

**STEVEN T. KEAN**

## **SUMMARY**

Over 20 years experience in traffic crash investigation and reconstruction Investigated in excess of 1,000 crashes.

Virginia State Police Trooper 1996-2017

- Accident Reconstruction Team member since 2001
- Accident Reconstruction Division Team Leader since 2008
- Member of the Virginia Multi-Disciplinary Crash Investigation Team

United States Marine Corps 1990-1996, served as a Military Policeman in Camp Lejeune, NC, Camp Butler, Okinawa, Japan and Camp Pendleton, CA.

## **CERTIFICATIONS**

Certificate of Full Accreditation as a Traffic Accident Reconstructionist from The Accreditation

Commission for Traffic Accident Reconstruction (ACTAR)-Registration #2577

Certified as a Crash Data Retrieval (CDR) Technician and Trainer

## **MEMBERSHIPS**

Virginia State Police Association

National Association of Professional Accident Reconstruction Specialists

## **SPECIALIZED TRAINING**

- Basic Traffic Crash Investigation, Virginia State Police, 1996
- At Scene Crash Investigation, Virginia State Police, 1999
- Level II Crash Investigation-Institute of Police Technology and Management (IPTM), 2000
- Railroad and Grade Crossing Crash Investigation-CSX Railroad, 2005
- Bicycle and Pedestrian Crash Investigation-Institute of Police Technology and Management (IPTM), 2005
- Forensic Mapping Using Total Stations, Virginia State Police, 2005
- Vista FX Software for Crash Reconstruction-Virginia State Police, 2005
- Level III Crash Reconstruction-Accident Analysis and Reconstruction, Inc., 2007
- Crash Investigation Refresher and Update-Virginia Commonwealth University, 2009
- Motorcycle Crash Investigation-Virginia Commonwealth University, 2010
- Advanced Crash Investigation and Reconstruction-Virginia Commonwealth University, 2010
- Bloodstain and Pattern Analysis-Virginia Division of Forensic Science, 2010
- Advanced Bloodstain and Pattern Analysis-Virginia Division of Forensic Science, 2010
- Crash Investigation Refresher and Update-Virginia Commonwealth University, 2010
- Bosch Crash Data Retrieval Technician, 2011
- Bosch Crash Data Retrieval Analyst-CSI Bosch, 2011
- Advanced Digital Photography for Crash and Forensic Investigations-Collision Analysis and Reconstruction Group, 2011
- Interview and Interrogations, 2011
- Special Problems in Crash Reconstruction Annual Conference-Institute of Police Technology and Management (IPTM), 2011
- Human Factors in Crash Reconstruction, An Introduction-Virginia Commonwealth University, 2011
- Human Factors in Crash Reconstruction-Crash Safety Group, 2011
- REID Interview and Interrogation Techniques-Reid and Associates, 2011

# FORCON INTERNATIONAL

- Pedestrian Crash Investigation- Collision Analysis and Reconstruction Group, 2011
- Pennsylvania State Police 12th Annual Collision Reconstruction Seminar-PA State Police, 2012
- Event Data Recorder Use In Traffic Crash Reconstruction-Institute of Police Technology and Management (IPTM), 2013
- Bicycle and Pedestrian Crash Investigation, Institute of Police Technology and Management (IPTM), 2013
- Crash Data Retrieval, Data Analyst Course, CSI, 2014
- Pennsylvania State Police 14th Annual Collision Reconstruction Seminar-PA State Police, 2014
- Crash Data Retrieval Trainer Certification Course, CSI, 2015
- Crash Data Retrieval Data Retrieval User Summit, CSI, 2015
- Tennessee Traffic Crash Investigation and Safety Symposium, TN Highway Patrol, 2015
- Tennessee Traffic Crash Investigation and Safety Symposium, TN Highway Patrol, 2017
- World Reconstruction Exposition (WREX 2016)
- Commercial Motor Vehicle Crash Investigation-Institute of Police Technology and Management (IPTM), 2016
- Edge FX Diagramming and Total Station training Course-Trimble Forensics, 2016
- Crash Data Retrieval Annual Summit, 2017
- Crash Team Division Monthly Training-Virginia State Police, 2001-2017
- Trimble SX-10 Factory Training – Trimble Forensics, 2017

