

David W. Rochford

Collision Reconstruction Consultant  
ACTAR Accredited # 2321

Member:

International Network of Collision Reconstruction, and  
Washington Association of Technical Accident Investigators  
National Association of Professional Accident Reconstructionists

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## **OVERVIEW**

## **EDUCATION**

**High School Diploma:** Orange High School, Orange, California.  
1969

**Associate In Arts Degree:** Major: Police Science. Fullerton  
Community College, Fullerton, California. 1972

**Bachelor of Science Degree:** Major: Criminal Justice. Wayland  
Baptist University. 1994

## **CERTIFIED POLICE INSTRUCTOR**

Alaska Police Standards and Training Council  
Traffic Law Enforcement  
DWI Enforcement \*  
Accident Investigation  
Intoximeter 3000 Breath Test Instrument  
Radar Operation. Moving (including "same direction"  
radar.)\*  
Laser Speed detection \*  
Drug Influence and Identification  
Driving Under the Influence of Drugs \*  
DataMaster cdm breath test instrument

\* NHTSA course

P.O.S.T. Certified "Advanced" in California and Alaska

## **EMPLOYMENT**

### **Anaheim Police Department**

1971 to 1981

### **Anchorage Police Department**

1981 to 2002

### **Rochford Investigative Services**

2002 to 2004

Collision Investigation and Reconstruction

**National Traffic Safety Institute**

Traffic Survival Instructor  
February 2004 to present

**Inland Northwest Traffic Accident Investigation, LLC**

Collision Investigation and Reconstruction Consulting  
Collision Investigation and Reconstruction Training  
Radar and Laser Operator Course  
P.O.S.T. Certified in the State of Idaho  
A.P.S.C. Certified in Alaska  
August 2004 to present

**POLICE ACADEMY TRAINING**

North Orange County Police Training Academy. Anaheim, California.  
440 hours. February - May, 1972

Anchorage Police Department Training Academy, Anchorage, Alaska.  
440 hours. February - May, 1982

**PROFESSIONAL ASSOCIATIONS**

International Network of Collision Reconstructionists (INCR)  
National Association of Professional Accident Reconstructionists  
Washington Association of Technical Accident Investigators (WATAI)

**COLLISION INVESTIGATION TRAINING**

**“AT SCENE” COLLISION INVESTIGATION TRAINING**

**Traffic Accident Investigation**

24 hours. 1972  
Sgt. W. Judd, Anaheim Police Department  
Accredited through Fullerton Community College

**Traffic Accident Investigation**

24 hours. 1982  
Sgt. Robert Andrews, Anchorage Police Department  
Accredited through University of Alaska, Anchorage

## **“TECHNICAL” COLLISION INVESTIGATION TRAINING**

### **Progressive Accident Investigation**

40 hours. 1990

Sgt. Keith Pherrin, Alaska State Troopers

### **Technical Traffic Accident Investigation**

80 hours. 1992, Anchorage, AK.

The Traffic Institute

Analysis of data from collision scenes.

## **COLLISION RECONSTRUCTION TRAINING**

### **Vehicle Dynamics**

40 hours. 1992 Anchorage, AK.

The Traffic Institute

Mathematical formulas to determine time-distance, acceleration rates, point of perception.

### **Traffic Accident Reconstruction I**

80 hours. 1992, Anchorage, AK.

The Traffic Institute

### **Traffic Accident Reconstruction II**

40 hours. 1992, Anchorage, AK.

The Traffic Institute

Study and training in the techniques of traffic accident reconstruction. Newton's Laws of motion, conservation of energy and momentum, occupant motion and PDOF

Topics included reconstruction of collisions involving:

Autos, pedestrians, bicycles, motorcycles, commercial vehicles.

### **EDVAP**

104 hours. Sept. - Oct. 1997, Evanston, Ill.

The Traffic Institute

Computerized collision reconstruction including: **EDCRASH, EDCAD, AND EDSMAC**

Instructors: Ken Baker and Mike Ditallo of the Traffic Institute staff.

Terry Day, President of Engineering Dynamics.

