

Roland J. Proulx, Jr.

PO Box 230 • Fall River, Massachusetts 02722 • 508-677-0012

Curriculum Vitae¹

Traffic Accident Reconstructionist
ACTAR Accreditation, Certification #300
National Headquarters, Denver Colorado

- ◆ Full accreditation as a Traffic Accident Reconstructionist through the Accreditation Commission for Traffic Accident Reconstruction (ACTAR)

PROFESSIONAL SKILLS

- ◆ Twenty- nine years of experience in law enforcement. Conducted criminal investigations, accident investigations and reconstructions, motor vehicle law enforcement, traffic direction, interviews, report writing and presenting court testimony both in general and as an expert in the field of accident investigation and accident reconstruction. Retired from Fall River Police Department April 2004.
- ◆ Responded to and investigated over 3000 actual motor vehicle collisions and performed a reconstruction analysis on over 1100 collisions.
- ◆ Expertise in calculating speed from flips, falls, vaults, critical speed analysis, linear and angular momentum, and impact crush damage. Triangulation, coordinate and total station field measuring in locating evidence and documenting a criminal or collision scene. Low speed rear & side impacts, law enforcement photography and crash tests.
- ◆ Certified in Police Motorcycle Operation; Accident Reconstruction; Commercial Vehicle Accident Investigation; Computer Aided Accident Reconstruction Programs; Nikon Total Station Collision Scene Mapping; Vista FX-2 Collision Diagramming and 3D Animation; Fingerprint Identification & Recovery; Collection and Preservation of Physical Evidence; U.S. DOT North American Standardized Truck Inspection (NASTI); Police RADAR Operation Instructor; Occupant Protection Usage & Enforcement Instructor; Standardized Child Passenger Safety Technician; Pedestrian & Bicycle Accident Investigation; Insurance Fraud Investigation; Human Factors & Nighttime Visibility; Biomechanics of Injury from Traffic Collisions; Occupant Kinematics and Train Accident Investigation.

¹ **Effective as of 8/24/08**

PROFESSIONAL EXPERIENCE

2/72 to 3/74

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Uniform Division

Provisional Patrolman

Assigned to walking beats and cruiser patrol as a Provisional Police Officer. Investigated complaints and calls for service. Responded to more than 150 auto accidents, rendered first aid, investigated causation, determined fault and issued citations as required. Completed offense reports and testified in both District and Superior Courts.

4/78 to 11/86

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Uniform Division

Patrolman

Assigned to cruiser patrol and investigated complaints & calls for service. Responded to more than 2,000 auto accidents, rendered first aid, investigated causation, determined fault, and issued citations as required. Completed offense reports and testified in both District and Superior Courts. Transferred to Motor Vehicle Enforcement Unit 11/86.

11/86 to 10/94

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Motor Vehicle Enforcement Unit

Motor Officer

Motorcycle operation and patrol, traffic direction & crowd control, conducted RADAR speed enforcement, and issued citations for motor vehicle violations. Investigated over 400 traffic accidents to determine fault. Completed accident and offense reports, issued citations and testified in both District and Superior Courts, many occasions as an expert witness.

5/89 to 4/01/05

CITY OF FALL RIVER POLICE DEPT., *Fall River MA*

Motor Vehicle Enforcement Unit

Accident Investigation Team

Conducted Accident Reconstructions for over 375 serious injury and fatal motor vehicle collisions; determined chain of events, causation, motor vehicle violations, contributing factors and fault. Prepared accident reconstruction reports and collision scene diagrams. Testified as an expert witness in District, Superior and Federal Courts. Pioneered first hazardous intersection survey program conducted by the city, to determine if certain traffic control installation requests were warranted. Retired 4/2/05.

1990 to Present:

CRASHTECH ACCIDENT FORENSICS, *Fall River, MA*

Owner/Reconstructionist

Directs and coordinates all investigative operations. Principal investigator and founder, providing services to various federal, state, county and local law enforcement agencies as well as insurance companies and law firms that require collision reconstruction analysis for use in civil and criminal litigation for both plaintiffs and defendants. Services include scene mapping with use of Nikon Total Station, accident reconstruction, photography & video, instructional seminars, hands on

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training seminars and expert testimony. Complete detailed reconstruction reports and scaled drawings as required for over 860 accident reconstructions for various individuals and agencies directly or on a sub-contract basis.

1/10/92 to 08/20/01

NORTH EASTERN TECHNICAL SERVICES, INC., *Fall River, MA*

Accident Reconstruction Division

Senior Accident Reconstructionist

Provide investigative services to various federal, state, county and local law enforcement agencies, insurance companies and attorneys for collisions nationwide on a sub-contract basis. Directly supervise other accident investigators and accident reconstructionists. Determine speed and contributing factors of accidents; photographed accident scenes and vehicles; interviewed operators and witnesses; and completed detailed reconstruction reports and scale drawings as required.

