

## Curriculum Vitae

### John F. Davis Jr., ACTAR

#### Profession:

Mr. Davis specializes in the investigation and reconstruction of motor vehicle collisions. He holds full accreditation in accident reconstruction from the Accreditation Commission for Traffic Accident Reconstruction (ACTAR). He has considerable experience downloading and analyzing leading edge digital forensics data from tractor-trailer and automobile electronic data recorders (ECM, EDR, RCM, ACM, CDR, black boxes, etc.), video event data recorders (DriveCam, SmartDrive, etc.), heavy truck telematics systems (Qualcomm, PeopleNet, etc.), Garmin and other personal GPS based devices, ABS systems (Bendix, Wabco, etc.), and numerous other devices. Mr. Davis has extensive experience inspecting and documenting the condition of braking systems on tractor-trailers and heavy trucks in order to determine their existing braking capability and applying that to the specifics of a particular collision. Mr. Davis is also trained in the interrogation and analysis of digital video evidence. He has experience analyzing videos from dash cameras, surveillance cameras, body cameras or other sources to make determinations of speed, time, distance, traffic signal sequences, use of turn signals, and other important factors used in accident reconstruction and producing demonstrative exhibits to highlight areas of concern.

#### Testimony:

Mr. Davis has been qualified as an expert in approximately 20 trials, has testified in more than 30 depositions in Florida and Alabama, and has testified more than 40 times before a Grand Jury in Alabama.

#### Certification:

Certificate of Full Accreditation from ACTAR– Registration #3329  
FAA Certified Remote Drone Pilot – Certificate # 4429733  
FAA Part 107 Small UAS Recurrent – Certificate # 1350216-20220909-0067  
Axon Investigate (iNPUT-ACE) – Certified Operator, Examiner, and Metrologist  
Certified Crash Data Retrieval (CDR) Technician and Analyst  
State of Alabama – APOSTC Specialized Instructor for Montgomery Police Department:  
(Accident Investigation, Traffic Homicide Investigation, Advanced Accident Investigation, and ARAS 360 HD Advanced Computer Diagramming & Animation)  
Certificate # I-2433  
Alabama Peace Officers Standards and Training Commission Advanced Academy, #18177

#### Experience:

*Bloomberg Consulting, LLC*- Gulf Breeze, FL  
2017 to present - Accident Reconstructionist

*Montgomery Police Department* - Montgomery, AL  
2015 to 2017 - Shift Commander - Lieutenant, North Precinct  
2012 to 2015 - Bureau Commander - Lieutenant, Accident Inv. & Traffic Homicide  
2009 to 2012 - Shift Commander - Sergeant, Accident Inv. & Traffic Homicide



*DynCorp International FZ-LLC - Afghanistan Police Program*

2009 to 2009 – Regional Commander - Gardez, Afghanistan

2008 to 2009 – Regional Training Coordinator - Konduz, Afghanistan

2006 to 2008 – Police Advisor Lead Trainer - Herat, Afghanistan

*Montgomery Police Department – Montgomery, AL*

2002 to 2006 - Shift Commander - Sergeant, Accident Inv. & Traffic Homicide

1998 to 2002 - Investigator - Corporal, Accident Inv. & Traffic Homicide

1995 to 1998 - Police Officer, Patrol Division

**Professional  
Associations:**

- ◆ Accreditation Commission for Traffic Crash Reconstruction (ACTAR)
- ◆ National Association of Professional Accident Reconstruction Specialists (NAPARS)
- ◆ International Network of Collision Reconstructionists (INCR)

**Professional  
Development:**

- ◆ Reconstructing Red Light Running Crashes at Signalized Intersections – Webinar based training and lecture covering; frequency of signalized intersection crashes, red light running mitigation methods, indecision zones, and calculating clearance intervals. *NAPARS*, Online, 10/2023
- ◆ A.D.A.S and Accident Reconstruction – Webinar based training and lecture covering; advanced driver assistance systems and autonomous vehicles, their performance limitations, their relation to EDR functions, and their effect on accident causations. *NAPARS*, Online, 8/2023
- ◆ Recon-3D Training Course – Webinar based training and lecture with hands on practical exercises and assignments covering the best practices for scanning with an iPhone and how to assure the accuracy of the 3D point cloud data. *Recon-3D*, Online, 6/2023
- ◆ WREX: World Reconstruction Exposition – Week-long educational forum for accident reconstruction professionals which included: in person presentations and lectures from experts in the field of Accident Reconstruction, Commercial Motor Vehicles, and Human Factors; live crash tests involving pedestrians, motorcycles, passenger vehicles and commercial vehicles; and vendor presentations of the latest accident reconstruction tools. *WREX 2023*, 4/2023
- ◆ Axon Investigate (iINPUT-ACE) Reverse Projection: Camera Match Overlay – Hands on training with Axon Investigate digital multimedia interrogation software concerning; 3D rendering and reconstruction, accurate measurements and calculations with documented margin of error, and reverse projection measurements. *Axon Investigate (iINPUT-ACE)*, Online, 10/2022
- ◆ Axon Investigate (iINPUT-ACE) Examiner Certification – Hands on training with Axon Investigate digital multimedia interrogation software concerning; video

investigations, video enhancements, technical issues, complex workflows, demonstrative exhibits, and creating reports. *Axon Investigate (iINPUT-ACE)*, Online, 10/2022