**Collision Reconstruction Training, continued....**

**Pedestrian/Bicycle Accident Reconstruction**

Texas Engineering Extension, Texas A & M University

40 hours. 1993

Jerry Eubanks, lead instructor.

Rusty Haight, assistant instructor

**Inspection and Investigation of Accidents Involving Commercial Vehicles**

40 hours. 1995

University of North Florida, (IPTM).

**Motorcycle Accident Reconstruction**

40 hours. May, 1996

Texas Engineering Extension, Texas A and M University

James Lock, Lead Instructor

**Heavy Vehicle Collision Reconstruction**

Traffic Institute, Northwestern University, Anchorage, AK

40 hours, October 9 – 13, 2000

Reconstruction techniques for collisions involving commercial motor vehicles, over 10000 pounds.

40 hours, October 9 – 13, 2000

**Forensic Mapping Specialist**

40 hours. 1996

Anchorage Police Department

Training in the operation of the Sokkia Set 5 Total Station Mapping System.

Officer Fred Jones, Instructor

**S.A.T.A.I. Training Conference**

(Southwestern Association of Technical Accident Investigators)

16 hours. March 8<sup>th</sup> and 9<sup>th</sup>, 2002, Las Vegas, NV.

4 hours "Human Factors". Driver interaction with environment. Gary Bakken, Ph.D., CPE. Analytical Systems International, Inc.

4 hours "Expert Testimony", Paul Olson, IPTM.

4 hours "Commercial Vehicle Braking and Brake Test Data", Timothy J. Reust, Accident Science, Valencia, CA

4 hours "Speed of Vehicle While in Translational Yaw", Tom Shelton, CHP MAIT (retired).

## **Collision Reconstruction Training, continued....**

### **W.A.T.A.I. Training Conference**

(Washington Association of Technical Accident Investigators)

October 8<sup>th</sup> – 10<sup>th</sup>, 2002

Tacoma, WA

24 hours. Pedestrian Accident Investigation

25 crash tests with two automobiles v. dummy. Analysis of data to verify accuracy of mathematical formulas used to establish speed in auto v. pedestrian crashes.

Instructors:

Jerry J. Eubanks. Automobile Collision Cause Analysis, Inc.

Thomas F. Fugger, Jr. Accident Research and Biomechanics, Inc.

### **W.A.T.A.I. Training Conference**

May 22, 2003

Bellevue, Washington

4 hours of Mathematics review, collision reconstruction formulas.

Courtroom presentation. Review of “other” expert’s report.

Instructor Paul Olson of IPTM.

1 hours of computer animation and collision reconstruction software by Visual Statement Inc., Kamloops, B.C., Canada.

2 hours Photogrammetry and digital photography by Lee DeChant, DeChant Consulting Services.

### **W.A.T.A.I. Training Conference**

October 28 and 29, 2004

Tacoma, WA

Altered Vehicles; Daniel Filiatrault, ICBC instructor

Mathematical Formulas; Yaw, skids, fall, vault. Rob Obenauf of the Washington County (Oregon) Sheriff’s Office, Instructor

Identification of Roadway Tire Marks, Kari Arguello, Washington County Sheriff’s Office, Instructor

Conservation of Energy, Conservation of Momentum, PDOF, and Delta V. John Hunter of Investigative Training Services (Retired WSP MAIT Sgt.)

### **W.A.T.A.I. TRAINING CONFERENCE**

October 10 and 11, 2005, Seattle, WA.

Presentation by the Collision Safety Institute

Rusty Haight, lead instructor

**Collision Reconstruction Training**, continued....

4 crash tests. 2 auto v. bus, 1 auto v. auto, 1 rear end auto v. auto with secondary collision into a bus

Operation of Event Data Recorders

Presentation by NHTSA and NASS on measuring crush damage and occupant restraint systems.

### **CRUSH ENERGY ANALYSIS**

May 1<sup>st</sup> through 5<sup>th</sup>, 2006

Accident Analysis and Reconstruction Inc., Glen Burnie, MD

40 hours, Determining  $\Delta V$  and impact speed from the analysis of crush damage. Edmonds, WA

### **Applied Physics For Accident Reconstruction**

WATAI Training Conference 8 hours

May 9<sup>th</sup>, 2007

Instructor: Bruno Schmidt, PhD Physics, Professor of Physics

### **Advanced Motorcycle Crash Reconstruction**

May 12<sup>th</sup> through May 16<sup>th</sup>, 2008

Mechanical Forensics Engineering Services, LLC

40 hours. Advanced techniques for investigation and reconstruction of collisions which involve motorcycles.