10/94 to 6/97

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Safety Unit

Safety Officer/Detective

Commanding Officer of the Safety Unit. Provide safety education to students in 51 schools in the city of Fall River at the head start, elementary, middle, high, and parochial school levels as well as various senior citizen centers and other groups. Investigate and proposed various options for safety and traffic problems at schools and other locations. Responsible for the direction of the Assistant Safety Officer as well as the hiring & firing, training, budget requests, payroll, ordering of supplies and equipment, and discipline of 57 School Crossing Guards.

10/94 to 6/97

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Auxiliary Police Unit

Commanding Officer

Commanding Officer of 40 Auxiliary Police Officers, providing such services as traffic direction, crowd control and security during special events such as religious processions, parades, road races, search & rescue, and natural disasters. Responsible for the appointing and termination of officers, training, budget requests, ordering of equipment, investigating complaints and issuing discipline.

6/97 to 4/01/05

CITY OF FALL RIVER POLICE DEPT., *Fall River, MA*

Motor Vehicle Enforcement Unit

Motor Officer

Re-assigned to the Motor Vehicle Enforcement Unit. Motorcycle operation and patrol, traffic direction, crowd control, RADAR speed enforcement, and issue citations for motor vehicle violations. Investigate and reconstruct traffic accidents to determine fault, contributing factors and speed of vehicles. Complete offense and reconstruction reports and give court testimony as an expert.

5/19/05 to Present

CITY OF FALL RIVER MASSACHUSETTS

Assistant Harbor Master

Assist Fall River Harbor Master in patrolling the coastal and inland waters of Fall River,

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Massachusetts and provide aid to boaters. Enforce the Commonwealth of Massachusetts Boating Laws in regards to proper operation, registration and equipment of boats. Conduct search and rescue operations, investigate boating accidents within the jurisdictional area, issue citations, make arrests and provide written reports. Ensure compliance with the Massachusetts Clean Waters Act. Provide boat traffic direction and exclusion during waterfront celebrations and boating events.

PROFESSIONAL EDUCATION

9/59 to 6/63

DIMAN REGIONAL VOCATIONAL HIGH SCHOOL

Currently located at Stonehaven Road, Fall River, MA

Carpentry & House Building Course

Received general academic studies as well as specialized hands-on training in cabinetmaking, carpentry and house building technology including but not limited to construction techniques, measurement, layout, concrete foundations, drawing and reading of blueprints, along with the use of surveying equipment as it pertains to layout of house lots. Graduated in June of 1963.

8/29/66

NATIONAL ASSOCIATION OF SKIN DIVING SCHOOLS (NASDS)

Conducted at R.I. Diving Academy, Newport, RI

Basic SCUBA Diving Course

40 – Hour Basic SCUBA Diving Certification Course - sanctioned by the National Association of Skin Diving Schools. Included classroom instruction, written and open water exam.

5/24/85

PROFESSIONAL ASSOCIATION OF DIVING INSTRUCTORS (PADI)

Conducted in Needham, MA

Rescue Diver Course – Certification # 85155926

40 – Hour open water Rescue Diver Certification Course - sanctioned by the Professional Association of Diving Instructors. Classroom and open water instruction in the use of various rescue equipment. Practice various methods and techniques of performing searches to locate and assisting panicky, lost and/or unconscious divers and bring divers up to and perform CPR on water surface and carry them to shore. Written and open water exam.

4/72

FALL RIVER POLICE DEPARTMENT, *Fall River, MA*

Basic Training Course

40 - Hour Basic Training Course - in police procedures, report writing, powers of arrest, and rules & regulations of Fall River Police Department. Taught in-house by Fall River Police Instructors.

4/78 to 6/78

SOUTHEASTERN MASSACHUSETTS REGIONAL POLICE ACADEMY

Bristol Community College (Durfee St. Campus), Fall River, MA

Basic Training Course

480 - Hour Basic Training Course - in police procedures, report writing, first aid, CPR, MA and Federal Laws, and Basic Accident Investigation. Received in-house training by various instructors yearly since that date.

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2/13 to 2/15/86

MASSACHUSETTS STATE POLICE ACADEMY, Framingham, MA

Police RADAR Operator

40 - Hour Specialized Training Course - for certification in the use of Police RADAR. Course included 16 hours classroom instruction and 32 hours of field training with a qualified operator. Received training in identifying target vehicles, visual speed analysis, identifying interference and avoiding operator error. Trained in the proper setup, testing, and operation of a Police RADAR unit as prescribed by law.

