



Brian O. Reeves, ACTAR

Consultant

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Background

Mr. Brian Reeves is an accredited Accident Reconstructionist with the Accreditation Commission for Traffic Accident Reconstruction (ACTAR # 2398) and holds multiple certifications in accident reconstruction.

Mr. Reeves worked in the law enforcement profession since 1994, where his duties consisted of patrol, driving while intoxicated enforcement, accident investigation and reconstruction, and as a major crime investigator. The major crime investigator responsibilities included on-scene investigations, evidence collection and documentation, and overall management of the initial crime scene. The crimes ranged from physical and sexual assaults to property crimes including burglary and thefts.

Mr. Reeves was a member of the Springfield Missouri Police Department reconstruction team and also led the team for 3 years as a Sergeant. He has conducted investigations and reconstructions on hundreds of accidents that included automobiles, motorcycles, pedestrians, and commercial motor vehicles. Mr. Reeves is certified in imaging, preserving, and analyzing a vehicle's event data recorder (EDR). He is also a certified FAA Drone Remote Pilot. Prior to the traffic unit, responsibilities as a patrol Sergeant included oversight of on-scene criminal investigations, active shooter events, and barricaded subjects.

Professional Engagements

• Vehicle Accident Reconstruction

- Traffic Accident Investigation – Missouri Law Enforcement (2016-2020), Sergeant of a traffic unit overseeing daily investigations including analysis and reconstruction of serious and fatal injury motor vehicle crashes.
- Traffic Accident Education – Missouri Safety Center (2012-Present), Lead instructor for the crash investigation courses including basic crash investigation through crash reconstruction.
- Traffic Accident Investigation – Civil Reconstruction Services (2011-2020), Responsible for investigation, analysis, and reconstruction of motor vehicle crashes requested by attorneys and insurance companies.
- Traffic Accident Investigations – Missouri Law Enforcement (1994-2016), Responsible for traffic accident investigations including analysis and accident reconstruction.

- **Criminal Investigations**

- Major Crime Scene Investigator - On-scene investigator for numerous different crimes including physical assaults, sexual assaults, domestic assaults, burglary, and other property crimes. Responsibilities included evidence gathering and documentation, prosecutorial assistance, and courtroom testimony.
- Scene Supervisor – Overall responsibility of numerous crime scenes and asset management. Oversight of Major Crime Scene Investigation and scene security.

Forensic Engagements

- **Vehicle Accident Reconstruction**

- Missouri (2018), Crash investigation and reconstruction of multiple vehicle fatal crash case oversight.
- Missouri (2015), Crash investigation and reconstruction of two-vehicle intersection crash with a bisected vehicle and fatal injuries.
- Missouri (2010), Crash investigation and reconstruction of motor vehicle crash involving a pedestrian with fatal injuries.

Professional Experience

- **Rimkus**

2024 – Present

- Consultant

Responsibilities include the investigation, analysis, and reconstruction of vehicle collisions, including single- and multiple-vehicle, collisions involving automobiles, commercial vehicles, motorcycles, and pedestrians. Services include damage analysis, calculating speeds from damage, testing of the coefficient of friction of roadways, time and distance analysis and relationships, lamp analysis, vehicle dynamics, and other accident reconstruction analysis. Provide collision site evidence analysis, forensic mapping, and digital scanning of collision sites and vehicles. The preparation and presentation of demonstratives for use in litigation. Imaging and analysis of EDR data.

- **Missouri Safety Center, University of Central Missouri**

2012 – Present

- Lead Instructor

Lead instructor for the Crash Series and the Accident Reconstruction courses. Coordinator of scheduling as well as teaching the course material. Additional responsibilities included a seat on the Governing Board of Directors for the Accreditation Commission for Traffic Accident Reconstruction (ACTAR). Active on the board from 2013 until 2023. Committee assignments included the Practical Crash Test and Continuing Education Units (CEU). Mr. Reeves was the Committee Chairman for the CEU Committee from 2019 until 2023.

- **McKinzie and Associates**

2016 – 2024

- Staff Reconstructionist

Provide reconstruction services to clients in the area of motor vehicle crash reconstruction. These services include but are not limited to forensic mapping, EDR imaging, and analysis of information provided.

- **Springfield Missouri Police Department**

1998 – 2020

- Police Officer

Responsibilities included general patrol, driving while intoxicated enforcement, traffic enforcement, and crash investigation. Crash investigation ranged from daily crash reports to major incidents involving fatal crash reconstructions. As a Sergeant, the duties included the oversight of those completing the investigations and review of all reconstructions submitted.

Education and Certifications

- **Criminal Justice B.S.with a minor in Safety and Security:** University of Central Missouri (1997)
- **ACTAR:** Accreditation # 2398
- **Part 107 FAA Drone Pilot**
- **Springfield MO Police Academy:** 912 hours (1999)
- **Missouri Type II Breath Alcohol Instrument** (2001-2016)
- **Illinois Association of Technical Accident Investigators (IATAI):** Member
- **Accident Investigation, Basic and Advanced:** Missouri State Highway Patrol (2008 and 2009)
- **Accident Reconstruction, Institute of Police Technology and Management:** Missouri State Highway Patrol (2010)

Continuing Education

- Hundreds of hours of training with an emphasis on traffic crash investigation, law enforcement, and skill development applicable to vehicle crash investigation.
- **Event Data Recorder:** Event Data Recorder Use in Traffic Crash Reconstruction (Institute of Police Technology and Management), Use of Delta V from EDR Data (Rick Ruth), Heavy Vehicle Event Data Recorder Use in Traffic Crash Investigation (Forensic Training Group), Advanced EDR Technician Techniques and Problem Solving (Illinois Association of Technical Accident Investigators)
- **Computer Programs:** Total Station/MapScenes (McKinzie and Associates), MapScenes Capture Animation (Collision Investigation Solutions), Public Safety Users Workshop (Pix4D)
- **Commercial Vehicles:** Commercial Motor Vehicle Accident Investigation (Missouri State Highway Patrol), Technical Reconstruction of Heavy Truck Crash (The Society of Accident Reconstructionists)
- **Conference Attendance:** World Reconstruction Exposition (WREX) 2016 and 2023, Illinois Association of Technical Accident Investigators (IATAI) 2017, 2018, 2019, and 2021