
Curriculum Vitae of Robert S. Sheffield

Traffic Crash Reconstructionist

ACTAR #2693

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Overview

I have been employed in the Public Safety field since 1993 until recently retiring from the Metropolitan Nashville Police Department, Nashville TN, on March 15, 2019. I was assigned to the Special Operations Division / Fatal Crash Investigations Unit as a supervisor in 2005 and worked at that assignment until my retirement.

Personal

- **Born November 2, 1964 in Ft. Worth, TX.**
- **Married with 2 children**

Formal Education

- **1992 University of Hawaii; Bachelor of Arts in History**

Current Employment

- **Retired from the Metropolitan Nashville Police Department, Nashville TN, on March 15, 2019. I was employed there for 25 yrs and 8 months.**

Previous Employment

- **Police Officer (Sergeant) – Metropolitan Nashville Police Department
Employed since 1993; I am responsible for the investigation and supervision of crashes involving fatal and life threatening injuries. I am also responsible for reviewing and approving all reconstructions. Additionally, I am responsible for the supervision of nine police officers assigned to the Day shift Crash Investigation Unit.**

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Accreditation

**Jul 2015 Accreditation Commission of Traffic Accident Reconstruction
Certificate of Full Accreditation #2693**

Specialized Traffic Safety Training

**Mar 2019 Bendix Interactive Training
Comprehensive Air Brake Systems Training (Online)**

**Feb 2019 Heavy Truck Reconstruction Techniques
Including Digital Forensics
Forensic Training Group, Nashville TN (40 hours)**

**Nov 2018 Crash Data Retrieval Analysis and Applications Course
Crash Data Specialists, Nashville TN (40 hours)**

**May 2016 Tennessee Traffic Crash Investigation and Safety Symposium
Tennessee Highway Patrol, Nashville TN (32)**

- > **Crash Test**
- > **Expert Testimony Presentation**
- > **Reconstruction of Motorcycle Crashes**
- > **Vectors, Kinematics, DeltaV**

**Jun 2015 Energy Methods and Damage Analysis in Traffic Crash Reconstruction
University of North Florida, IPTM Nashville, TN (40 hours)**

**May 2015 Tennessee Traffic Crash Investigation and Safety Symposium
Tennessee Highway Patrol, Franklin TN (32 hours)**

- > **Tire Construction applications in crash investigation**
- > **Pedestrian / Bicycle Investigations**
- > **Examination of hit and run investigations**

**Mar 2015 Crash Data Retrieval System Operators Course
Crash Data Specialists LLC, Nashville TN (8 hours)**

**Mar 2015 Crash Data Retrieval Analysis and Applications Course
Crash Data Specialists LLC, Nashville TN (32 hours)**

- Jun 2014** **Motorcycle Crash Investigation**
Tennessee Governor's Highway Safety Office, Murfreesboro TN (40 hours)
- May 2014** **Tennessee Traffic Crash Investigation and Safety Symposium**
Tennessee Highway Patrol, Franklin TN (24 hours)
- **Momentum Analysis**
 - **Rollovers and Occupant Kinematics**
 - **Electric Vehicle / Hybrid Vehicle Safety**
 - **Vehicle Advanced Safety Features**
- May 2014** **Crash Data Analyst Update**
Tennessee Traffic Crash Investigation and Safety Symposium (8 hours)
Franklin TN
- May 2013** **Tennessee Traffic Crash Investigation and Safety Symposium**
Tennessee Highway Patrol, Nashville TN (24 hours)
- **Vectors, Kinematics and Delta V Studies**
 - **Energy Concepts**
 - **Damage Profile Measuring Techniques**
 - **Adjusting Drag Factors for Spins and Hills**
 - **Critical Speed Yw**
- Mar 2013** **Crash Data Retrieval Data Analyst Course**
Northwestern University Center for Public Safety, Evanston IL (40 hours)
- Nov 2011** **Pedestrian / Bicycle Crash Investigation**
University of North Florida, IPTM, Jacksonville FL (40 hours)
- Sep 2011** **Close Range Photogrammetry Training**
DeChant Consulting Services on behalf of Photometrix, Nashville TN (24 hours)
- Sep 2010** **Close Range Photogrammetry Training**
DeChant Consulting Services on behalf of Photometrix, Nashville TN (32 hours)
- Jan 2010** **Crash Data Retrieval Analyst Course**
Collision Safety Institute, North Las Vegas NV (32 hours)
- Aug 2009** **Grade Crossing Collision Investigation**
IACP, Nashville TN (16 hours)
- Jun 2008** **ARC-CSI Crash Conference**
Las Vegas, NV
- **New Vehicle Technologies and Their Relationship to Crash Reconstruction Techniques**
 - **Momentum and Energy: a Code 3 Case Study**
 - **Judkins Law**
 - **Introduction to Close Range Photogrammetry**
 - **Reconstruction of Police Intervention Technique**
 - **Current Trends in Pedestrian Crash Reconstruction**
 - **Airborne Analysis**
- Nov 2007** **Acceleration and Vericom Familiarization**
Vericom Computers, Inc, North Las Vegas NV (16 hours)
- Nov 2006** **Traffic Crash Reconstruction**
University of North Florida, IPTM Nashville TN (80 hours)
- Jun 2006** **Advanced Traffic Crash Investigation**

Tennessee Governor's Highway Safety Office, Memphis TN (80 hours)

**Apr 2006 At-Scene Traffic Crash Investigation
Tennessee Governor's Highway Safety Office, Memphis TN (80 hours)**

**Jan 2006 Crash Data Retrieval System Operator Training Series
Collision Safety Institute, North Las Vegas NV (8 hours)**

**Feb 2006 Crash Data Retrieval System Analyst Course
Collision Safety Institute, North Las Vegas NV (32 hours)**

Teaching Experience

- **Teenage Driver Awareness Program – created curriculum and have been Primary Instructor since the program's inception in May 2011.**
- **Tennessee Integrated Traffic Analysis Network – Primary Instructor in teaching the electronic crash reporting system to personnel of Metro Nashville Police Department and Metro Nashville Parks Police**

Experience

My background in traffic crash reconstruction is varied and extensive. I have supervised, assisted in and reconstructed many different types of crashes including those involving commercial vehicles, motorcycles, pedestrians and bicyclists. In several of these investigations I have been the Primary Investigator and in others I have assisted in the reconstruction.

General Information

- **Coordinates or assists in the coordination of DUI & Seatbelt Checkpoints, Child Safety Seat Events**
- **Coordinates a semi-annual Seat Belt Compliance Study**
- **Conducted a Comparative Study of Contributing Factors in Fatality Crashes**
- **Responsible for planning and coordinating motorcade plans for visiting dignitaries**