



# *Kauderer & Associates, Inc.*

**Traffic Accident Reconstruction Experts**

## **CURRICULUM VITAE OF**

### **BILL FOCHA**

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#### **AREAS OF EXPERTISE**

- Traffic Collision Reconstruction
- California Licensed Class A Commercial Driver
- Federal and State regulations and codes pertaining to operation/maintenance of vehicles
- Mechanical and Safety Inspections of vehicles
- Commercial Vehicle Accident Investigation and Reconstruction
- Commercial Vehicle Mechanical, Forensic and Safety Inspections
- Commercial Vehicle Federal and State Regulations and Codes
- Commercial Vehicle Air Brake Systems
- Certified Brake Inspector 49 CFR Part 396.25
- Certified Inspector 49 CFR Part 396.19
- Commercial Vehicle ECM (Electronic Control Module) Downloads and Interpretation
- Emergency Vehicle Operation
- Crash Testing

#### **EMPLOYMENT HISTORY**

NC Mechanical, Tryon, NC	2020- Present
North Coast Truck Inspections, Forestville, CA	1999 – Present
University of North Florida	2014 – Present
University of Tulsa Crash Research Consortium	2014 - 2016
Sonoma County Sheriff's Office, CA	1996 – 2011
Forestville Fire Protection District, CA	1990 – 2005
Oakland Police Department, Oakland, CA	1987 – 1996

#### **RELATED EXPERIENCE**

NC Mechanical – Owner

- Conduct post-collision forensic vehicle inspections of all types of on and off highway vehicles.
- Conduct safety and preventative maintenance inspections of commercial vehicles.
- Assist in the testing of vehicles in a variety of collision related tests.
- Service and repair commercial vehicles, farm implements and heavy equipment

North Coast Truck Inspections - Owner

- Conduct safety and preventative maintenance inspections on commercial vehicles.
- Conduct smoke opacity testing on commercial vehicles.
- Set up of safety and preventative maintenance programs for trucking companies.
- Conduct post-collision forensic vehicle inspections.
- Assist in the testing of vehicles in a variety of collision related tests.
- Coordinate specialty and oversize load moves upon the public roadways
- Service and repair commercial vehicles and heavy equipment

World Reconstruction Exposition 2023 (WREX2023)

Board of Directors Member  
Crash Committee Chairman

World Reconstruction Exposition 2016 (WREX2016)

Board of Directors Member  
Crash Committee Chairman

Coordinated all crash testing for the WREX conference.

Oversaw the 25 plus crash tests

Insured the safety of the 600 plus spectators at the crash day event

Supervised over 60 people, four Crash, Data Collection, Evidence Marking, Photography Mapping and Data Preservation teams over.

Designed and build two of the devices used in the motorcycle crash testing.

Presenter, IFT Day, Air Brakes Inspection Hands on Lab

University of North Florida, Institute of Police Technology and Management

- Adjunct Faculty
- Commercial Vehicle Inspection and Reconstruction

University of Tulsa, Crash Reconstruction Research Consortium

- Collision Testing/Safety Coordinator

Sonoma County Sheriff's Office – Deputy Sheriff.

Assigned to the Town of Windsor Police Department as a Traffic Officer performing the duties of traffic enforcement, accident investigation, commercial vehicle inspection and enforcement.

- Conducted over 100 Level 1 commercial vehicle inspections.
- Issued citations for violations of the rules of the road and mechanical condition of vehicles.
- Conducted fatal traffic collision investigations.
- Primary investigating officer in a fatal traffic collision determined to be a murder case.
- Law enforcement coordinator for the "Every 15 Minutes" program at Windsor High School.

Oakland Police Department – Police Officer

- Motorcycle Officer
- Accident Follow-up Investigator
- Court Officer
- Traffic Division
- Member of Fatal Accident Response Team
  - o Primary investigating officer in over 2,500 collisions.
  - o Assisted in the investigation or conducted follow-up on 10,000 collisions.

- Primary investigating officer in 50+ fatal collisions.
- Assisted in the investigation of 200+ fatal collisions.
- Over 300 arrests for DUI.
- Issued over 15,000 citations.