Wade Bartlett, P.E., Instructor.

### **“Masters in Trial” (participant)**

American Board of Trial Advocates

Missoula, MT November 13<sup>th</sup>, 2009

Participated as “plaintiff expert” in mock trial.

### **W.A.T.A.I. TRAINING CONFERENCE**

May 14<sup>th</sup>, 2010

Providing Expert Testimony

Deposition and trial testimony



**Crash Date Retrieval Data Analyst**

February 6 – 10, 2012 40 hours

Henderson, NV

Collision Safety Institute

Instructor: Rusty Haight

Analysis of data which has been downloaded from automobile air bag control modules

**Crash Data Retrieval Technician Level I**

March 26, 2012 8 hours

Las Vegas, NV

Collision Safety Institute

Instructor: John Howell

**Crash Data Retrieval Technician Level II**

March 27, 2012 8 hours

Las Vegas, NV

Collision Safety Institute

Instructor: John Howell

**TRAFFIC LAW ENFORCEMENT TRAINING**

**California Vehicle Code**

One Semester, Fullerton Community College

1970, Instructor: Sgt. Braun, CHP.

**Traffic Law Enforcement**

North Orange County Police Academy

40 hours

1972, Instructor: Sgt. Judd, Anaheim P.D.

**Traffic Law Enforcement**

Anchorage Police Training Academy

24 hours

1982, Instructor: Sgt. Andrews, Anchorage P.D.

**Stationary Radar**

8 hours.

Anchorage Police Department

**Moving and Stationary Radar Training**

40 hours. 1987

Anchorage Police Department

## **Traffic Law Enforcement Training continued....**

### **Radar Instructor; Moving and Stationary**

40 hours. 1991  
Department of Transportation  
Anchorage, Ak.

### **Radar/Laser Operator/Instructor**

40 hours. 1996  
NHTSA  
Anchorage, Ak.

### **Motor Carrier Safety**

24 hours. 1987  
NHTSA  
Federal Motor Carrier Safety Regulations  
Anchorage, Ak.

### **North American Driver-Vehicle Inspection Course**

40 hours. 1990  
U.S. DOT. CFR 49. Anchorage, Ak.

### **Hazardous Material Roadside Inspection Course**

24 hours. 1990  
U.S. DOT.  
Anchorage, Ak.

### **Hazardous Material Familiarization**

8 hours. 1991  
Anchorage Police Department

### **Commercial Vehicle Driver Inspection**

8 hours. 1998  
Alaska State Troopers  
Level 3 Inspections

### **North American Standard Commercial Motor Vehicle Inspection Course**

80 hours. June, 2000  
U.S. Department of Transportation and the University of Missouri  
Commercial Vehicle Safety Alliance (CVSA) certified.  
Anchorage, AK.

**Transportation of Hazardous Materials Inspection Course**

32 Hours August, 2000  
U.S. Department of Transportation  
Anchorage, AK

**Inspection of Cargo Tankers**

24 Hours, August 2000  
Mid America Transportation  
Anchorage, AK

**DWI TRAINING**

**Horizontal Gaze Nystagmus**

16 hours. 1991  
Tom Katkus, Instructor  
Anchorage Police Department

**DWI/HGN and Drug User Identification/Instructor Course**

40 hours. 1992  
NHTSA  
Ft. Richardson, Ak.  
**DWI Training** continued.....

**DWI/HGN Training Course**

16 hours. 1993  
Anchorage, Ak.

**Intoximeter 3000 and PABT Instructor/Supervisor Course**

40 hours. 1993  
State of Alaska Crime Laboratory  
Anchorage, Ak.

**Intoximeter 3000 Instructor/Supervisor Recertification**

15 hours. 1996  
State of Alaska Crime Laboratory  
Anchorage, Ak.

