• Advanced metadata analysis in video • Video timing	
Adobe Premiere Pro Masterclass (25 Hours)	February 2024
• Video timeline creation • Video editing techniques • Presentation rendering	
FFMPEG – The Complete Guide (4 Hours)	February 2024
• Video compression • Encoding and decoding video with FFMPEG • Transcoding video	
Photography Masterclass (68 Hours)	January 2025

- Digital photography techniques
- Editing and clarifying digital images
- Adobe Photoshop and Lightroom tools and filters

Court Testimony

State of Ohio vs Thaddeus Bumgardner

Common Pleas Court of Meigs County

June 29th, 2016

14 CR 117

- Expert Witness Qualification
- Testified concerning forensic audio analysis of evidence in a felonious assault trial

State of Ohio vs Tony Cohen

Common Pleas Court of Summit County

December 1st, 2017

2016-11-3966

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in an aggravated robbery trial

State of Ohio vs Mark Mabry

Common Pleas Court of Richland County

October 16th, 2018

2018-CR-0255R

- Expert Witness Qualification
- Testified concerning deleted file recovery and forensic video analysis of evidence in an aggravated assault trial

State Medical Board of Ohio vs Atta Asef, D.P.M.

State Medical Board of Ohio

August 21st, 2019

18-CRF-0038

- Expert Witness Qualification
- Testified concerning video authenticity in a State Medical Board adjudication hearing

State of Ohio vs Warriayre Armond Roundtree

Franklin County Common Pleas Court

December 11th, 2019

18-CR-01669

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in an aggravated murder trial

State of Ohio vs Andrew Kirk Mitchell

Franklin County Common Pleas Court

April 7th, 2022

19-CR-01662

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in a murder trial

State of Ohio vs Andrew Kirk Mitchell (Retrial)

Franklin County Common Pleas Court

April 13th, 2023

19-CR-01662

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in a murder trial

State of Ohio vs Bria Kaye-Paige Henslee

Franklin County Common Pleas Court

May 17th, 2023

21-CR-01524

- Expert Witness Qualification

- Testified concerning forensic video analysis of evidence in a murder and assault trial

State of Ohio vs Tylan Chance Sims
Franklin County Common Pleas Court

June 6th, 2023
21-CR-00595

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in a murder and felonious assault trial

State of Ohio vs Jonathan Woodruff
Franklin County Common Pleas Court

September 25th, 2024
21-CR-02720

- Expert Witness Qualification
- Testified concerning forensic video analysis of evidence in a murder trial

Professional Memberships

Law Enforcement and Emergency Services Video Association

August 2014 – Present

High Technology Crime Investigation Association

August 2018 - Present

Ohio Attorney General's Office
Evidence Marker Report

Generated by: Bynum, Jesse (179)
Generated on: 04/30/2026 08:33:03.596 -0400

Evidence

Title
26-00031 Timeline Presentation.mp4

Evidence Serial Number	Evidence Unique ID	ID
195AGK7	741B14184D6445BCA6BA39A21460B974	2026-0255

Markers (20)

#	Position	Description
1	00:26:50.938	(Marker 1) 26-00031 Timeline Presentation.mp4 TC 00:26:45:56 Johnson exiting Honda
2	00:27:00.879	(Marker 2) 26-00031 Timeline Presentation.mp4 TC 00:26:56:52 Johnson running past 24466 Clareshire
3	00:27:06.189	(Marker 3) 26-00031 Timeline Presentation.mp4 TC 00:27:01:11 Johnson running towards 24496 Clareshire F
4	00:27:10.012	(Marker 4) 26-00031 Timeline Presentation.mp4 TC 00:27:05:00 Johnson pulling pistol from right jacket pocket
5	00:27:21.883	(Marker 5) 26-00031 Timeline Presentation.mp4 TC 00:27:16:5 [REDACTED] picked door Frame 050647
6	00:27:22.732	(Marker 6) 26-00031 Timeline Presentation.mp4 TC 00:27:17:43 Gunshot 1 Frame 050673
7	00:27:22.948	(Marker 7) 26-00031 Timeline Presentation.mp4 TC 00:27:17:56 Gunshot 2 Frame 050679
8	00:27:23.144	(Marker 8) 26-00031 Timeline Presentation.mp4 TC 00:27:18:12 Gunshot 3 Frame 050685
9	00:27:23.383	(Marker 9) 26-00031 Timeline Presentation.mp4 TC 00:27:18:27 Gunshot 4 Frame 050692
10	00:27:23.570	(Marker 10) 26-00031 Timeline Presentation.mp4 TC 00:27:18:34 Gunshot 5 Frame 050698
11	00:27:23.809	(Marker 11) 26-00031 Timeline Presentation.mp4 TC 00:27:18:48 Gunshot 6 Frame 050713
12	00:27:24.023	(Marker 12) 26-00031 Timeline Presentation.mp4 TC 00:27:19:01 Gunshot 7 Frame 050712
13	00:27:24.232	(Marker 13) 26-00031 Timeline Presentation.mp4 TC 00:27:19:13 Gunshot 8 Frame 050718
14	00:27:24.408	(Marker 14) 26-00031 Timeline Presentation.mp4 TC 00:27:19:24 Gunshot 9 Frame 050723
15	00:27:24.629	(Marker 15) 26-00031 Timeline Presentation.mp4 TC 00:27:19:37 Gunshot 10 Frame 050730
16	00:27:24.813	(Marker 16) 26-00031 Timeline Presentation.mp4 TC 00:27:19:48 Gunshot 11 Frame 050735
17	00:27:25.031	(Marker 17) 26-00031 Timeline Presentation.mp4 TC 00:27:20:01 Gunshot 12 Frame 050742
18	00:27:25.226	(Marker 18) 26-00031 Timeline Presentation.mp4 TC 00:27:20:13 Gunshot 13 Frame 050748
19	00:27:25.455	(Marker 19) 26-00031 Timeline Presentation.mp4 TC 00:27:20:27 Gunshot 14 Frame 050755
20	00:27:25.660	(Marker 20) 26-00031 Timeline Presentation.mp4 TC 00:27:20:39 Gunshot 15 Frame 050761