California Association of Accident Reconstruction Specialists (CA<sup>2</sup>RS)

- Active member in good standing
- Member of the Board of Directors.
- Taught at the Association's annual conference and quarterly trainings.
- Coordinated and participated in live crash testing of automobiles, commercial vehicles, bicycles, motorcycles and pedestrians.
- Drove bullet car during Vehicle vs. Pedestrian crash testing.
- Co-chair for 2004 and 2013 Conferences.
- Coordinated live crash testing of 50+ motorcycle vs. passenger vehicle collisions.

Forestville Fire Protection District – Volunteer Fire Fighter

- Responded to a wide variety of emergency and non-emergency calls.
- Fire Fighter of the Year 1998.

**PUBLISHED WORK**

Now for a Commercial Break, an advice column.

Answering members questions about commercial vehicles and related topics  
California Association of Accident Reconstruction Specialists quarterly news letter.

25 Moving Motorcycle into Stationary Car Tests CA<sup>2</sup>RS 2009 Data  
Accident Reconstruction Journal Vol. 23 No. 4 July/Aug 2013  
Coauthored with Wade Bartlett and Chris Kauderer

Motorcycle Sliding Friction for Accident Reconstruction  
Institute for Motorcycle Safety, 10<sup>th</sup> International Motorcycle Conference, Cologne Germany  
Coauthored with Lou Peck and Toby Gloekler

**EDUCATIONAL BACKGROUND**

Oakland Basic Police Academy, Oakland, CA 800 hours

California Highway Patrol Academy, Bryte, CA 640 hours

Columbia College, Columbia, CA  
Emergency Medical Technician,  
Radiation Accident Management, Fire Hydraulics,  
Fire Investigation I & II, Intro to Fire Suppression,  
Strategy and Tactics I & II, Wild Land Fire Control.

Merritt College, Oakland, CA  
Juvenile Law, Evidence I & II, Legal Aspects of  
Evidence, Criminal Investigation, Intro to Administration  
of Justice, E.M.T. 1a Re-certification, Hazardous  
Materials, Fire Company Organization.

Saint Joseph's High School, Alameda, CA 1979 Diploma

## SPECIALIZED TRAINING

- CA2RS Annual Conference, Palm Springs, CA
- University of North Florida, Institute of Police Technology and Management, Traffic safety Symposium, Orlando, FL.
- Petersen Caterpillar, Disc Brake Class Santa Rosa, CA
- Society of Automotive Engineers (SAE), Accessing and interoperating Heavy Vehicle Event Data Recorders, Appleton, WI
- CA2RS Quarterly Training, Mathematics and Physics Review, Sacramento State University, Sacramento, CA
- Petersen Caterpillar, Service, Repair and Sizing Power Take Off Units, Santa Rosa, CA
- CA2RS Annual Conference 2018, South Lake Tahoe, CA
- CA2RS Quarterly Training, Drone use in Traffic Collision investigations, Vallejo, CA
- Society of Accident Reconstructionist, Commercial Vehicle Symposium, Denver, CO
- Safety and Compliance Seminar, Petersen Tractor, Ideal Lease, Santa Rosa, CA
- Pennsylvania State Police Collision Reconstruction Seminar, Gettysburg, PA
- CA2RS Annual Conference 2017, Orange, CA
- University of North Florida, Institute of Police Technology and Management, Traffic safety Symposium, Orlando, FL.
- CA2RS Quarterly training, Work Zone Collision Investigation, Vallejo, CA
- CA2RS Annual Conference, Collision Reconstruction using simulations, S. Lake Tahoe,
- WREX2016 Conference, Orlando, FL.
- CA2RS Quarterly Training, Signalized intersection collisions, Vacaville, CA
- CA2RS Annual Conference, Reconstruction Methods, Anaheim, CA
- Truck-Lite LLC Master Lighting and Harness Technician, On line class
- CA2RS Quarterly Training,
- University of North Florida, Institute of Police Technology and Management, Special Problems in Collision Reconstruction Conference Still Water, FL.
- University of Tulsa Digital Forensics of Heavy Vehicle Event Data Recorders, Tulsa, OK
- CA2RS Annual Conference, Reconstruction Methods, South Lake Tahoe, CA
- Collision Safety Institute, CDR Technician Class, Sacramento, CA
- Institute for Motorcycle Safety, 10th International Motorcycle Conference, Cologne Germany
- Illinois Association of Technical Accident Investigators Conference, East Peoria, IL
- University of North Florida, Institute of Police Technology and Management, Special Problems in Collision Reconstruction Conference, St. Pete Beach, FL.
- Delta Community College CCDET II – Heavy Duty Diesel Engine Emissions Control Course, 8 hours, Stockton, CA
- Delta Community College CCDET I – Heavy Duty Diesel Engine Emissions Control Course, 8 hours, Stockton, CA
- CA2RS Annual Conference, Commercial Vehicle Collisions, 30 hours, Long Beach. CA 2013
- University of North Florida, Institute of Police Technology and Management, Special Problems in Collision Reconstruction Conference, St. Pete Beach, FL.
- Society of Automotive Engineers, Accessing and Interpreting Heavy Vehicle ECM's Seminar.
- CA2RS Annual Conference, Motorcycle Collisions, 30 hours, South Lake Tahoe, CA 2012
- CA2RS Annual Conference – 30 hours, Anaheim, CA, 2011
- CA2RS Quarterly Training – Vehicle Collisions, 8 hours, Roseville, CA, 2011
- College of Alameda CCDET – Heavy Duty Diesel Engine Emissions Control Course, 8 hours, Alameda, CA, 2011
- CA2RS Quarterly Training – Investigating Railroad Grade Crossing Collisions, 8 hours, Vacaville, CA, 2011
- Colorado State Patrol - Alive @ 25 in-service update, 8 hours, Santa Rosa, CA, 2011

