

2022-2918



Officer Involved Critical Incident - 500 West Hopocan, Barberton, OH 44203

Investigative Activity:	Video Review – OOCIC Production
Involves:	Zachary Zoran (S)
Activity Date:	2/16/2023
Activity Location:	BCI – Richfield, 4055 Highlander Parkway, Ohio 44286
Authoring Agent:	SA Nicholas Valente

Narrative:

On February 16, 2023, Ohio Bureau of Criminal Investigation (BCI) Special Agent (SA) Nick Valente (Valente) received an envelope from the Ohio Organized Crime Investigations Commission (OOCIC). Contained in the envelope were the original flash drive SA Valente sent OOCIC, an additional 8 gigabyte USB flash drive, and a chain of custody sheet for both items. The additional flash drive contained work product for OOCIC case #23-00011. SA Valente previously sent OOCIC a body-worn camera video recording from Officer (Officer), a body-worn camera video recording from Officer (Officer), a security camera video recording from the Lake Anna (Barberton) YMCA, and a security camera video recording from Sitting Pretty Hair & Nail Beauty Boutique. These recordings captured activity related to the December 26, 2022, shooting of Zachary Zoran in Barberton, Ohio.

SA Valente reviewed the USB flash drive provided by OOCIC and determined it contained two folders.

One folder contained two spreadsheets. These spreadsheets contained hash values and identifying information from the video production. These spreadsheets were titled:

- 1. 23-00011 Item 001 SHA256 Hash Values
- 2. 23-00011 Video Presentations SHA256 Hash Values

The second folder contained five MP4 video files. These files were titled:

- 1. 23-00011 Synchronized Presentation
- 2. 23-00011 Synchronized Segment Speed Views
- 3. CH02 Presentation
 - *a.* Note the timestamp included on the surveillance video was determined to be incorrect and is more fully documented in the Investigative Narrative detailing the review of that specific video.
- 4. Presentation
- 5. Presentation







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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 video or listening to audio recordings of these events.

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(s) or subject(s) involved. Video recordings capture 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 origin of the sound, the size and density of objects positioned between the recording device and the origin of a sound, and 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 a gunshot. It should be noted those references are based on the totality of corroborating information and evidence gathered throughout this investigation. It in no way suggests that the percussion sounds referenced could not have originated from some other unknown source.

Method and Process

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

The timecode effect was used to count frames between significant events identified within the recording.



BC1

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The video/audio production indicated the video contained 29.97 (30) frames per second. Time was calculated by dividing 1 second by 30 frames. The result was each frame represents 0.03333333 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 elapsed time. For this review, SA Valente rounded the product to the nearest hundredth place decimal (example 0.46666662 was rounded to 0.47 seconds).

Sound was depicted through the audio wave bar 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 wave bar began to increase in frequency on the right side of the screen. For this reason, SA Valente identified the frames depicting significant events as the first frame displaying an increase on the wave bar.

Video Review

SA Valente first reviewed the video presentation titled 23-00011 Synchronized Presentation. SA Valente noted this video file contained a synchronized video presentation of both involved officers' body-worn video camera recordings and the Sitting Pretty Hair & Nail Beauty Boutique surveillance video recording. Audio wave bar were added below each officer's body-worn video recording. A timecode and frame counters were also added.

SA Valente then reviewed the second video presentation titled 23-000111 Synchronized Segment – Speed Views. This video file contained the same three video recordings, again synchronized together and played with audio waveforms added, timecode added and frame counters added but now included the videos playing at both half speed and full speed.

SA Valente then reviewed the third video presentation titled *CH02 Presentation* and noted this video recording was the surveillance camera recording from Sitting Pretty Hair & Nail Beauty Boutique with a timecode and frame counter included. Note that this video recording was captured at 11 frames per second.

SA Valente then reviewed the fourth video presentation titled **Presentation** and noted this video recording was created from Officer **Sector** body-worn camera recording and included the addition of a frame counter, time coder, and wave bar.

SA Valente then reviewed the fifth video presentation titled **Presentation** and noted this video recording was created from Officer **Sector** s body-worn camera recording and included the addition of a frame counter, time coder, and wave bar.