4/25 to 4/29/88

MASSACHUSETTS CRIMINAL JUSTICE TRAINING COUNCIL, Needham, MA

Police Motorcycle Operator

40 - Hour Specialized Training Course - in the safe operation of a police motorcycle in the performance of duty. Trained in slow moving operation, avoiding road hazards and obstacles, emergency operation, stopping and collision avoidance.

5/1 to 5/5/89

INSTITUTE OF POLICE TECHNOLOGY & MANAGEMENT

University of North Florida, Jacksonville, FL

Conducted at M.C.J.T.C. in Needham, MA

Commercial Traffic Accident Investigation

40 - Hour Specialized Training Course - in determining center of gravity, unique problems, weight shift, jackknife, air-brakes, roll-over, conducting inspections of commercial vehicles, and log book interpretation. Instructed by Gary Stephens and David Stopper who are considered an experts in the field.

10/16 to 10/20/89

MASSACHUSETTS CRIMINAL JUSTICE TRAINING COUNCIL, Needham, MA

Basic Traffic Accident Investigation

40 - Hour Specialized Training Course - in Basic Accident Investigation, measurement and evidence gathering at accident scenes. Conducted actual skid tests to determine speed from skid marks and used of time distance formulas.

12/11 to 12/15/89

MASSACHUSETTS CRIMINAL JUSTICE TRAINING COUNCIL, Needham, MA

Advanced Traffic Accident Investigation

40 - Hour Specialized Training Course - in Advanced Accident Investigation, review of basic skills, coordinate and triangulation measurement of accident scenes. Determine speed from falls, vaults, centrifugal scuff and momentum. Extensive training in the use of time-distance formulas and completing scaled collision scene diagrams.

3/30 to 3/31/90

MASSACHUSETTS STATE POLICE ACADEMY, Framingham MA

Field Sobriety Testing

16 - Hour Specialized Training Course - in standardized field sobriety testing. Determining intoxication from physical actions, demeanor, motor vehicle operation, and Eye Gaze Nystagmus procedure.

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10/1 to 10/12/90

MASSACHUSETTS STATE POLICE ACADEMY, Framingham MA

Traffic Accident Reconstruction

80 - Hour Specialized Training Course - for certification as a Traffic Accident Reconstructionist. Training included determining speed from Linear and Angular Momentum and crush. Occupant Kinematics and relating injuries resulting from a crash. Review of derivation of accident reconstruction formulas. Conducted actual field tests to determine speed from skid-marks and centrifugal scuffmarks.

10/20 to 10/23/90

MILTON A. PIELA, Fall River MA

Basic Computer Technology

12 - Hour course in basic computer technology.

1/22/91

UNIVERSITY OF MASSACHUSETTS, Dedham MA

Hazardous Location Analysis

8 - Hour Specialized Training Workshop - in recognizing hazardous traffic locations and intersections. Collecting collision and traffic statistics to determine which traffic control sign, device or marking should be implemented in order to properly correct problems.

3/25 to 3/29/91

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL (conducted in Needham, MA)

Police RADAR Instructor

40 - Hour Specialized Training Course - in proper radar operation and teaching methods in an actual classroom atmosphere. Began first in-house RADAR certification courses to certify Fall River Police Officers in the proper use of Police RADAR equipment.

8/26 to 8/30/91

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Advanced Traffic Accident Reconstruction

40 - Hour Specialized Training Course - in advanced accident reconstruction with use of microcomputer programs. Determine speed from crush and Linear Momentum using microcomputers with actual reconstruction projects.

2/24 to 3/6/92

U.S. DEPARTMENT OF TRANSPORTATION

TRAFFIC SAFETY INSTITUTE, H. David Howard Academy

Conducted at Massachusetts State Police Academy, Framingham, MA

North American Driver-Vehicle Inspection Course

80 - Hour Specialized Training Course - certifying local police in enforcing North American Standardized Truck Inspections (NASTI) as it pertains to Federal Motor Carrier Safety Regulations; to conduct safety inspections of commercial motor vehicles that travel nationwide.

8/12 to 8/14/92

BH2VK ENGINEERING, San Bernardino, CA

Crash Testing Seminar

24 - Hour NHTSA approved Specialized Training Course - Crash testing project involving five vehicles that were crashed at various speeds and recorded by video, still photography and electronic instrumentation to determine vehicle Crush Stiffness, Energy and Collision Phase Reconstruction Analysis.