- The George Washington University - National Crash Analysis Conference, 32 hours, Ashburn, MD, 2010
- ARC-CSI Conference – 30 hours, Las Vegas, NV, 2010
- The University of Tulsa - How to Interpret Commercial Vehicle Event Data Recorders, 36 hours, Tulsa, OK, 2010
- CA<sup>2</sup>RS Qtrly Training – Investigating Roll-Over Collisions, 8 hours, San Jose, CA, 2010
- NAPARS – Heavy Vehicle Crash Reconstruction, 24 hours, Ocean City, MD, 2009
- Bendix Air Brake – Introductory Class, 8 hours, Ocean City, MD, 2009
- CA<sup>2</sup>RS – Annual Conference, 20 hours, Anaheim, CA, 2009
- ARC-CSI Conference – 30 hours, Las Vegas, NV, 2009
- MGM Brakes – Brake TECH, Self Study Training Program, MGM Brakes, 2009
- Colorado State Patrol – Alive @ 25 in-service update, 10 hours, Santa Rosa, CA, 2009
- Crash Data Recorders Users Group Conference, 24 hours, Houston, TX, 2009
- CA<sup>2</sup>RS Qtrly Training – Biomechanical Issues, 8 hours, CA, 2009
- Stopping the Big Rigs Correspondence Course, Halidex Knowledge Zone Technical Training and Troubleshooting, 2008
- Americans for Effective Law Enforcement Law Enforcement Legal Center – Workshop on Lethal and Less Lethal Force, 24 hours, Las Vegas, NV 2008
- CA<sup>2</sup>RS – 10<sup>th</sup> Anniversary Conference, 20 hours, Sacramento, CA 2008
- CA<sup>2</sup>RS - Bicycle Collision Investigation, 8 hours, Roman Beck, Vallejo, CA 2008
- CA<sup>2</sup>RS Conference - A Reconstruction Grab Bag, 20 hours, Anaheim, CA, 2007
- CA<sup>2</sup>RS Conference - Crash Reconstruction Start to Finish, 20 hours, South Lake Tahoe, CA, 2006
- Colorado State Patrol – Alive at 25 Defensive Driving Course Instructors Class, 40 hours, Santa Rosa, CA, 2006
- ARC-CSI Conference - 28 hours, Las Vegas, NV, 2006
- CA<sup>2</sup>RS Conference - Investigating Emergency Vehicle Collisions, 20 hours, Temecula, CA, 2005
- College of Alameda CDEET – Heavy Duty Diesel Engine Emissions Control Course, 8 hours, Alameda, CA, 2005
- ARC-CIS Conference – 30 hours, Las Vegas, NV 2005
- San Jose State University – Basic Homicide Investigation, 40 hours
- Behavior Analysis Training Institute – Interview and Interrogation, 40 hours
- Quinn Benner and Associates – Critical Incident Debriefing Team, 24 hours, San Mateo, CA
- CA<sup>2</sup>RS – Vehicle Inspection for Insurance Fraud, 8 hours, Santa Rosa, CA
- CA<sup>2</sup>RS Conference - Motorcycle Investigation and Reconstruction, 20 hrs, Santa Rosa, CA, 2004
- National Transportation Safety Board – Aviation Accident Scene Management, 4 hours, Novato, CA
- California Office of Emergency Services – Press Officer's Class, 24 hours, Sacramento, CA
- California Department of Justice , Sonoma County Sheriff's Office – EPAS Training, 4 hours, Santa Rosa, CA
- Sonoma County Sheriff's Office – Eco-Terrorism Class, 8 hours, Santa Rosa, CA
- CA<sup>2</sup>RS – Post Collision Lamp Analysis, 8 hours, Pittsburg, CA, 2004
- ARC-CSI Conference, 24 hours, Las Vegas, NV 2004
- CA<sup>2</sup>RS Conference – Cars versus Bikes, Skateboards, Scooters and Pedestrians, 24 hours, Anaheim, CA 2003
- Allied Agency Motorcycle Officer In Service Class, 24 hours, California Highway Patrol Academy, Sacramento, CA
- Hazardous Waste General Site Worker, 36 hours, Sacramento, CA
- Collision Safety Institute – Crash Data Retrieval Systems Operator Certification Course, 24 hours
- CA<sup>2</sup>RS Conference – Truckin' with CAARS, 40 hours, Anaheim, CA, 2002
- Advanced Commercial Vehicle Accident Reconstruction Safety Solutions, 40 hours, Santa Rosa, CA
- UC Riverside, Engineering Extension – Traffic Accident Reconstruction, 40 hours, Riverside, CA
- San Francisco P.D. – PEER Support Counselor, 24 hours, San Francisco, CA
- Commercial Vehicle Drug Interdiction School, 24 hours, Desert Snow, Bullhead, AZ
- WREX2000 – Texas A&M, College Station, TX