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Below is a collection of select video frames from the above described productions provided with additional relevant information. In certain images SA Valente added obvious red lines, arrows, and ovals over the frames to provide additional detail and point out specific items within the images.



Frame 04880 of Sitting Pretty Hair & Nail Beauty Boutique outdoor surveillance camera.

The above image is taken from footage captured by a surveillance camera placed on the northeast corner of Sitting Pretty Hair & Nail Beauty Boutique. This image depicts Officer as he arrived in the parking lot, exited his patrol vehicle, and began to approach Zachary Zoran (Zoran). Officer drove into the lot after exiting the driveway of the Lake Anna YMCA across the street. Just prior to Officer drow is a arrival, Zoran ran through the snow-covered parking lot from the bottom of the image (east) to the upper left side of the image (west). Zoran appeared to attempt to hide from Officer drow behind the hood of the white pick-up truck momentarily. Officer drow exited his patrol vehicle and Zoran began to walk southbound toward the alleyway.



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Frame 00118 of Officer s body camera.

The above image was taken from Officer **and** s body-worn camera video recording production. In this image, captured moments after Officer **and** exited his vehicle, Zoran can be seen with a knife in his right hand. Zoran then placed a bag on the ground, walked backwards away from Officer **and** and told him "no, you stop" as Officer **and** gave additional commands to Zoran to "stop."



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Frame 001441 of Officer s body camera.

The above image was taken from Officer **and** s body-worn camera video recording production. Zoran changed course, turned to his right and began walking in the direction from which he just came. Officer **and** drew his firearm, directed it at Zoran and began to walk backwards away from Zoran while radioing for Officer **and to** "step it up." Zoran continued to hold the knife in his right hand.



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Frame 001931 of Officer s body camera.

After making his way around the dumpster, Zoran began to walk backwards away from Officer while still facing him. Officer walked towards Zoran, with his firearm directed at Zoran. Officer continued to give Zoran more commands to "drop the knife" and variations thereof.



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Frame 002324 of Officer s body camera.

Officer who had just arrived on scene, can now be seen on the left side of the image. Officer was directing his taser at Zoran in this image.



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Frame 005526 of the Sitting Pretty Hair & Nail Boutique Exterior Side Camera.

As seen above, Zoran continued to walk backwards away from both officers while still facing them and holding a knife in his right hand.



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Frame 005558 of the Sitting Pretty Hair & Nail Boutique Exterior Side Camera.

As observed above, Zoran stopped walking away from the officers and abruptly charged in the direction of Officer Zoran stopped himself within mere feet of Officer Zoran paused briefly and then continued to slowly advance on both officers who walked backwards away from him.



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Frame 002290 of Officer body camera.

Still image from Officer **body-worn** camera production showing Zoran as he began to quickly charge at Officer



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Frame 002467 of Officer body camera.

After charging at Officer **Constitution** Zoran began to move in the direction of Officer **Constitution** as seen above. Zoran continued to ignore orders from both officers to stop and drop the knife. Rather, Zoran continued to advance on both officers while maintaining possession of the knife and ordering the officers themselves to stop and go back to their cars. Officer **Constitution** then backed up and began to take cover behind the hood of the pick-up truck. At the same time, Officer **Constitution** backed up in the opposite direction. Zoran then focused his attention on Officer



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Frame 005760 of the Sitting Pretty Hair and Nail Boutique surveillance camera alongside frame 002840 of Officer body camera and frame 003305 of Officer s body camera synced.

The above still depicts all three angles of the incident at the moment Zoran was likely shot. Officer s body-worn camera is mostly obstructed at this exact moment due to the placement of his hands and arms.



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This image captured Zoran as he continued to advance on Officer **Sector** Note the audio wave bar spike, indicative of Officer **Sector** firing his pistol.



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Frame 002844: Note the slide on Officer **s** pistol is now back indicating he just fired the weapon.



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Frame 005773 of the Sitting Pretty Hair and Nail Boutique exterior side camera recording.

This image captured Zoran as he fell to the ground just after he was shot.



