

Curriculum Vitae

C. Dean Brewer
Traffic Collision Reconstruction
And Computer Animation Specialist
ACTAR #1225

EDUCATION:

- Associate of Arts San Bernardino Valley College
- Seeking Bachelor of Arts (Senior year) California State University San Bernardino

PROFESSIONAL EXPERIENCE:

Collision Reconstruction Expert

- The Brewer Group (2005-2007)
 - Forensic reconstruction of Traffic Collisions
 - Computer animation and collision sequencing
- Collision Consultants, Inc. (2006 to Present)
- Collision Dynamics (2008-Present)

Police Department Traffic Division Supervisor

- Azusa Police Department (6 years)
 - Traffic division collision investigation and enforcement coordinator
 - Grant author and coordinator
 - Coordinate traffic collision investigations
 - Investigate traffic collisions
 - Train department personnel
 - Expert traffic collision reconstructionist
 - Administrative duties

Patrol Field Supervisor

- Azusa Police Department (4 years)
 - Patrol city streets
 - Coordinate dynamic field incidents
 - Coordinate complex crime scene investigations

Traffic Officer (Motorcycle)

- Azusa Police Department (6 years)
 - Traffic collision reconstruction and investigation
 - Traffic law enforcement
 - Drunk driving task force

Patrol Officer

- Azusa Police Department (2 years)
 - Patrol city streets
 - Crime scene investigation
 - Evidence collection and photography
 - Traffic collision investigation
 - Drunk driving enforcement
 - Courtroom testimony

Related Experience

- Qualified collision investigation and reconstruction expert in municipal and superior court (4 municipal court and 1 juvenile court – criminal, 4 municipal court and 3 arbitrations – civil)
- Accredited as a collision reconstructions by the Accreditation Commission for Traffic Accident Reconstruction (accreditation #1225)
- Investigated over 3000 traffic collisions; assisted, reconstructed or reviewed an additional 3000 investigations
- Member of the National Association of Professional Accident Reconstruction Specialists (NAPARS)
- Member of the California Association of Accident Reconstruction Specialists (CAARS)
- Member of the City of Azusa Traffic Safety Council

Training List (709 hours)

- Basic Collision Investigation, Los Angeles County Sheriff's Department (40 hours)
- Intermediate Collision Investigation, Los Angeles County Sheriff's Department (40 hours to include skid analysis and speed from skid determination)
- Advanced Traffic Collision Investigation, Ventura County Criminal Justice Center (80 hours, to include skid analysis, tire mark analysis, speed from yaw determination and energy from crush)

- Traffic Collision Reconstruction, Riverside County Academy of Justice (80 hours, to include energy from crush, speed from momentum calculations, vehicle mechanical inspections and seatbelt analysis.)
- Pedestrian/Bicyclist Accident Reconstruction, Texas A&M University hosted at Edward's AFB (40 hours, to include in person test crashes with anthropomorphic dummies and empirical studies and formulas to determine speed of vehicle)
- Advanced Traffic Collision Reconstruction, Texas A&M University hosted in Los Angeles (40 hours, to include further derivation of the momentum equation and vector diagramming)
- Traffic Collision Investigation and Reconstruction Seminar, Concord CA (20 hours)
- Heavy Vehicle Reconstruction, California Association of Accident Reconstruction Specialist (24 hours)
- Grade Crossing Collision Investigation, Union Pacific Railroad, Los Angeles CA (8 hours)
- Traffic Safety Workshop for Law Enforcement Professionals, San Diego, CA (8 hours)
- Evaluating Crashes for Injury Potential Conference, Las Vegas, NV (16 hours, to include seatbelt analysis and airbag deployments)
- ARC Network – Collision Safety Institute Crash Conference (2004), Las Vegas, NV (28 hours, to include)
- Advanced Collision Diagramming and 3D Animation, Visual Statement, Santa Ana, CA (40 hours)
- ARC Network – Collision Safety Institute Crash Conference (2005), Las Vegas, NV (28 hours) Pedestrian and Bicycle Crashes. To include Human Factors, Airbag Deployment Thresholds and seatbelt usage, Commercial Vehicle EDR data, Crash data, Commercial Vehicle Crashes, Damage and Energy Concepts, Child safety Seats, Pedestrian Crash Analysis and Pedestrian crash injuries.
- ARC Network – Collision Safety Institute Crash Conference (2006), Las Vegas, NV (28 hours) Motorcycle and Recreational Vehicle Crashes. Included Aerial Photo Analysis, Motorcycle crash information, Friction applications and Momentum with secondary contacts.
- California Association of Accident Reconstruction Specialists 2nd Quarter training (2006), Riverside, CA (8 hours). Basics of Traffic collision Photography.
- California Association of Accident Reconstruction Specialists Annual Conference (2006), South Lake Tahoe, CA (24 hours) Crash Reconstruction, Start 2 Finish. To include scene inspections, on-scene/post-scene vehicle inspection to include seatbelt analysis, occupant injury causation and autopsies indicators and speed calculations.
- California Association of Accident Reconstruction Specialists 2nd Quarter training (2007), Forensic Mapping (8 hours)
- ARC Network – Collision Safety Institute Crash Conference (2007), Las Vegas, NV (28 hours) Vehicle to Vehicle Collisions and Change of Speed Data
- California Association of Accident Reconstruction Specialists Quarterly 1st Quarter training (2008), Bicycle crashes and bicycle inspections (8 hours).
- ARC Network – Collision Safety Institute Crash Conference (2008), Las Vegas, NV (28 hours), Motor cycle crashes, vehicle to vehicle low and high speed crashes and Crash Data Recorder associated with tested vehicle crashes.

- California Association of Accident Reconstruction Specialists Quarterly training (August 2008), Vehicle Factors for Crash Reconstruction (8 hours)
- ARC Network – Collision Safety Institute Crash Conference (2009), Las Vegas, NV (28 hours), Commercial Vehicle Dynamics, Air Brakes, Motorcycle Braking, Optics, lighting and Visibility, and Nighttime Driver Response.
- ARC Network – Collision Safety Institute Crash Conference (May, 2010), Las Vegas, NV (28 hours): PDOF, Accelerometers for skid testing, Low Speed Crash Analysis, Commercial Motor Vehicle Forensic Inspections and Crash Test reviews.
- California Association of Accident Reconstruction Specialists Annual Training (October 2010), South Lake Tahoe: Fundamentals of Energy Analysis, Crush and Delta V's, Conservation of Energy (21 hours).