



William J. Casey, ACTAR

Consultant

7501 South Quincy Street, Suite 160
Willowbrook, IL 60527



(630) 321-1846

ExpertWitness@rimkus.com

Background

Mr. William Casey holds a B.A.S. degree in Computer Studies and is an Accredited Accident Reconstructionist through the Accreditation Commission for Traffic Accident Reconstruction (ACTAR# 3139). Mr. Casey started in 2004 as a Patrol Officer with the Burbank Police Department and currently holds the position of Deputy Chief. He has also served as an evidence technician, detective, sergeant, and lieutenant with the Burbank Police Department.

From 2010 to 2019, Mr. Casey was assigned to the Suburban Major Accident Reconstruction Team (S.M.A.R.T.) and held the positions of Team Leader and Commander. The S.M.A.R.T. is a multi-jurisdictional accident reconstruction team that consists of approximately 40 Chicagoland-area law enforcement agencies. While assigned to the S.M.A.R.T., he investigated hundreds of serious and fatal traffic collisions that involved motor vehicles, commercial vehicles, motorcycles, and pedestrians.

Mr. Casey's areas of expertise include motor vehicle crash reconstruction, motorcycle crash reconstruction, pedestrian/bicycle crash reconstruction, commercial vehicle crash reconstruction, and event data recorder (EDR) imaging and analysis. He has experience and training in crash scene mapping using a total station and hand measurements.

Forensic Engagements

• Accident Reconstructions and Investigations

- Burbank, IL (2018), Reconstructed a fatal traffic collision involving a motor vehicle and a pedestrian.
- Burbank, IL (2016), Reconstructed a severe injury traffic collision involving a single motor vehicle. EDR data was used in the crash analysis to confirm the vehicle speed from the calculations.
- Burbank, IL (2016), Reconstructed a fatal traffic collision involving a commercial vehicle and a bicyclist.
- Burbank, IL (2013), Reconstructed a severe injury traffic collision involving a motor vehicle and motorcycle.
- Burbank, IL (2012), Reconstructed a multi-vehicle fatal head-on traffic collision.

Professional Experience

- **Rimkus** **2024 – Present**
 - Consultant
Provides vehicle crash analysis to determine the cause and critical factors affecting the dynamics of a collision. Performs inspections of motor vehicle components, commercial vehicle components, and motorcycle components.
- **Burbank Police Department, Illinois** **2004 – Present**
 - Police Officer/Detective/Sergeant/Lieutenant/Deputy Chief/Traffic Accident Reconstructionist
Responded to fatal, severe injury, and no injury traffic collisions. Documented crash scenes; photographed crash scenes; collected evidence; interviewed witnesses, drivers, and suspects; reconstructed fatal and serious traffic collisions; and prepared traffic collision reconstruction reports.

Education and Certifications

- **Computer Studies, B.A.S.:** Robert Morris College, Chicago, IL (2003)
- **Accredited Accident Reconstructionist:** Accreditation Commission for Traffic Accident Reconstruction (ACTAR# 3139)
- **Certified Crash Reconstruction Specialist:** Illinois Law Enforcement Training & Standards Board Crash Reconstruction Specialist (Certificate# PTB10577)
- **Memberships:** Illinois Association of Technical Accident Investigators (IATAI)

Continuing Education

- **Canadian National Railway Freight Rail Industry Training:** Railroad Safety, Railroad Awareness and Grade Crossing Collision Investigation (2010, 2015)
- **Collision Safety Institute:** Crash Data Retrieval (CDR) Technician (2011, 2017)
- **Illinois Association of Technical Accident Investigators:** Pedestrian Crash Investigation and Field Testing (2023); Advanced EDR Technician Techniques and Problem Solving (2021)
- **Institute of Police Technology and Management:** Event Data Recorder Use in Traffic Crash Reconstruction – Level I (2022)
- **Lightpoint Data, LLC:** Point Clouds in Collision Reconstruction: Speed from Video and Crush from Photos (2021)
- **North East Multi-Regional Training:** Basic Traffic Accident Investigators (2010); Serious and Fatal Accident Investigation for Evidence Technicians (2007); Conducting a Complete On-Scene Reckless Homicide Investigation (2007)
- **Northwestern University Center for Public Safety:** Traffic Crash Reconstruction I (2012); Traffic Crash Reconstruction II (2012); Traffic Crash Investigation I (2011); Traffic Crash Investigation II (2011); Vehicle Dynamics (2011)