**Driving Under the Influence of Drugs Seminar**

12 hours. 1995  
Alaska Peace Officers Association Conference, Anchorage, Ak.  
LAPD Drug Recognition Unit. Sgt. Thomas Page and Officer John Clark. Patricia Gould of National Traffic Law Center. Gary Branum of Associated Pathologists Laboratory.  
Training included lecture and video of persons under the influence of drugs.

## **DWI Training continued.....**

### **Narcotics and Drug Influence**

4 hour seminar. October 27, 1997, Anchorage, Ak.  
Western States Intelligence Network (WSIN)  
Tom McCabe, Instructor  
Two hours on drug influence.  
Two hours on drug enforcement.

### **4TH Annual I.A.C.P. D.R.E. Drugs, Alcohol and Impaired Driving Conference.** Portland, OR. June 27 - 30th, 1998

Principles of drug action: Dr. Robert Julian, St. Vincent Hospital, Portland, OR.

Study of Case Law on HGN and DRE: Patricia Gould, National Law Center.

Innovative Teaching Methods for SFSTs and DRE: Sgt. Doug Paquette, N.Y. State Police.

Prescription Medications, Over-the-counter Drugs and Driver Impairment: Dr. Gary Kay, Ph.D., Georgetown University.

The World of Hallucinogens: Dr. Alex Stalcup, Concord, CA.

Nystagmus - Medical, Natural or Drug Induced?: Dr. Robert Yolton and Dr. Karl Citek, Pacific University College of Optometry, Forest Grove, OR.

New Technology and Tools for the D.R.E.: Paul Helzer, Colorado Department of Transportation.

What's New in the World of Drugs: Phyllis J. Good, Michigan State Police.

Speed Kills - The Downside of Methamphetamine Use in Drivers: Dr. Barry K. Logan, Ph.D., Washington State Toxicologist.

### **Intoximeter 3000 Supervisor Recertification,**

Sept. 9 and 10, 1999.  
16 hours. State of Alaska Scientific Crime Detection Lab, Anchorage.  
Hysteresis, Toxicology, Physiology, Pharmacology, Intoximeter operation and minor repair.

**EXPERT TESTIMONY  
VEHICLE COLLISION INVESTIGATION/RECONSTRUCTION**

State of Alaska v. Earl M. Legon. March 1991, Anchorage, Ak.  
Superior Court. 3rd Judicial District.

- Point of impact
- Speed estimate
- Direction of travel at impact
- Gouge marks in pavement
- Photography; flash and ambient light (time exposure).
- Angle of vehicles at impact

State of Alaska v. Glenn Bossie. June 1991, Anchorage, Ak. Superior  
Court. 3rd Judicial District.

- Point of Impact, Speed estimate
- Direction of travel at impact
- PDOF
- Pre-collision skids
- Post-collision skids
- Gouge marks in pavement
- Matching damage to vehicles
- Angle of impact
- Post collision travel of vehicles

State of Alaska v. Mark Shetters. August 1991. Anchorage, Ak.  
Superior Court, 3rd Judicial District.

- Point of impact
- Speed estimate
- Direction of travel at impact
- PDOF
- Post collision travel direction of vehicles
- Gouge marks in pavement
- Matching damage to vehicles
- Angle of impact

Municipality of Anchorage v. Cho. April 1993 Traffic Court.

- PDOF

Municipality of Anchorage v. Kluczynski. October 1993. District Court.

- Vehicle Dynamics to estimate "slide to stop" distance.

## **Expert Testimony Vehicle Collisions Continued...**

Municipality v. Terri Piteck. Dec. 1993. District Court.  
Intoximeter 3000  
Horizontal Gaze Nystagmus  
Speed from “yaw” marks.  
Identification of yaw marks.

Municipality v. Robert Morrison. February 1995 District Court  
Identification of tire “prints” vs. “skid marks”.  
Speed estimate from collision damage  
Matching damage of vehicles together.

Municipality of Anchorage v. Stuart Reder. August 1997. District Court.  
Intoximeter 3000  
Vehicle speed from “yaw marks”.  
  
Identification of “yaw marks”.  
Drug influence  
Alcohol and prescription drugs.