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This image showed Zoran on the ground and Officer **standing over him**. Note Zoran's knife visible in the red oval. After being shot and falling to the ground, Zoran continued to ignore commands and ultimately appeared to lose consciousness while being placed into handcuffs.

Approximately 1 minute and 21 seconds transpired from the time Officer **and** stepped out of his patrol vehicle (frame 842) to the time Zoran was shot (frame 3305). During that time Officer **a** gave Zoran over 25 commands including ordering Zoran to "drop the knife" or a command very similar thereto 18 times. Zoran ignored all of those commands. Likewise, Officer **a** ordered Zoran to "drop it" 10 times. Officer **a** commands were also ignored by Zoran.

After having initially walked away from the two officers, Zoran took a total of approximately 38 combined walking or running steps towards the two officers prior to being shot.

On February 28, 2023, SA Valente received an email from Nissa Low of the OOCIC. The email contained a 10-page PDF attachment. SA Valente opened the attachment and found it to contain copies of the Evidence Submission Form completed by SA Valente when the videos were submitted to OOCIC, the OOCIC Chain of Custody Report, a letter explaining the forensic analysis that was perfumed by OOCIC and the Curriculum Vitae of David Loomis who completed the forensic analysis. The document was attached to this report.



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Reference Items:

1. USB Thumb drive OOCIC Video Presentation

Attachments:

- 1. 2023-02-16: OOCIC Chain of Custody
- 2. 2023-02-28: OOCIC Documents



Ohio Organized Crime Investigations Commission



Submission Date	Priority Code	Due Date
01/18/2023		
OOCIC Case Number	Shelf Loca	ition
23-00011		
	ence Tech will complete C Submission Number f	

Evidence Submission Form

Submitting Agency (or OO	CIC Task Force Number)	Case Investigator Name:	Submitting Investigator:
BCI Richfield		S/A Nick Valente	S/A Nick Valente
County:		Agency Case Number:	Court Date:
Summit		2022-2918	
Telephone Number:	Cell Phone Number	FAX Number:	
234-400-3622	614-208-8405	877-476-2195	
Mailing Address:		E-Mail Address:	
4055 Highlander Pkwy Richfield, OH 44286		nicholas.valente@ohioago.c	ĴON

Submitted Items: (OOCIC Evidence Tech will complete this section)

Item #	Description	Make	Model	Lot Number
1	Flash Drive/Jump Drive/Thumb Drive Black SanDisk 32GB Flash Drive			
W.P. 1.1	Flash Drive/Jump Drive/Thumb Drive 8 gb flash drive			

Requested Services: (Check all that apply)

/Repair Redaction Redac	o Audio Vie Repair Redaction Reda

Subject Information: (Complete as much as possible)

Subject Name:	Custody Status:	Sex:	Race:	DOB:
Zoran, Zachary	NC	Male	Caucasian	
Offense:	Date of Offense:	Offense: Location : (City, County)		, County)
Officer Involved Shooting	12/26/2022	Barberton, Summit County		nty

Additional information: (Data from Time Date Generator / Type of System / Court Date / Special Instructions. etc.) Please see attached sheet for specific production requests. This request for production is made in reference to an officer involved shooting which resulted in the death of the subject.

Submitted By:

S/A Nick Valente

Evidence Tech:

Nissa Low



Ohio Organized Crime Investigations Commission

P.O. Box 968 Grove City, OH 43123 Telephone: (614) 277-1000 Facsimile: (614) 277-1010

