

CURRICULUM VITAE

STEVEN COOPER

Court Qualified Traffic Accident Reconstructionist

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SUMMARY OF QUALIFICATIONS:

- ...32 years law enforcement experience
- ...38 years traffic accident investigation experience
- ...32 years traffic accident reconstruction experience

PROFESSIONAL EXPERIENCE:

1989 - Present Traffic Accident Reconstructionist

Has investigated and rendered opinions regarding time, distance, speed, damage analysis, collision forces, and causation. Has testified and qualified in civil, criminal, and administrative hearings.

1977 - 2009 LOS ANGELES POLICE DEPARTMENT

Department Fleet Safety Coordinator 1994 - 2009

Department's subject matter expert reviewing 14,000 plus officer involved traffic collisions, providing command and staff officers analysis of causation. Rendered opinions in Department personnel administrative and appeal trials.

Specialized Collision Investigation Detail (S.C.I.D.) 1990 - 2009

As a member of this detail, was trained in accident reconstruction, causation and analysis; investigated and reconstructed major injury, death and minor traffic accidents to seek out and document latent contributory factors; conducted investigations and rendered opinions for Departmental actions, the L.A. City Attorney's office and L.A. District Attorney's office in the reconstruction field for criminal and civil litigations. Consulted and reconstructed traffic accidents for Traffic Division Accident Follow-up Detectives.

West Traffic Division - Traffic Accident Investigator- Training Officer 1983-1990

Investigated and reported approximately 10,000 traffic accidents; supervised other officers at major traffic accidents; trained new officers in traffic accident investigation.

Basic Accident Investigation School - Coordinator and Instructor

Los Angeles Police Academy

Basic accident investigation and reporting procedures, skid identification, lamp analysis and diagramming.

Intermediate Accident Investigation School - Coordinator and Instructor

Los Angeles Police Academy

Instructed classes in speed computation from tire marks; tire mark identification; vehicle/roadway drag factor determination.

Enhanced/Technical Accident Investigation - Instructor

Los Angeles Police Academy

Instructed classes in damage analysis, principle direction of thrust, advanced diagramming.

Vehicle Dynamics School - Coordinator and Instructor

Los Angeles Police Academy

Instructed classes in damage analysis, principle direction of thrust, energy and momentum calculations.

EDUCATION AND TRAINING

- 1991 – Present Southwestern Association of Traffic Accident Investigators (SATAI)
Ongoing on-scene staged collision testing and classroom training in all areas of Traffic Accident Reconstruction - Phoenix, AZ
- 2007 - Present California Association of Accident Reconstruction Specialists (CAARS)
Ongoing training classes in the field of Traffic Accident Reconstruction.
San Jose, CA
- 2009 Human Factors in Traffic Crashes, Jeff Muttart, Accident Dynamics Research Center
40hrs in driver responses to various conditions & vehicle lamp mapping techniques
- 2007 Forensic Mapping System, MJC & Associates
Training in the use of the Total Station to measure a collision scene.
Riverside Sheriff's Department
- 2006 Computer Aided Diagramming
Using Crash Zone to render scale crime and traffic collision scenes
Ventura County Sheriff Department
- 1996 Texas A&M, Texas Engineering Extension System
Impact Bio-Mechanics of Traffic Accidents
Vehicle analysis systems related to occupants and vehicles
Occupant Kinematics and Delta V analysis - San Diego, CA
- 1994 Bicycle / Pedestrian Accident Reconstruction
Pedestrian and bicycle trajectories related to post-impact velocities, impact dynamics
based on vehicular physical evidence and combining on-scene field testing.
Calabasas, CA
- 1991 Northwestern University - Traffic Institute
Traffic Accident Reconstruction II - Phoenix, AZ
- 1990 Microcomputer Assisted Traffic Accident Reconstruction, EDCRASH
Vehicle damage analysis, related to Collision Deformation Classification and
Principle Direction of Force in determination of occupant Delta-V.
Evanston, IL
- 1989 Traffic Accident Reconstruction I
Vehicle Dynamics - Los Angeles, CA
- Los Angeles Police Department
- 1984 Intermediate Accident Investigation
- 1983 Basic Accident Investigation

CERTIFICATIONS - LICENSES - AFFILIATIONS:

State of California, Department of Justice, P.O.S.T. - Basic, Intermediate & Advanced
California Association of Accident Reconstruction Specialists (CAARS) - San Jose, CA
Southwestern Association of Technical Accident Investigators (SATAI) - Phoenix, AZ
Los Angeles Police Department - Retired

(Rev. Feb 2021)