2/27 to 2/29/93

ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC., Redlands, CA

Conducted at the Fall River Government Center, Fall River, MA

Introduction to ArcCAD Release 11

24 - Hour hands on training course in the use of ArcCAD and how it provides extensions to AutoCAD drawings by relating geographic information to drawings, using AutoCAD tools to perform CAD functions, and using additional ArcCAD functions to display, query, modify, and perform spatial analysis on geographic information.

4/19 to 4/23/93

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Accident Reconstruction

27 - Hour Specialized Training Seminar attended by reconstructionists from the United States and Canada - receive training updates, new technology and procedures in many fields of Accident Reconstruction such as Computer Aided Drafting; Accident Animation; Human Factors & Night Visibility; Truck Braking Efficiency; Insurance Fraud; Roll-over Accidents; Lamp Analysis; Mechanical Vehicle Inspections; Occupant/Pedestrian Injury Analysis; and future automotive design technology.

5/10 to 5/14/93

MASSACHUSETTS STATE POLICE ACADEMY, New Braintree, MA

Accident Reconstruction Re-certification Course

40 - Hour Specialized Training Course - Accident Reconstruction re-certification. Review reconstruction methods and formulas; perform analysis on projects similar to what may be included in the upcoming ACTAR test for required for full accreditation.

5/22/93

ACCREDITATION COMMISSION FOR TRAFFIC ACCIDENT RECONSTRUCTION

Conducted at Massachusetts State Police Academy, Framingham, MA

Examination for Full Accreditation

8 - Hour ACTAR Examination - Part one consisted of seventy-five questions written test. Part two consisted of attendees completing a reconstruction project of an actual previously staged collision with known results. The exam is a final step toward full accreditation by the commission.

11/2 to 11/4/93

U.S. DEPARTMENT OF TRANSPORTATION

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

Conducted in Seekonk, MA

Occupant Protection Usage and Enforcement Instructor Training

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16 - Hour Specialized Training Course - instructor development training program in the proper usage of available occupant protection devices in a motor vehicle and appropriate police enforcement. Numerous objects and equipment in motor vehicles were identified as items that could cause injury if a crash occurred with occupants not utilizing this safety equipment. The course prepared students to be instructors in the field of occupant safety, specializing in training police officers to use occupant safety devices.

11/30 to 12/1/93

NIKON PHOTOGRAPHY INC.

Conducted at Massachusetts State Police Academy, New Braintree, MA

Law Enforcement Photography

16 - Hour Specialized Training Course in law enforcement photography dealing with the basics of camera operation, lens settings, proper use of telephoto and wide angle lenses, and techniques for obtaining quality law enforcement surveillance and evidence photographs.

2/21 to 2/25/94

FEDERAL BUREAU OF INVESTIGATION

Conducted at Massachusetts State Police Academy, New Braintree, MA

Basic Fingerprint Classification

40 - Hour Specialized Training Course – instructed by Special Agent Charles J. Walsh in the proper taking of inked fingerprints, Henry, FBI, and NCIC systems of classification of fingerprints.

3/28 to 4/1/94

FEDERAL BUREAU OF INVESTIGATION

Conducted at Massachusetts State Police Academy, New Braintree, MA

Latent Fingerprint Recovery Techniques

40 - Hour Specialized Training Course – instructed by Special Agent Charles J. Walsh in the recognition and interpretation of fingerprint patterns, proper procedure of taking major case prints, proper procedures for applying fingerprint powders, super glue fuming, alternate light sources, and chemical development of latent prints.

4/18 to 4/22/94

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Accident Reconstruction

27 - Hour Specialized Training Seminar - attended by reconstructionists from United States, Canada, and England to receive training in overhead damage profile photography, total station collision scene mapping, commercial vehicle paper trail, seat belts, airbag technology and development, tire autopsy, vehicle damage analysis, underide accidents, accident reconstruction reporting, and commercial vehicle brakes.

5/9 to 5/13/94

FEDERAL BUREAU OF INVESTIGATION

Conducted at Massachusetts State Police Academy, New Braintree, MA

Collection and Preservation of Physical Evidence

40 - Hour Specialized Training Course – instructed by Special Agent Charles J. Walsh in the general principles of the scientific disciplines involved in the examination of evidence and subsequent expert testimony during judicial proceedings. Emphasis is placed on the capabilities of

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the forensic science laboratory as well as the proper handling of evidence prior to submission to the laboratory. Also, the course provided hands-on training in shoe print and tire impression casting and lifting, latent print development, crime scene protocol and a practical exercise in crime scene investigation.