Chain of Custody Report

Lab Case		23-00011		
Departme	nt Name	BCI Richfield		
Incident N	umber	2022-2918		
Item # 1		Description : Flash	Drive/Jump Drive/Thumb Drive	Black SanDisk 32GB Flash Drive
Date	Time	Custody Of	Location / Person	Transaction By
01/18/2023	11:38	Clerical/Evidence	Nissa Low	Nissa Low
01/18/2023	12:00	Evidence Storage	Shelf A6	Nissa Low
01/18/2023	13:37	Clerical/Evidence	Nissa Low	Nissa Low
01/18/2023	13:37	Analyst	David F. Loomis	Nissa Low
02/15/2023	14:48	Evidence Disposal	Returned to Department	Matt S. Hilbert
Packag	ed for ship	oment via FedEx.		
Item # W.P	P. 1.1	Description : Flash	Drive/Jump Drive/Thumb Drive	8 gb flash drive
Date	<u>Time</u>	Custody Of	Location / Person	Transaction By
02/15/2023	14:49	Clerical/Evidence	Matt S. Hilbert	Matt S. Hilbert
02/15/2023	14:49	Evidence Disposal	Returned to Department	Matt S. Hilbert
Packag	ed for ship	oment via FedEx.		



Written February 27th, 2023

To:	BCI Richfield S/A Nick Valente 4055 Highlander Pkwy Richfield, OH 44286	OCIC Case Number:	23-00011
		Agency Case Number:	2022-2918
Type of Offense: Location of Offense:	Officer Involved Shooting Barberton, Summit County		

On January 18th, 2023, Special Agent Nick Valente of BCI submitted one flash drive for the purpose of forensic video analysis. Special Agent Valente requested video presentations 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
- Convert proprietary video files to a universal format for processing
- Utilize software to create synchronized video presentations as requested
- Produce a flash drive of video presentations as work product

On January 18th, 2023, ITEM ONE was checked out of the evidence room by Senior analyst David Loomis. ITEM ONE was a SanDisk Ultra 32GB 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.

IITEM ONE contained two .mp4 video files with a display resolution of 1280 pixels by 720 pixels using the h264 video codec, with audio at a 48000 hertz sample rate, stereo, using the mp4a audio codec:



ITEM ONE also contained one .mp4 video file with a display resolution of 1920 pixels by 1080 pixels using the HEVC video codec:

2022-12-29 - 24 7 Door 1_20221226_085655.mp4

ITEM ONE also contained one proprietary .avi video file with a display resolution of 1920 pixels by 1080 pixels using the HEVC video codec:



Written February 27th, 2023

CH02-2022-12-26-10-01-18_10-21-21.avi

The proprietary .avi video file from ITEM ONE contained an audio channel, but upon review no audio was found. The proprietary .avi video file was converted to a universal .mp4 video file for processing using the FFMPEG audio/video conversion tool.

The video files from ITEM ONE were imported into the Adobe Premiere CC 2023 video analysis software for review and creation of the synchronized video timeline. The file "2022-12-29 - 24 7 Door 1_20221226_085655.mp4" was noted as having dropped frames (unknown gaps of time throughout the video) and would not properly synchronize with the other three video files. The other three video files were synchronized based upon audio and video cues.

The synchronized Premiere video timeline was imported into the Adobe After Effects video analysis and compositing software for the creation of the video presentations. A three-camera synchronized presentation was created. A duplicate version of the three-camera presentation was also created, showing the segment at half-speed and original speed. Three individual camera view presentations were also created. Audio waveform effects, frame counters, and timecode effects were added to the five video presentations. Title slates were added and the five video presentations were rendered out as universal .mp4 video files for demonstrative purposes.

The five video presentations were placed onto an 8GB flash drive as work product.

On February 15th, 2023, the 8GB flash drive was returned to the evidence room for shipping, along with ITEM ONE.

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

Nat Hiller

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

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
- Responsible for reviewing and approving lab reports •
- 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

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

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 Self-Employed

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

Family and portrait photography •

March 2019 - Present Columbus, Ohio

August 2014 – March 2019 Columbus, Ohio

April 2010 – June 2014

Pittsburgh, Pennsylvania

- Digital photo editing and digital photo restoration
- Video recording, editing, and DVD presentations

Forensic Animation Intern

Knott Laboratory

- 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.

- 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.