State of Arizona vs. Randall Keedah CR 82002-0197  
Oct. 16<sup>th</sup> 2002. Vehicular Homicide  
Occupant seating position  
Airbag deployment issues  
Relative angle of vehicles at impact  
Vehicle Inspection  
    Lights on/off  
    Tire and wheel damage as a cause of the collision  
    Steering component damage as a cause of the collision

Deposition. June 12<sup>th</sup>, 2003. Hanes v. Gould (see next entry)

Hanes v. Gould. Asotin County, Washington, Superior Court  
July 17<sup>th</sup>, 2003. Civil. R.V. vs. Commercial Truck  
Speed of both vehicles  
Commercial truck lane change distance  
Linear Conservation of Momentum  
Vehicle Dynamics  
PDOF  
Relative angle of vehicles at impact  
Identification of tire marks  
Matching damage of vehicles together  
Scrape marks from steel wheel against pavement

### **Expert Testimony continued...**

Balback v. Boeey. Deposition. Two auto, rear end collision.  
Spokane, WA. 9-20-03

Barry v. Paulson. Deposition. Motorcycle v. Pickup  
Coeur d'Alene, ID. March 29<sup>th</sup>, 2005

Grenfell v. Massa Home Center. Deposition. Commercial truck  
v. flatbed pickup. Missoula, MT. Oct. 18<sup>th</sup>, 2005

Grenfell v. Massa Home Center. Trial, expert testimony.  
Nov. 1<sup>st</sup>, 2005. Ravalli County Superior Court, Hamilton, MT. Vehicle  
dynamics, position of vehicles at impact, comparing damage.  
Commercial truck vs. flatbed pickup truck.

Stowell v. Karameti. Deposition. Two car intersection collision.

Conservation of Momentum. Coeur d'Alene, ID April 18<sup>th</sup>, 2006

Geyman v. Norco. Deposition. Two car rear end collision. Speed at  
impact, brake usage, vehicle dynamics.  
Missoula, MT. Sept. 12<sup>th</sup>, 2006

DeMatteo v. Russell. Deposition. Four car rear end, chain reaction  
collision. Roadway evidence, vehicle damage, sequence of  
collision(s). Coeur d'Alene, Idaho. Nov. 2<sup>nd</sup>, 2006

Julius v. Montana Rail Link, Deposition. Auto v. Freight Train.  
Vehicle dynamics. Rail Road Crossing Design  
Coeur d'Alene, ID Feb. 20, 2008

State of Montana v. Terry Miller  
Negligent Homicide, auto v. motorcycle intersection collision.  
Roadway evidence, vehicle dynamics, matching damage from  
motorcycle to auto.  
Superior Court, Kalispell, Mt. June 11<sup>th</sup>, 2008

Julius v. Montana Rail Link  
Bozeman, MT  
Auto v. train single fatality  
Vehicle dynamics, railroad crossing design  
Superior Court, June 17, 2009

## **Expert Testimony continued...**

Florea v. Werner Enterprises  
Deposition. August 25<sup>th</sup>, 2009  
Multiple auto and commercial truck crash  
Matching damage between vehicles  
Vehicle dynamics  
Collision sequence issues  
Missoula, MT.

State of Montana v. Clinton Root  
Trial: Vehicular Homicide  
Speed from yaw (CSY)  
Vehicle Dynamics  
Roadway evidence  
Matching damage  
Point of Impact, Highway design defects/flaws  
September 23, 2009  
Polson, MT.

State of Montana vs. Nathan Oswald  
Trial: Vehicular Homicide  
Speed from Vault  
Occupant seating positions  
Roadway evidence  
Investigation of roll-over crashes with occupant ejection  
Helena, MT May 26<sup>th</sup>, 2010

State of Montana vs. Sergey Buslayev  
Trial: Vehicular Homicide  
Commercial truck vs. pickup truck  
Delta V  
Speed at impact  
Vehicle dynamics  
Superior, MT. June 2011

Numerous traffic cases where expert testimony was needed in non-injury collision cases.

\*Partial list only.