- California Highway Patrol Rainbow Scales - Allied Agency Commercial Enforcement Officer Class, 80 hours, Temecula, CA
- College of Alameda - Heavy Duty Diesel Engine Emission Control Course, 4 hours, Alameda, CA
- Sonoma County Sheriff's Office – Advanced P.O.S.T. Certificate
- Air Brake Consultants – Anti-Lock Brake Systems Seminar, 8 hours, Windsor, CA
- Sonoma County Multi Agency Gang Task Force – Hispanic Street Gangs, 8 hours
- Texas A&M – Commercial Vehicle Accident Reconstruction and Inspection, 40 hours, San Jose P.D., CA
- Los Medanos Community College – Advanced Accident Investigation, 40 hours, Concord, CA
- Los Medanos Community College – Intermediate Accident Investigation, 40 hours, Concord, CA
- Los Medanos Community College – Basic Accident Investigation, 40 hours, Concord, CA
- Oakland P. D. – Intermediate P.O.S.T. Certificate
- Alameda County Sheriff's Office – Intoxilizer 5000 Class, 8 hours, Santa Rita Jail
- Oakland P.D. – Preliminary Alcohol Screening Device Class, 4 hours, Oakland, CA
- Oakland P.D. – Radar Operator Class, 24 hours, Oakland, CA
- Oakland P.D. – Police Motorcycle Operator School, 120 hours, Oakland, CA
- Oakland P.D. – Basic P.O.S.T. Certificate
- Santa Rosa Jr. College – 11550 H&S Class, 24 hours, Santa Rosa, CA
- Oakland P.D. – Basic Recruit Academy, Oakland, CA

**EXPERT WITNESS QUALIFICATION**

Los Angeles County Superior Court  
Commercial Vehicle Mechanical Inspection and Component Failure

San Joaquin County Superior Court  
Commercial Vehicle Inspection and Regulations

San Mateo County Superior Court  
Air Brakes  
Commercial Vehicle Collision Investigation

Sonoma County Superior Court  
Traffic Collision Reconstruction  
Speed Estimation  
Vehicle vs Horse Collision

Alameda County Superior Court  
Street Corner Narcotics Sales

Alameda County Municipal Court  
Traffic Collision Reconstruction  
Driving Under the Influence  
Traffic Enforcement  
Speed Estimation

*Not for Purposes of Expert Disclosure*

**TEACHING/PRESENTATIONS**

University of North Florida, Institute of Police Technology and Management  
Load Shift and Rollover Collisions  
Symposium on Traffic Safety 2019  
Orlando, FL

Society of Accident Reconstructionist (SOAR) Commercial Vehicle Symposium 2018.  
Post Collision Commercial Vehicle Forensic Inspection  
Denver, CO

Pennsylvania State Police Collision Reconstruction Seminar 2017  
Commercial Vehicle Air Brakes  
Gettysburg, PA

CA2RS Conference 2017  
Motorcycle Impact Testing  
Orange, CA

WREX2016  
Air Brakes a Hands on Lab  
Orlando, FL

Institute for Motorcycle Safety, 10th International Motorcycle Conference,  
Motorcycle Sliding Friction  
Cologne Germany

University of North Florida, Institute of Police Technology and Management (IPTM)  
Commercial Vehicle Inspection and Reconstruction

University of Tulsa, Crash Reconstruction Research Consortium  
Crash test coordinator.

Office of the Sheriff of Contra Costa County  
Commercial Vehicle Traffic Collision Investigation and Reconstruction

Santa Rosa Junior College  
Alive at 25 Defense Driving Instructor

North Bay Regional Explorer Academy  
Basic and Advanced Traffic Collision Investigation, DUI and Traffic Enforcement

Sonoma County Sheriff's Office  
In Service Training – Traffic Enforcement and Investigation

Santa Rosa Regional Training Center

- Public Safety Evaluator.
- Instructor in the Driver Operator class, Fire Services Program.
- Police Academy Recruit Training Officer.
- Instructor at the Regional Police Academy teaching Traffic Collision Investigation.

California Association of Accident Reconstruction Specialists  
Annual Conference  
Air Brakes  
Blind spot collision investigations

Quarterly Training

- Commercial Vehicle Collision Investigation
- Air Brakes

Oakland Police Academy

Basic Police Academy, Advanced Officers School and Command Seminar

- First Aid
- CPR
- Blood Born Pathogens

**PROFESSIONAL AFFILIATIONS**

- California Association of Accident Reconstruction Specialists (CA<sup>2</sup>RS)
  - Board of Directors Member
- WREX 2023
  - Board of Directors Member
  - Crash Test Committee Chairman
- WREX2016
  - Board of Directors Member
  - Crash Test Committee Chairman
- Commercial Vehicle Crash Research Institute
  - Treasurer
- Society of Automotive Engineers
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
- Sonoma County Deputy Sheriffs' Association
  - Past President, past Vice-President.
- Municipal Motorcycle Officers of California
  - Past Vice President
- Le Societe De Camaraderie
- American Truck Historic Society
- Historical Construction Equipment Association

**AWARDS AND COMMENDATIONS**

- Certificate of Commendation – Sonoma County Sheriff's Office, Performing CPR on a Citizen
- Certificate of Commendation - Sonoma County Sheriff's Office, Stolen Vehicle recovery
- Master 10851 Award - California Highway Patrol and California State Automobile Association
- 10851 Award IV - California Highway Patrol and California State Automobile Association
- 10851 Award III - California Highway Patrol and California State Automobile Association
- 10851 Award II - California Highway Patrol and California State Automobile Association
- 10851 Award - California Highway Patrol and California State Automobile Association
- Forestville Fire District - Volunteer Firefighter of the Year 1998
- Letter of Commendation - Chief of the Department, Oakland Fire Department, Rescue of victims of a house fire.

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