- 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 ٠
- 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 ٠

Space Communications Systems Controller	June 1995 – June 1999
United States Air Force	Schriever AFB, Colorado
22d Space Operations Squadron	
50th Space Communications Squadron	

- 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

Nov 2000 - Nov 2001 Denver, Colorado

July 2003 – Sept 2003 Denver, Colorado

June 1999 - Nov 2000

Denver, Colorado

- 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 A rt Institute of Colorado Denter, Colorado
 Instruction in animation, video production, editing, and compediting 3.9 GPA Alpha Beta Kappa National Honor Society Portfolio Voted "Best Book" by AiC instructors at graduation 	ositing, and audio production and
Journeyman Communications, Computer Systems Operations • Honor Graduate (98% average)	USAF Technical Training School Biloxi, Mississippi
Undergraduate Studies Fine Art, Liberal Arts, Mathematics	Ohio University A thens, Ohio
Certifications	
LEVA Certified Forensic Video Technician	June 2016 - Present
Training	
 LEVA Level 1 – Forensic Video Analysis and the Law (40 Hours) Principles of CCTV Systems Non-Linear Editing Data Authentication and Integrity Video Compression Scientific Method Video and the Law Infrared Light 	April 2015
 Issues of Bias in Forensic Science (8 Hours) Defining Bias as it Applies to Scientific Fields Overview of Decision Making and How We Think Discussion of Methods to Counter-act Bias 	May 2015
 Introduction to Forensic Audio Analysis (24 Hours) Science and Physics of Sound Fundamentals of Recording and Playback Devices Audio Processing Techniques 	September 2015

Critical ListeningBest PracticesHands-on Audio Clarification	
 LEVA Level 2 – Processing Digital Multimedia Evidence (40 Hours) 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 	June 2016
 NW3C CI 100 - Identifying and Seizing Electronic Evidence (2.5 Hours) Identifying sources of electronic evidence Preserving electronic evidence for analysis Best practices for seizure of electronic evidence 	July 2016
 NW3C CS 100 - Introduction to Computer Networks (2.75 Hours) Networking overview OSI Model T'CP/IP 	August 2016
 NW3C CI 102 – How Computers Work and Store Data (3 Hours) Hardware and storage configurations Number systems (Decimal, Hexadecimal, Binary) Partitioning drives Identifying volumes File systems 	July 2018
 U.S. Department of Homeland Security - Cyber Security Investigations (9 Hours) 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 	August 2018
 LEVA Level 3 - Video Contrast and Comparison (40 Hours) 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 anal Analytical report writing Types of bias in forensic video analysis and how to reduce them 	September 2018 lysis

 LEVA Courtroom Testimony for Expert Witnesses (24 Hours) Trial procedure Report writing techniques Effects of bias Moot court 	May 2019
 iNput Ace Video Evidence Training Symposium (15 Hours) Video Analysis with iNput Ace Trends in video analysis Issues with timing in video Digital video evidence recovery 	June 2020
 LEVA Level 4 – Advanced Forensic Video Analysis and the Law (40 Hours) Advanced video analysis techniques Creating demonstratives for court Preparation for advanced certification 	December 2020
 iNput Ace Video Evidence Training Symposium (12 Hours) Video evidence narrative techniques Issues with video timing Video evidence workflow 	March 2021
Amped Authenticate Training (20 Hours)Image and video authentication techniques	June 2021
 Amped FIVE Training (25 Hours) Forensic Video Analysis theory Workflow in Amped FIVE Digital image and video clarification techniques 	December 2021
 iNput Ace Video Evidence Training Symposium (12 Hours) Video investigation training Bias in video forensics Video compression refresher 	March 2022
<u>Court Testimony</u>	
 State of Ohio vs Thaddeus Bumgardner Common Pleas Court of Meigs County Expert Witness Qualification Testified concerning forensic audio analysis of evidence in a felonious assa 	June 29th, 2016 14 CR 117 ult trial
 State of Ohio vs Tony Cohen Common Pleas Court of Summit County Expert Witness Qualification Testified concerning forensic video analysis of evidence in an aggravated ro 	December 1st, 2017 2016-11-3966