## TRAFFIC COLLISIONS RECONSTRUCTED\*

APD #	96-109209	Momentum Analysis Triple fatality
	96-228898	Momentum Analysis Double fatality
	96-244440	Momentum Analysis Single Fatality
	96-114518	Motorcycle v. Auto Critical injury.
	96-156122	Motorcycle v. Bicycle Critical injury.
	97-76087	Single car, run off road.
	97-82544	Single car, run off road.
	97-86060	Multiple car, run off road.
	97-77894	Auto v. Pedestrian
	97-141501	Single vehicle, run off road, over embankment.
	97-141755	Single vehicle, run off road, slid into pole while sliding inverted.
	97-146621	Two vehicle head on.
	97-171834	Motorcycle v. pedestrian fatality.
	98-25887	One car roll over with fatality.
	99-23	Auto Pedestrian Fatality  Single vehicle Motorcycle Fatality, Hollywood and Loop, Anchorage

## Traffic Crashes Reconstructed continued...

Single vehicle Motorcycle double fatality, 15th and L, Anchorage.	Auto v. motorcycle single fatality, Northern Lights and Aircraft, Anchorage.
99-29386	Auto v. bicycle, critical injury
State of Arizona v. Keedah	Auto Pedestrian fatal. 4-02 Criminal Defense
State of Arizona v. Fields	One car off the road roll over. 1-02 Criminal Defense
State of Arizona v. Miles	Auto Pedestrian hit and run Criminal Defense
Hanes v. Gould (civil) State of Washington	Motor home v. Logging truck 12-02 Defense (civil)
Snyder v. Hansen State of Washington	Two auto, intersection collision 1-03 Plaintiff (civil)
Paulson v. Barry State of Montana	Motorcycle v. pickup with trailer 2-03 Defense (civil)
Balback v. Boeey	Two Car rear end collision 10-03 State of Washington
Justice V. Masters	Two Car rear end collision. 10-03 State of Washington
Kennedy v. Laidlaw Transit	Auto v. School Bus Fatal. 1-04 State of Alaska Defense (civil)
Webster (Mtl. of Enumclaw)	Two autos at intersection. 6-04 Insurance Defense

### **Traffic Crashes Reconstructed continued...**

Zamora v. Kosanke	Two autos, FTY from private property, view obstruction and speed issue.6-04 Insurance Defense
Shjerve v. Kitt	Two auto, FTY left turn. Speed, lights on/off issue. 11-04 Insurance Defense
Jefferies v. City of Spokane	Intersection design issue. 7-04 Plaintiff (civil)
Buchholz v. Nebel v. Rogers	3 motorcycle collision 4-05 Defense (civil)
Stowell v. Karameti	2 car intersection collision 7-05 Defense (civil)
Grenfell v. Warr	2 flatbed trucks 6-05. Hamilton, MT 2005 Defense (civil)
Western Transfer v. Amerigas	Tractor-Semi trailer v. Flatbed 11-05 with crane. New Meadows, ID 2005 Critical Injury Defense (civil)
Geyman v.Norco	Rear end collision. Van v. SUV 11-05. Hamilton, MT 2005 11-06. Defense (civil)
Jones v. Meinema	Head on collision. SUV v Pickup, Davenport, WA. 2005 Critical Injury Mutual of Enumclaw Insurance Defense
DeMatteo v. Russell	Multiple rear end collision. Injury. Anchorage, AK 2006 Defense (civil)

## Traffic Crashes Reconstructed continued...

State of Montana v. Curtis Thomas	One vehicle off the road rollover, One fatal. Feb. 2007 Criminal Defense
State of Montana v. Terry Miller	Auto v. Motorcycle. One fatal. May 2007 Criminal Defense
Hodges v. Hooper	Commercial Truck v. auto 2 Fatalities Parma, ID. June, 2006 Great West Casualty Co. Insurance Defense
MackKay v. Colby	Two auto intersection collision One Fatal, July, 2006 Mutual of Enumclaw Insurance Insurance Defense
Gladden v. Dupperon	Auto v. bicyclist. One fatal State Farm Insurance April 5 <sup>th</sup> , 2007 Insurance Defense
Lathrop v. Buerger	Auto v. auto rear end collision Brake light on/off determination State Farm Insurance September 2007 Insurance Defense
Rogers v. McGann	Auto v motorcycle intersection collision. Critical injuries State Farm Insurance October 2007 Insurance Defense
Krahn v. Cook	Auto v. Pedestrian. Injury. State Farm Insurance October 2007 Insurance Defense