- ◆ Axon Investigate (iINPUT-ACE) Metrology: Calculating Speed from Video – Hands on training with Axon Investigate digital multimedia interrogation software concerning; calculating accurate timing using VFR Lightboard, variable refresh rates, video compression, and rolling shutter. *Axon Investigate (iINPUT-ACE)*, Online, 9/2022
- ◆ Axon Investigate (iINPUT-ACE) Operator Certification – Hands on training with Axon Investigate digital multimedia interrogation software concerning; user interface, video centric investigation, video evidence review, video codecs, proprietary players, and video investigation workflows. *Axon Investigate (iINPUT-ACE)*, Online, 9/2022
- ◆ Mack / Volvo Forensic Imaging Training - Hands on training as an Authorized User of the software tools for imaging Mack & Volvo event data recorders and the standardized reporting of the data. *DELTA |v|*, Charlotte, NC, 9/2021
- ◆ Video Evidence Training Symposium – Online training with iINPUT-ACE digital multimedia interrogation software concerning; legal issues, accurate timing, video recovery, and video analysis workflow. *iINPUT-ACE*, Online, 6/2020
- ◆ Virtual Crash Simulation Software – Hands on traffic collision analyses training utilizing VCRASH simulation software to; draw scale diagrams, manipulate 3D models and terrain environments, and create high definition animations and simulations. *vCRASH Academy & Forensic Training Group*, Sandy Springs, GA, 10/2019
- ◆ Aerial Photogrammetry Using PIX4D Mapper Software for Crash and Crime Scene Investigation – Hands on ‘crash/crime scene to courtroom’ workflow utilizing Pix4D generated images and point cloud data. *Forensic Mapping Solutions Inc.*, Hattiesburg, MS, 6/2019
- ◆ iINPUT-ACE: A Dynamic Video Workflow Engine – Hands on training with digital multimedia workflow including basic file interrogation techniques for the accurate interpretation of video images. *iINPUT-ACE*, Miami, FL, 5/2019
- ◆ Event Data Recorder in Traffic Crash Reconstruction: Update and Advanced Analysis Techniques – Training on the latest vehicle updates to the Bosch® Crash Data Retrieval (CDR) system, Hyundai/Kia systems and advanced analysis techniques for the extracted data. *Ruth Consulting*, Navarre, FL, 4/2018
- ◆ U.S. DOT Commercial Motor Vehicle Periodic Inspection & Maintenance Course, *U. S. Department of Transportation – Transportation Safety Institute*, Oklahoma City, OK, 9/2017
- ◆ Traffic Incident Management and Train the Trainer, *National Traffic Incident Management Responder Training Program*, Montgomery AL, 2/2015
- ◆ Crash Data Retrieval (CDR)Data Analyst Certification (Vehicle “Black Box” Systems), *Mississippi Highway Patrol*, Jackson MS, 9/2014
- ◆ Nikon Total Station and Train the Trainer, *ARAS 360*, 12/2012
- ◆ Advanced Computer Diagramming and Animation and Train the Trainer, *ARAS 360*, 12/2012

- ◆ Traffic Homicide Investigation: On Scene Photography, *Alabama Department of Public Safety*, 11/2012
- ◆ Crash Data Retrieval (CDR) Operator's Certification Course, *Montgomery Police Department*, Montgomery AL, 9/2011
- ◆ Laser Speed Measurement (LIDAR) Operator, *Montgomery Police Department*, Montgomery AL, 3/2010
- ◆ Commercial Vehicle Accident Reconstruction, *Institute of Police Technology and Management*, Selma AL, 4/2003
- ◆ Drager Operator, *Alabama Department of Forensic Sciences*, Montgomery AL, 1/2003
- ◆ Traffic Crash Reconstruction, *Institute of Police Technology and Management*, Selma AL, 9/2000
- ◆ Intermediate Investigative Seminar, *Montgomery Police Department*, Montgomery AL, 4/2000
- ◆ Quick Map Operator, *Montgomery Police Department*, Montgomery AL, 3/2000
- ◆ Doppler Radar Operator, *Montgomery Police Department*, Montgomery AL, 3/2000
- ◆ Advanced Accident Investigations, *Montgomery Police Department*, Montgomery AL, 7/1999
- ◆ Intoxilyzer 5000 Operator, *Alabama Department of Public Safety*, Montgomery AL, 6/1997
- ◆ Advanced Police Academy, *Montgomery Police Department*, Montgomery AL, 4/1996
- ◆ DWI Detection and Standardized Field Sobriety Test, *Montgomery Police Department*, Montgomery AL, 2/1996

## Teaching Activities:

- ◆ "State of Alabama Title 32: Rules of the Road", *Montgomery Police Academy*, Montgomery, AL, 2012-2015
- ◆ "Accident Investigations", *Montgomery Police Academy*, Montgomery, AL, 2013- 2015