8/15 to 8/19/94

TEXAS ENGINEERING EXTENSION SERVICE OF TEXAS A&M UNIVERSITY

Conducted at Massachusetts State Police Academy, New Braintree, MA

Pedestrian/Bicycle Accident Investigation

40 - Hour Specialized Training Course – instruction by Jerry J. Eubanks and Rusty Haight, who are two well known experts in the field, consisted of gathering evidence from the roadway, vehicle, and victim in order to determine speed, direction of travel, evasive actions, and post impact trajectories of the impacting vehicle as well as the victim. Conducted actual motor vehicle crash tests with lifesize & weight crash dummies with and without bicycles.

12/14 to 12/16/94

MASSACHUSETTS STATE POLICE ACADEMY, *New Braintree, MA*

In conjunction with Governor's Highway Safety Bureau

Older Driver Visual Behavior on the Highway

20 - Hour Specialized Training Course - dealing with the unique problems encountered by older drivers on the roadways. Trained in recognizing problems associated with aging as it pertains to vision, mobility, and delayed reaction times. Dr. Bernard S. Abrams and Dr. Paul L. Olson who are two well-known experts in their field provided the training.

3/14 to 3/16/95

MASSACHUSETTS STATE POLICE ACADEMY, *Framingham, MA*

Intermediate Computer Operations

16 - Hour Specialized Training Course - in the use of microcomputers, how information is processed, and correcting common problems. Instructed in the use of Microsoft Word and Word Perfect at an intermediate level in short-cut commands, report writing, form making, formatting and special effects, importing and editing graphs and pictures.

6/12 to 6/16/95

TEXAS ENGINEERING EXTENSION SERVICE OF TEXAS A&M UNIVERSITY,

Bryant, Texas

Biomechanics of Accidents

40 - Hour Specialized Training Course - Determining the movement of occupants in a motor vehicle during a collision by instructors Joe Montgomery and Mike Andrews who are well known experts in their field. Trained in how to correlate occupant injuries to specific parts of the motor vehicle in order to determine seating position of occupant. Determining PDOF and occupant response, occupant dynamics, analysis of occupant restraint systems, blunt and sharp instrument injuries, documentation of physical evidence, emergency care, introduction to forensic toxicology, and understanding autopsy reports. Conducted seat belt stress tests with P.E. Besant-Matthews, M.D. at the Texas A&M lab to determine failure force for various seat belt conditions such as age, ultraviolet light exposure and fraying.

11/8 to 11/9/95

NATIONAL SOCIETY OF PROFESSIONAL INSURANCE INVESTIGATORS

Conducted in Columbus, OH

Advanced Insurance Fraud Seminar

16 - Hour Specialized Training Seminar - dealing with various aspects of insurance fraud investigation, litigation, good faith/bad faith, auto & building theft, accident reconstruction and related topics.

5/6 to 5/8/96

THE INSTITUTE OF FORENSIC STUDIES

Conducted at Impact General, Inc., Orange, California

Biomechanics of Injury from Traffic Collisions

24 - Hour Specialized Training Course - Biomechanical evaluation of injuries from traffic collisions by Frederick J. Kakis, Ph.D., Fred Johnson, Ph.D., Peter Orner, M.D., Ph.D., Jeffrey Wheeler, M.S., and others. A review of basic physics pertinent to traffic collisions, concept of energy, speed change (Delta-v), principles of vehicle restraint systems, vehicle & occupant behavior, basic laws of motion, centered frontal collisions, side collisions, rear end collisions with emphasis on low speed impacts, determining use of seat belts, effects of headrest position, overview of air bags, injury analysis, vehicle dynamics, occupant kinematics, whiplash associated disorders, human subject research, workshop, and applications.

3/27/97

MORRISON, MAHONEY & MILLER, Counselors at Law, Boston, MA

Conducted at Braintree Sheraton Tara, Braintree, MA

Defense/Insurance Law Update

5 - Hour Specialized Training Seminar - Bad faith litigation in arson and fraud cases, update of Chapter 93A issues and 1997 insurance law updates. Speakers included Adam J. Brand & Audrey C. Parr, Boston, MA; Alice Olsen Mann & Ralph C. Sullivan, CPCU, Boston, MA; Karen T. Hicks, CPCU, Mark S. Dias, James G. LeBlanc, Boston, MA.

4/21 to 4/25/97

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Accident Reconstruction

27 - Hour Specialized Training Seminar - Attended by accident reconstructionists from the United States, Canada, England, and Australia to receive training in Accident Reconstruction Legal Issues, Motorcycle Accident Investigation; Review and Refresher, Bicycle vs. Vehicle Accident Investigation Techniques; Effects of Tire Compounds in Friction Testing; Commercial Vehicle ABS Brake Systems; Interviewing Accident Victims & Witnesses; Advanced Computer Collision Diagramming; conducted 11 actual Side Impact Low Speed Crash Tests; Predicting Delta-V from Damage Analysis; Acceleration/Deceleration Rates of Tracked Recreational Vehicles; Watercraft Accident Investigation & Reconstruction; Motorist Processing of Traffic Control Devices in Road Construction Zones; Fatigue & Sleep Related Issues in Accident Reconstruction; Human Error; and National Transportation Safety Board Updates.