## Traffic Crashes Reconstructed continued...

Julius v. Montana Rail Link	Auto v. Freight train. One fatal Vehicle Dynamics issues RR crossing design flaws/issues Collision in 2003. Report 2007/08 Plaintiff (civil)
State of Montana v. Drabbles	Auto v. Auto intersection collision One fatal. Conservation of Momentum, vehicle dynamics, sight distance State of Montana Public Def.
Craggett v. Swain	Auto v. Auto Intersection collision Conservation of momentum Sight distance State Farm Insurance June 2008 Insurance Defense
Lynch v. Lundy	Auto v. pedestrian Vehicle Dynamics, sight distance, point of impact Mutual of Enumclaw Insurance July 2008 Insurance Defense
State of Montana v. Matthew Chase	Single auto off the road State Public Defender – Missoula Single Fatality Determine if forced off road or lost control September, 2008

## Traffic Crashes Reconstructed continued...

Florea v. Werner Enterprises	7 Truck Tractors and 2 auto collision One critical injury and one minor injury Matching damage between vehicles Vehicle dynamics Collision sequence issues Vehicle speeds February 2007 St. Regis, MT Plaintiff - civil
Kelley v. Mood	Auto v. Auto rear end collision Vehicle dynamics Delta V at impact Matching damage June 2009 Defense (civil)
State of Montana v. Clinton Root	Auto v. Commercial truck Single Fatality June 2009 Criminal Defense – Public Defender
Parric v. FedEx Ground	Commercial Truck with double trailers vs. pick up truck. Single Fatality. 2009 Pre-braking speed Delta V Vehicle Condition issues Driver Log books Criminal Prosecution and Plaintiff (civil)
Lance Fredericks v CH2M Hill, Inc and Nick Ruff	January, 2010 Dead Horse, Alaska Injury when a manlift rolled off a commercial truck. Issue: Operation and parking a commercial truck, brake operation, rolling resistance

## Traffic Crashes Reconstructed continued...

State of Montana v. David Bugni	January 2010 Two auto rear end collision on an interstate highway. One fatality. Matching damage, Delta V, critical speed formula Criminal Defense
State of Montana v. Nathan Oswald	One vehicle off the road roll-over. Occupants ejected January 2010 Criminal Defense
Geiss v. Missoula County	Two vehicle side impact crash January 2010 Physical injury Plaintiff (civil)
Shandy v. Angel	Auto v. Motorcycle June 2010 Fatal Plaintiff (civil)
Great West Casualty	Commercial Truck v Auto January 2011 Fatal Insurance Defense
Lesmeister v. Schwardenberger	Four car crash January 2011 Fatal Plaintiff (civil)
State of Montana v. Crone	One car off the road rollover January 2011 Critical injury Criminal Defense

## **Traffic Crashes Reconstructed continued...**

State of Idaho v.  
Jon Ellington

Three car/auto pedestrian  
December 2011  
Fatal Pedestrian  
Criminal Defense

State of Idaho v.  
Lisa Mireles (Calbick)

Three car crash. One car off the road  
roll over, one fatal.  
Criminal Defense  
February 2012

\*Partial list only

Approximately 2000 traffic collision investigations conducted. Approximately 350 fatal/critical injury collisions investigations conducted.

## **INSTRUCTOR EXPERIENCE COLLISION / RECONSTRUCTION INVESTIGATION**

Police Reserve Academy, 1995  
Basic Collision Investigation  
Anchorage, Ak.

Police Academy, 1996  
Basic Collision Investigation  
Anchorage, Ak.

In-service training for patrol officers. Collision Investigation. June, 1997. Anchorage, Ak.

Training memo prepared. "Investigation of Motorcycle Accidents". Circulated to APD patrol officers.

In-service training for patrol officers in Collision Investigation. 1997

### **Accident Investigation I**

The Traffic Institute, Northwestern University  
80 hours of "at scene" investigation, Dec. 2 - 12, 1997.  
Anchorage, Ak.

