Scott Sayban | Forensic Consultant, Investigator, Collision Reconstruction

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Professional Summary:

Mr. Sayban is a court recognized expert in collision reconstruction, with over 30 years of experience. He has been involved over 1,800 at-scene collision investigations and has reviewed hundreds more. He has extensive experience in collision scene diagramming, including 2D and 3D animation, Total Station mapping, 3D scanning and photogrammetry. Mr. Sayban's collision scene investigations have included trains, planes, helicopters, off-road vehicles as well as all types of road vehicles. Mr. Sayban also has experience in investigating Workmen's Compensation and fraud claims. Mr. Sayban is also well versed in the collection and preservation of physical evidence. Mr. Sayban has been involved in the design and collection of data for staged collision training and the instruction of vehicle dynamics courses.

Areas of Expertise:

- Collision Investigations and Reconstruction of passenger vehicles, commercial vehicles, off-road vehicles, trains, pedestrians, motorcycles and bicycles.
- Certified Event Data Recorder Technician
- Certified Event Data Recorder Analyst
- Occupant Kinematics

Licenses and Certifications:

Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #2739

Certified Crash Data Retrieval (CDR) Technician and Analyst

Certified Investigator, Rio Salado College, Arizona

Certified General Instructor, Arizona Peace Officer Standards and Training Board

Certified Radar Operator

Project Experience:

Dual Helicopter Mid-Air Collision Scene Investigation, Phoenix, AZ
Tasked with the investigation of the entire ground area documentation and collection of evidence for the FAA and NTSB, covering a quarter mile. This involved total station mapping of several scenes to map together to create the finished diagram product, which also took into account wind direction at the time of the collision.

Passenger Vehicle Collision Analysis, Phoenix, AZ
Tasked with the at-scene investigation of a single vehicle collision involving an occupant being thrown from the vehicle during a high-speed rotation. The collision was reconstructed using a total station, occupant kinematics and rotational analysis.

Off-Road Vehicle Collision Analysis, Phoenix, AZ
Tasked with analysis of a fatal collision involving a dirt bike and a quad colliding from a blind corner of native foliage. The collision was reconstructed with the use of a total station after identifying proper tire marks in the dirt for the involved vehicles. The use of energy computations was used in the determination of vehicle speeds at the point of impact.

Heavy Rail Train and Pedestrian Collision, Phoenix, AZ
Tasked with documentation and establishing the sequence of events resulting in the collision between the train and pedestrian. The Project included the retrieval and review of the trains data recorder and timing and activation of the crossing signals.

Court Qualifications/ Depositions:

Mr. Sayban has testified hundreds of times in court and depositions including municipal court, county court, federal court and superior court in Phoenix, AZ from 1987 to 2014

Professional Experience:

EFI Global, Inc., VAR Team – Forensic Consultant, 2022 - Present
Infortal Worldwide, Investigations Manager, 2018 - 2020
Stanford Healthcare and clinics, Lead Security Officer, 2015 – 2018
G4S Compliance and investigations, SIU Investigator, 2014 – 2015
Phoenix Police Department, Detective, 1987 - 2014

Specialized Education:

26th Annual Anti-Fraud Conference, NCFIA, CDAA, CDI and NICB, 2015
25th Annual Anti-Fraud Conference, NCFIA, CDAA, CDI and NICB, 2015
ARC-CSI Crash Conference, ARC Network, 2013
Crash Data Retrieval Summit, Crash Data Group, 2013
Faro Focus 3D Laser Scanner, Allen Instruments, 2012
Digital Photography for Traffic Crash Investigations, IPTM, 2012
Event Data Recorder Technician and Analyst, IPTM, 2011
Occupant Kinematics for Traffic Crash Reconstruction, IPTM, 2011
Grade Crossing Collision Investigation, Burlington Northern & Santa Fe Railroad Co., 2009
Bosch Standardized Crash Data Retrieval Data, Technician/ Analyst, Collision Safety Inst., 2008
Special Problems in Traffic Crash Reconstruction, IPTM, 2008
Commercial Vehicle Collision Investigation and Air Bake Systems, Dr. Rudy Limpert, 2007
Traffic Crash Reconstruction Update, IPTM, 2006
Human Factors in Traffic Crash Reconstruction, IPTM, 2005
Speed Determination from Collision Damage, Collision Reconstruction Engineers Inc, 2005
Special Problems in Traffic Crash Reconstruction, IPTM, 2004
Transit Rail Incident Investigations, U.S. Department of Transportation, 2003
Inspection and Investigation of Commercial Vehicle Crashes, IPTM, 2002
Special Problems in Traffic Crash Reconstruction, IPTM, 2002
Occupant Kinematics/Injury Mechanisms, Motor Vehicle Collisions, U.C. California, Riverside, 2001
Vehicle Dynamics, Northwestern University, 2000
Acceleration and VC2000PC Training, Vericom, 2000

Pedestrian/ Bicycle Accident Investigations, IPTM, 1999
Arizona Post General Instructor, Arizona Post, 1999
Arizona Vehicular Homicide/ DUI Conference, The Governor's Office of Highway Safety, 1998
Investigation of Motorcycle Accidents, IPTM, 1998
Applied Physics for the Traffic Accident Investigator, IPTM, 1998
Traffic Accident Reconstruction, IPTM, 1998
Advanced Accident Reconstruction, Texas A&M University, 1997
Investigator Certification, Rio Salado College, 1997
Advanced Traffic Accident Investigations, IPTM, 1997
Fundamentals of Accident Reconstruction, The Governor's Office of Highway Safety, 1995
Advanced Accident Investigations, Arizona Law Enforcement Officer's Advisory Council, 1993

Education:

Bachelor's Degree in criminal justice, California Coast University, Santa Ana, CA. Attending

Affiliations:

California Association of Accident Reconstruction Specialists (CA2RS)
Northern California Fraud Investigators Association (NCFIA)
Phoenix Law Enforcement Association (PLEA)

Courses Instructed/ Guest Lecturer:

Collision Reconstruction and Evidence Collection
At-scene Collision Investigations
Courtroom Demeanor
Vehicle Dynamics
Visual Statements Edge FX
Arizona Traffic Law

Honors and Awards:

Employee of the Month, Stanford Healthcare and Clinics, 2018
Police Chiefs Unit Award, Phoenix Police Department, 2013
Recognition of Excellence, Phoenix Police Department, 2012
Certificate of Recognition, Phoenix Police Department, 2010
Police Chiefs Unit Award, Phoenix Police Department, 2007
Distinguished Service Award, Phoenix Police Department, 2008
Distinguished Service Award, Phoenix Police Department, 2007
Employee of the Month, Phoenix Police Department, 1996
Employee of the Month, Phoenix Police Department, 1995
Certificate of Recognition, Phoenix Police Department, 1995
Certificate of Recognition, Phoenix Police Department, 1995
Medal of Lifesaving, Phoenix Police Department, 1989
Employee of the Month, Phoenix Police Department, 1989