

STEVEN T. KEAN
TRAFFIC SAFETY CONSULTANTS, INC.

Gaskins Centre I
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EXPERIENCE

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

Over 20 years experience in traffic crash investigation and reconstruction

Investigated in excess of 1,000 crashes

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

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

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

Bendix Air Brakes Training School, 2017

Crash Data Retrieval Annual Summit, 2018

Accessing and Interpreting Heavy Vehicle Event Data Recorders, SAE International, 2018

Crash Data Retrieval Annual Summit, 2019

iINPUT-ACE Video Analysis Training – iINPUT-ACE, 5/2019

2019 FMCSA Compliance Training – Transportation Risk Management, Richmond, VA 8/2019

Tire Forensics- T.J. Tennent, 3/2021

Advanced Applications of Heavy Vehicle EDR Data, 5/2021

RECON 3D Training Course, June 2023

Update on Heavy Vehicle Event Data Recorders, July 2023

TESTIMONY

Qualified and Testified in Circuit Court, Virginia

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

Crash Reconstruction Update and Overview FCCI Insurance Group, June 2023

MEMBERSHIPS

Virginia State Police Association

National Association of Professional Accident Reconstruction Specialists

Society of Automotive Engineers