 State of Ohio vs Mark Mabry Common Pleas Court of Richland County Expert Witness Qualification Testified concerning deleted file recovery and forensic video analysis of evia assault trial 	October 16 th , 2018 2018-CR-0255R dence in an aggravated
 State Medical Board of Ohio vs Atta Asef, D.P.M. State Medical Board of Ohio Expert Witness Qualification Testified concerning video authenticity in a State Medical Board adjudication 	August 21st, 2019 18-CRF-0038 on hearing
 State of Ohio vs Warriayre Armond Roundtree Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in an aggravated magnetic statement of the statement of the	December 11 th , 2019 18-CR-01669 nurder trial
 State of Ohio vs Andrew Kirk Mitchell Franklin County Common Pleas Court Expert Witness Qualification Testified concerning forensic video analysis of evidence in a murder trial 	April 7^ւ, 2022 19-CR-01662
<u>Professional Memberships</u>	

Law Enforcement and Emergency Services Video Association	August 2014 – Present
High Technology Crime Investigation Association	August 2018 - Present



P.O. Box 968 Grove City, OH 43123 Telephone: (614) 277-1000 Facsimile: (614) 277-1010

Chain of Custody Report

Lab Case	23-00011
Department Name:	BCI Richfield
Incident Number	2022-2918

Item # 1

Description : Flash Drive/Jump Drive/Thumb Drive Black SanDisk 32GB Flash Drive

<u>Date</u>	<u>Time</u>	Custody Of	Location / Person	Transaction By
01/18/2023	11:38	Clerical/Evidence	Nissa Low	Nissa Low
01/18/2023	12:00	Evidence Storage	Shelf A6	Nissa Low
01/18/2023	13:37	Clerical/Evidence	Nissa Low	Nissa Low
01/18/2023	13:37	Analyst	David F. Loomis	Nissa Low
02/15/2023	14:48	Evidence Disposal	Returned to Department	Matt S. Hilbert
Package	ed for ship	ment via FedEx.		
Item # W.P	. 1.1	Description : Flash Drive/	Jump Drive/Thumb Drive 8 gb f	lash drive
Date	<u>Time</u>	Custody Of	Location / Person	Transaction By
02/15/2023	14:49	Clerical/Evidence	Matt S. Hilbert	Matt S. Hilbert
02/15/2023	14:49	Evidence Disposal	Returned to Department	Matt S. Hilbert
		ment via FedEx.		

Organized Crime



Due Date

Ohio Inves

tigations Commission

ommission	01/18/2023	1	
	OOCIC Case Number	She	If Location
	23-00011		
			nplete this section) mber for Inquires

Priority Code

Submission Date

Evidence Submission Form

Submitting Agency (or OOCIC Task Force Number)		Case Investigator Name:	Submitting Investigator:
BCI Richfield		S/A Nick Valente	S/A Nick Valente
County:		Agency Case Number:	Court Date:
Summit		2022-2918	
Telephone Number:	Cell Phone Number	FAX Number:	
234-400-3622	614-208-8405	877-476-2195	
Mailing Address:		E-Mail Address:	
4055 Highlander Pkwy		nicholas.valente@ohioago.g	lov
Richfield, OH 44286			

Submitted Items: (OOCIC Evidence Tech will complete this section)

Item #	Description	Make	Model	Lot Number
1	Flash Drive/Jump Drive/Thumb Drive Black SanDisk 32GB Flash Drive			
W.P. 1.1	Flash Drive/Jump Drive/Thumb Drive 8 gb flash drive			

Requested Services: (Check all that apply)

Video	Video	Digital	Audio	Audio	Audio	Video	Audio	Video
Analvsis	Duplication	Photographs	Analvsis	Duplication	Reconst./Repair	Reconst./Repair	Redaction	Redaction
х		1-11						

Subject Information: (Complete as much as possible)

Subject Name:	Custody Status:	Sex:	Race:	DOB:
Zoran, Zachary	NC	Male	Caucasian	
Offense:	Date of Offense: Location: (City, C		, County)	
Officer Involved Shooting	12/26/2022 Barberton, Summit Cou		nty	

Additional information: (Data from Time Date Generator / Type of System / Court Date / Special Instructions. etc.) Please see attached sheet for specific production requests. This request for production is made in reference to an officer involved shooting which resulted in the death of the subject.

Submitted By:

S/A Nick Valente

Nissa Low

Evidence Tech: