



# Kauderer & Associates

Traffic Accident Reconstruction Experts

## CURRICULUM VITAE OF BILL FOCHA

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### AREAS OF EXPERTISE

- Heavy Vehicle Traffic Collision Reconstruction
- Commercial Vehicle and Heavy Equipment Forensic Inspections
- North Carolina 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 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

Kauderer & Associates, Sacramento, CA 2008- Present  
NC Mechanical, Tryon, NC 2020- Present  
Northwestern University, Evanston, IL 2020- Present  
North Coast Truck Inspections, Forestville, CA 1999 – 2020  
University of North Florida, Jacksonville, FL 2014 – 2020  
University of Tulsa Crash Research Consortium  
Tulsa, OK 2014 - 2016  
Sonoma County Sheriff's Office, Santa Rosa, CA 1996 – 2011  
Forestville Fire Protection District, Forestville, CA 1990 – 2005  
Oakland Police Department, Oakland, CA 1987 – 1996

### RELATED EXPERIENCE

NC Mechanical – Owner

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

Northwestern University, Center For Public Safety, Evanston, IL  
Adjunct Faculty  
Commercial Vehicle Forensic Mechanical Inspection.

National Association of Professional Accident Reconstruction Specialists  
Member of the Board of Directors

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)

Conference Planning Committee Member  
Crash Committee Chairman

Coordinated all crash testing for the WREX2023 conference.

Oversaw the 23 plus crash tests

Insured the safety of the 1200 plus spectators at the crash day event

Supervised over 80 people, five Crash, Data Collection, Evidence Marking, Photography Mapping and Data Preservation teams over.

Presenter, IFT Day, Post collision vehicle inspection.

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

Patrol Division

Beat Officers

Traffic Division

Motorcycle Officer

- Accident Follow-up Investigator
- Court Officer
- 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.
  - o Primary investigating officer in 50+ fatal collisions.
  - o Assisted in the investigation of 200+ fatal collisions.
  - o Over 300 arrests for DUI.
  - o Issued over 15,000 citations.

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

Active member in good standing

- Past Board of Directors member.
- 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.
- Coordinated live crash testing of 25+ motorcycle sliding friction tests.

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 CA2RS 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

- Symposium on EDR Research and Training, Oklahoma City, OK (2024).
- CA2RS Annual Conference, South Lake Tahoe, CA (2023)
- WREX2023 Conference, Orlando, FL (2023)
- Pennsylvania Collision Analysis and Reconstruction Society Conference, Erie, PA (2022)
- CA2RS Annual Conference, South Lake Tahoe, CA (2021)
- Southeastern Collision Reconstruction Conference, Mt. Pleasant, SC (2021)
- CA2RS Annual Conference, Palm Springs, CA (2019)
- University of North Florida, Institute of Police Technology and Management, Traffic safety Symposium, Orlando, FL. (2019)
- Petersen Caterpillar, Disc Brake Class Santa Rosa, CA (2019)
- Society of Automotive Engineers (SAE), Accessing and interoperating Heavy Vehicle Event Data Recorders, Appleton, WI (2019)
- CA2RS Quarterly Training, Mathematics and Physics Review, Sacramento State University, Sacramento, CA (2019)
- Petersen Caterpillar, Service, Repair and Sizing Power Take Off Units, Santa Rosa, CA (2019)
- CA2RS Annual Conference, South Lake Tahoe, CA (2018)
- 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, Orange, CA (2017)
- 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. (2016)
- CA2RS Quarterly Training, Signalized intersection collisions, Vacaville, CA
- CA2RS Annual Conference, Reconstruction Methods, Anaheim, CA
- Truck-Lite LLC Master Lighting and Harness Technician, Online 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.

**SPECIALIZED TRAINING (cont.)**

- 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. 2013
- 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
- CA2RS 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
- CA2RS – 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
- CA2RS 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
- CA2RS – 10<sup>th</sup> Anniversary Conference, 20 hours, Sacramento, CA 2008
- CA2RS - Bicycle Collision Investigation, 8 hours, Roman Beck, Vallejo, CA 2008
- CA2RS Conference - A Reconstruction Grab Bag, 20 hours, Anaheim, CA, 2007
- CA2RS 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
- CA2RS Conference - Investigating Emergency Vehicle Collisions, 20 hours, Temecula, CA, 2005
- College of Alameda CCDET – 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
- CA2RS – Vehicle Inspection for Insurance Fraud, 8 hours, Santa Rosa, CA
- CA2RS 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

**SPECIALIZED TRAINING (cont.)**

- 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
- CA²RS – Post Collision Lamp Analysis, 8 hours, Pittsburg, CA, 2004
- ARC-CSI Conference, 24 hours, Las Vegas, NV 2004
- CA²RS 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
- CA²RS 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**

San Joaquin County Superior Court  
 Heavy Duty Diesel Engine Operation

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

### **TEACHING/PRESENTATIONS**

Northwestern University Center for Public Safety  
Forensic Mechanical Inspection Class

WREX2023  
Post Collision Inspections  
Orlando, FL

Pennsylvania Collision Analysis and Reconstruction Society Conference  
Post Collision Commercial Vehicle Inspection  
Erie, PA

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 and 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

- National Association of Professional Accident Reconstruction Specialists (NAPARS)
  - Board of Directors Member
- California Association of Accident Reconstruction Specialists (CA<sup>2</sup>RS)
  - Past of Directors Member
- WREX 2023
  - Conference Planning Committee Member
  - Crash Test Committee Chairman
- WREX2016
  - Conference Planning Committee Member
  - Crash Test Committee Chairman
- Commercial Vehicle Crash Research Institute
  - Treasurer
- South Carolina Association of Reconstruction Specialists
- Sonoma County Retired Employees Association



- 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
- Antique Caterpillar Machinery Owners Club.

**AWARDS AND COMMENDATIONS**

- Recognition of Achievement – California Association of Accident Reconstruction Specialists
- 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
- Recognition of Achievement- California Association of Accident Reconstruction Specialists
- 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.

*Not for Purposes of Expert Witness Disclosure*