4/20 to 4/24/98

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Accident Reconstruction

27 - hour Specialized Training Seminar - Attended by Police Officers, Accident Reconstructionists, Engineers, and Automotive Experts from the United States, Canada, and Jamaica to receive the following training in Accident Reconstruction and related fields: Commercial Vehicle Accident Investigation & Commercial Vehicle Trailer Swing-out; Tires-Causative Factors; The use of In-Car Video in Accident Investigation; Linear Momentum Facts & Myths; Crash Diagramming with Lasers; Occupant Restraint Systems; Internet-Accident Reconstruction Research; Forensic Animation & Simulation; Determining Occupant Positions, and Occupant Kinematics & Injury Analysis.

5/5 to 5/7/98

MASSACHUSETTS OPERATION LIFESAVER

In Conjunction with the Federal Railroad Administration, Boston & Maine Railroad, & Conrail Conducted at Westover Air Force Reserve Base, Chicopee, MA

Grade Crossing Collision Investigation Course

16 - Hour Specialized Training Course - Attended by Police Officers and Accident Reconstructionists from Massachusetts in the investigation of railroad collisions at grade crossings involving motor vehicles, off-road vehicles, and pedestrians. The following subjects were covered: Grade crossing collision facts; train stopping distances; Massachusetts General Laws involving train collisions; locomotive components & warning devices; potential hazards; types of trains; environmental concerns; human element in collisions; drug & alcohol testing; how to stop a train; warning signs & street markings; crossing gates; train event recorders; legal issues; Operation Lifesaver terms & definitions and collision statistics.

6/18/98

COMMONWEALTH OF MASSACHUSETTS OFFICE OF ATTORNEY GENERAL

In conjunction with the Insurance Fraud Bureau of Massachusetts

Conducted in Worcester, MA

Staged & Jump-In Accidents – Premeditation and Opportunity

6 - Hour Specialized Training Seminar - Attended by insurance, government, legal, local & state law enforcement, and private industry professionals from all of Massachusetts. Trained in proposed Massachusetts Legislative changes; accident reconstruction, auto fraud, and identifying profiles, as it pertains to staged and jump-in accidents; conducting examinations under oath; and taking statements.

9/2/98

U.S. DEPARTMENT OF TRANSPORTATION

NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

Conducted in Burlington, MA

Traffic Occupant Protection Strategies Instructor

8 - Hour Advanced Instructor Development Training Course - Attended by local & state law enforcement officers and other traffic safety professionals in the teaching of proper occupant protection strategies. The following lesson plan subjects were covered: Occupant protection risks & survival; evaluating crash dynamics; enforcement & education; looking beyond the ticket; public information & outreach; and rescue guidelines for air bag equipped vehicles. The program

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provided traffic safety facts, videotapes, overhead slides, sample belt use policies, and a rescue workers air bag safety guide for use by the trained instructor in his/her training program. This program differs from the original *Occupant Usage & Enforcement Instructor Training Program* of 11/93 in that the training is directed more toward civilian drivers, passengers and child protection.

3/2 to 3/5/99

**U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION**

Conducted at Brockton Police Department, Brockton, MA

Standardized Child Passenger Safety Technician

32 - Hour Specialized Training Course - Certification as a Child Passenger Safety Technician. Attended by local & state police officers and other professionals from the medical, automotive, and transportation field. Received training in the basics of injury prevention, crash dynamics, federal role in safety standards for occupant protection, vehicle occupant protection systems, selecting appropriate child restraints, securing children correctly in child restraints, common misuse, compatibility, child passenger safety in other vehicles, and review of programs to increase child restraint use. Satisfactorily completed a child passenger safety checkpoint test procedure and was certified as a Child Passenger Safety Technician. Child Passenger Safety Technician Certificate number T-1647.