## **QUALIFIED EXPERT WITNESS**

State	Courts	Counties/Cities
Virginia	Circuit Court	Hampton City, Gloucester County, York County

## **TEACHING ACTIVITIES**

Instructor - Basic Accident Investigation at the Virginia State Police Academy (2008, 2009)  
 Instructor - At Scene Crash Investigation Course Virginia State Police (2009)  
 Assisted in updating the At Scene Crash Investigation Manual for the Virginia State Police (2009)  
 Crash Investigation refresher and update course – August 2011, Radford, VA; September 2011, Henrico, VA  
 Advanced Crash Reconstruction Course, May 2012, Henrico, VA  
 Basic Crash Investigation VCU Police Department Academy, June 2012, Richmond, VA

### **Instructed Fundamentals of Crash Investigation and Reconstruction – (2 Week Course)**

- March 2014, James City County, VA
- June 2014, Central Shenandoah Criminal Justice Academy
- March 2015, Rappahannock Regional Criminal Justice Academy
- March 2015, Newport News, VA
- July 2015, New River Criminal Justice Training Academy
- January 2016, Suffolk, VA
- February 2016, Henrico, VA
- April 2016, Northern Virginia Criminal Justice Training Academy
- January 2017, Rappahannock Regional Criminal Justice Academy
- February 2017, James City County, VA
- April 2017, Central Shenandoah Criminal Justice Academy

### **Instructed Advanced Crash Investigation and Reconstruction – (2 Week Course)**

- August 2014, Central Shenandoah Criminal Justice Academy
- September 2014 James City County, VA
- December 2014, Virginia State Police
- April 2015, Rappahannock Regional Criminal Justice Academy

- June 2015, Newport News, VA
- July 2015, New River Criminal Justice Training Academy
- August 2015, New River Criminal Justice Training Academy
- June 2016, Northern Virginia Criminal Justice Training Academy
- July 2016, Suffolk, VA
- August 2016, Henrico, VA
- May 2017, James City County, VA

### Crash Data Retrieval Technician I

- May 2015, Virginia Beach, VA

### Crash Data Retrieval I and II

- December 2015, Southampton, VA
- December 2015, Richmond, VA
- September 2016, Culpeper, VA
- December 2016, Newport News, VA
- January 2017, Chesapeake, VA

Judicial Transportation Safety Conference – Topic: Crash Reconstruction and Event Data Recorders, August 2011.

TREDS DMV Conference, September 2011 – Topic Overview of: Crash Investigation.

Office of the Chief Medical Examiner, Local Medical Examiner Training – Topic Overview: Death Investigation and Scene Management, November 2011.

Office of the Chief Medical Examiner, Local Medical Examiner Training – Topic Overview: Death Investigation and Scene Management, April 2012.

VA Judicial Conference 2014, Event Data Recorders Display.

Commonwealth Attorneys Spring Institute – Crash Investigations – Event Data Recorder (EDR), April 2014.

16th Annual Mid-Atlantic DUI Conference – Crash Investigations – Event Data Recorder (EDR), April 2015.

Crashing in the Courtroom – March 2016, May 2016, July 2016, August 2016, February 2017, September 2017.

*A one day course for Commonwealth and Assistant Commonwealth Attorneys which covers the essentials for the prosecution of serious motor vehicle crashes, scene evidence, speed determination, vehicle dynamics, Event Data Recorder (EDR) analysis and related matters.*

Judicial Conference, Norfolk, VA, September 2016 – Presented a paper and overview of the event data recorder.

2017 Virginia Specialized Transportation Safety and Management Conference – Crash Investigation and Reconstruction.