October 1998, Anchorage, AK.

### **Accident Investigation II**

The Traffic Institute, Northwestern University  
80 hours of "analyzing scene data",



**Instructor Experience, continued.....**

February 2 - 13, 1998, Anchorage, AK.

January 1999, Anchorage, AK

**Progressive Accident Investigation**

40 hours. October 2000

Anchorage, AK

**Intermediate Traffic Accident Investigation**

40 hours. February 2005

Twin Falls, Idaho

**INSTRUCTOR EXPERIENCE - INTOXIMETER 3000**

Police Academy Training, Anchorage, Ak. 1993 - 2002

Recertification of APD officers, Anchorage, Ak. 1993 – January 2002.

**INSTRUCTOR EXPERIENCE - RADAR and LASER, DWI**

**Police Academy Training, Anchorage, AK.**

Nov. 1997

Nov. 1997

Feb. 9, 1997

Feb. 12, 1997

**Laser Speed Gun Training.**

Jan. 1996.

May 1996.

June 1997 and June 1999.

Oct. 2001

Nov. 2001

Dec. 2001

Jan.2002

Jan 2005

**Moving Radar Training**

Sept. 1995

Feb. 1996

Oct. 1997  
Nov. 1997  
Alaska State Trooper Academy, Sitka, AK. Dec. 1999

**DWI, Standardized Field Sobriety Testing, HGN**

In service training for Anchorage Police Patrol Officers 1992  
Anchorage Police Training Academy 1993-2002.  
In service training for Anchorage Police Patrol Officers 1999 - 2002

**Laser/Radar Instructor School**

Training Alaska State Troopers and Police Officers from around  
Alaska to be instructors in Radar and Laser Enforcement.  
June, 1998.

**Laser/Radar Instructor School**

Anchorage, AK. May, 2002.

**INVESTIGATIVE TRAINING**

Crime Scene Preservation  
8 hours training, 1974  
Anaheim Police Department

Visual Investigations (flow charts)  
8 hours training. June 22, 1977  
Calif. Department of Justice.

Conspiracy Seminar  
8 hours training. January 26, 1979  
Calif. Department of Justice.

Protective Services Techniques  
36 hours training. August 1980.  
Calif. Department of Justice.  
(VIP Protection)

Gambling Investigations  
40 hours training. Sept. 1980  
Calif. Department of Justice.

Field Training Officer  
40 hours training. June 1986  
Anchorage Police Department

Auto Theft Investigations  
16 hours training. October 1987  
Alaska Peace Officers Association  
Anchorage, AK.

Forensic Mapping Specialist  
40 hours training. June 1996  
Sokia Set 5 Total Station Mapping System.

Reid Technique of Interviewing and Interrogation  
24 hours training. May 1991.  
John Reid and Associates.

Reid Advanced Interrogation Techniques  
24 hours training. Sept. 1993.  
John Reid and Associates.

Narcotics Investigation Training Program  
3 months. Sept. – Nov. 1995  
Anchorage Police Department.

Knock and Talk  
4 hours training. Oct. 1997  
WSIN, Tom McCabe, Instructor

## **OVERVIEW OF POLICE EXPERIENCE**

1971 - 1972  
Police Cadet with Anaheim Police Department  
Dispatch and Property section,

1972- 1974  
Patrolman with Anaheim Police Department

1974 - 1979  
Investigator: Anaheim Police Department, Narcotics Division

1979 - 1981  
Investigator: Anaheim Police Department, Vice Division.

1981 - 1982  
Police Officer, Anchorage Police Department, Warrant Section.

1982 - 1985  
Patrolman: Anchorage Police Department.

1985 - 1986  
Anchorage Police Traffic Section

1986 - 1988  
Patrolman: Anchorage Police Department

1988 - 1992  
Anchorage Police Traffic Section

1992 - 1995  
Anchorage Police Patrol Division.

1995  
Investigator: Anchorage Police General Investigations Unit.

1995 - 1997  
Anchorage Police Traffic Section  
DWI enforcement.

1996  
Selected to the APD Major Accident Investigation Unit.

1997 - 2002: Anchorage Police Patrol Division

\*End of Curriculum Vitae\*