5/1 to 5/5/00

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Crash Reconstruction 2000

27 - Hour Specialized Training Seminar - Attended by Police Officers, Accident Reconstructionists, Engineers, and Automotive & Medical Experts from the United States, Canada, Puerto Rico, Cayman Islands, and Jamaica. Received training in the following Accident Reconstruction and Accident related fields: Monitoring & Recording of Collision Data, Staged High-Speed Instrumented Crash Test; Forensic Meteorology; Collection & Processing of Traffic Crash Evidence; Co-Axial Impact Theory; Investigation & Reconstruction of Impaired Driver Collisions; Multimedia Photography in Crash Reconstruction; Heavy Truck Rollover Thresholds Under Actual Road Conditions; Accuracy & Precision in Crash Reconstruction; Bloodstain Pattern Analysis in Traffic Crash Reconstruction; Calculating Speeds in Head-On Collisions; Commercial Vehicle Crash Investigation Update; Using Forensic Light Sources in Recovering Trace Evidence; Pitfalls in Crash Reconstruction Expert Witness Testimony; Measuring & Computerized Collision Diagramming for Staged Crash; Injury Analysis for Pedestrian Crash Investigation; Momentum & Physics Calculations for Staged Crash; Crashworthiness & Roadside Safety; Winsmac© & Wincrash© Analysis of Staged Crash.

10/06/00

NEW ENGLAND ASSOCIATION OF INSURANCE FRAUD INVESTIGATORS

Auto Placement Center, Taunton, MA

Fraud Damage Analysis

7 – Hour Specialized Training Seminar - Attended by Local, State and Federal law Enforcement Officers, Arson Investigators, Insurance Fraud Bureau Investigators, Insurance Company Executives & Special Investigators, Attorneys and others to discuss the means and methods used by unscrupulous auto body shops in committing insurance fraud and methods that can be used to combat their attempts. Program involved video of a simulated fraudulently damaged motor vehicle

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showing how enhanced damage was caused and how body shop persons attempt to pass the damage off as being consistent with the reported collision. The seminar also showed how to properly inspect and identify questionable unrelated damage and how to deal with the aggressive body shop personnel attempting to justify this unrelated damage.

4/17 to 4/20/01

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Crash Reconstruction 2001

27 - Hour Specialized Training Seminar - Attended by Police Officers, Accident Reconstructionists, Engineers, and Automotive & Medical Experts from the United States, Canada and England. Received training in the following Accident Reconstruction and Accident related fields: Predicting Driver Perception-Reaction Times; Vehicle Occupant Evidence, Black Box Technology in Cars and Light trucks; Tire Failure Analysis & Litigation; Traffic Engineering & Reconstruction; Practical Evidence Interpretation; Courtroom Presentations; Legal Blood Draws; Florida Legal Issues; Uncertainty Studies; Bicycle Crash Dynamics; Crash Injury Analysis; Post Collision Drag & Spin Analysis, Staged Crash Review; Collision Scene Mapping, and Vehicle Damage Analysis. The training seminar began with a 45 mph rear-end staged crash involving a driverless stopped vehicle and a driver operated offset rear impacting vehicle. Video camera, various data recorders and laser mapping equipment was used to record the collision.

9/12/01

UNIVERSITY OF MASSACHUSETTS, Amherst, MA

Conducted in Taunton, Massachusetts

MUTCD Millennium

8 - Hour Specilized Training Workshop – Reviewed the forthcoming changes in the Manual On Uniform Traffic Control Devices Millennium Edition. Presented by Dr. Jonathan Upchurch and Mr. John Healy who are experts in the field. The workshop included the following subjects: Brief history of the MUTCD; concept of “reformatting” the Manual to clearly identify Standard; Guidance, Option, and support material. New definitions in the Manual (over 70); compliance dates; traffic control devices for low volume roads; what’s new and different in Signs, Markings, Signals, Temporary Traffic Control, School Areas, and Bicycle Facilities. Future changes to the Manual and some examples of how not to install Traffic Control devices.

10/12/01

NEW ENGLAND ASSOCIATION OF INSURANCE FRAUD INVESTIGATORS

Conducted in Chelmsford, Massachusetts

Techniques for Investigating Structure Fires

2 – Hour Specialized Training Seminar – Presented by Jeff Lowe of Engineering & Fire Investigations on techniques required in conducting a successful structure fire scene investigation.

1/11/02

NEW ENGLAND ASSOCIATION OF INSURANCE FRAUD INVESTIGATORS

Conducted in Natick, Massachusetts

NICB Initiatives & Investigators Roll in Implementation

2 – Hour Specialized Training Seminar – Presented by Special Agent Thomas Carroll of the National Insurance Crime Bureau on what the NICB can do to assist local investigators especially as it pertains to cloned vehicles; counterfeit VIN plates, vehicles component stickers and titles.

1/18/02

RHODE ISLAND ASSOCIATION OF ARSON & AUTO THEFT INVESTIGATORS

Conducted in Greenville, Rhode Island

Car Cloning – What To Look Out For

2 – Hour Specialized Training Seminar – Presented by Special Agent Barbara Rambo of the National Insurance Crime Bureau, currently assigned to UCAT in Canada, on what is “Car Cloning” and what the NICB is doing to combat it. She has had cases where one legal vehicle was cloned six times and distributed across the United States.

1/24 to 3/14/02

U.S. DEPARTMENT OF TRANSPORTATION

U.S. COAST GUARD AUXILIARY

Conducted in Fall River, MA

Boating Skills and Seamanship Course

16 – Hour Specialized training course – presented by the Westport Massachusetts Flotilla 6-18. Trained in the proper operation, handling and maintenance of power boats, proper equipment, boat trailering, rules of navigation, weather considerations, radio etiquette, lines & knots and inland boating.

4/28 to 5/02/03

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Special Problems in Traffic Crash Reconstruction 2003

28 - Hour Specialized Training Seminar - Attended by Police Officers, Accident Reconstructionists, Engineers, and Automotive & Medical Experts from the United States, Bermuda, Canada, North Ireland, Japan, and Taiwan. Received training in the following Accident Reconstruction and Accident related fields: Geometric Design - Reconstructing Highway Collisions & How Roadway Can Factor Into Collisions; 3-Point Airborne Trajectory Analysis; Motorcycle Sliding Coefficient of Friction Values from Previous Tests; Occupant Kinematics (Biomechanics) in Collisions; Photogrammetry in Accident Reconstruction; NHTSA Crash Tests Data, Errors & Problems; Vehicle Instrumentation & Data Acquisition Analysis; Pedestrian Injuries and Amputations & Speed Correlation; Rollover Accident Reconstruction; Variability in Human Form – A Chiropractor’s View; Crash Data Retrieval System using *Vetronix* for Ford Products; Vehicle Rollover Testing; Vehicle Spinning Trajectory Drag Factor Validation Testing and Motorcycle Brake Testing. The training seminar began with numerous braking (skid) tests with motorcycles having state of the art anti-lock and or integrated, linked, or integral brake systems at a test track at TRW testing Facility. Five staged rollover crash tests were conducted at the test site. A number of vehicle spinout tests were also conducted using a pitting maneuver to determine useable drag factors. All tests were video recorded and most were instrumented for data acquisition.

10/6 to 10/8/03

COMMONWEALTH OF PENNSYLVANIA

Bureau of Training and Education - Pennsylvania State Police

Conducted at Days Inn State College, PA

2003 Collision Reconstruction Seminar

Roland J. Proulx, Jr.

24 - Hour Specialized Training Seminar - Attended by over 80 police officers that have been trained in accident reconstruction. Received training from a number of experts in accident reconstruction and related fields in the following subjects:

- Accident Reconstruction – a physicist’s approach by Bruno Schmidt
Newton’s Three Laws of Motion, Conservation of Momentum, Ideal Equations in a Real World and Accident Reconstruction “Rules” and Beliefs
- Detecting Mechanical Failures - Detecting & Dealing with Mechanical Defects by Wade Bartlett, PE. “Fresh” cars have special value, how to preserve a fracture, typical failures / examples, components and nomenclature, steering & suspension, brakes & throttle, tires & wheels and lamps
- Participated in nationwide research and testing for “Drag Sleds – Experimental Design Considerations. Testing team members included Wade Bartlett, Al Baxter, Ed Livesay and Bruno Schmidt. Many of the seminal participants brought their personal Drag Sleds and instructors brought others to be tested. Drag Sleds were tested on a number of different surfaces at a number of different locations and tested against RADAR and VC3000 instruments for accuracy. Test results to be published in the future.
- Discussed several aspects of Collision Data Retrieval from vehicles so equipped to download data and how to identify program errors caused by program limitations.

6/2 to 6/4/04

INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS

NEW ENGLAND ASSOCIATION OF INSURANCE FRAUD INVESTIGATORS

INTERNATIONAL ASSOCIATION OF MARINE INVESTIGATORS

Cape Cod Community College, Hyannis, MA

1st ANNUAL JOINT TRAINING SEMINAR

20 – Hour Specialized Training Seminar - Investigative techniques seminar attended by Fire, EMS and Police Personnel as well as insurance, fire and collision investigators from Massachusetts, New Hampshire, Maine, Rhode Island, Connecticut, New York, Pennsylvania, Georgia, Ohio, North Carolina, Maryland, California, Florida, and Indiana.

Topics included Computer fraud; spoilage of evidence; expert witness in fire and collision investigations; first responder in staged accidents; avoiding sabotage in SIU investigations; boat documentation; cloned vehicles; boat identification; forensic photography; investigating boat fires and interview techniques. The seminar also included a demonstration of a sailboat fire.

9/28 to 9/30/04

COMMONWEALTH OF PENNSYLVANIA

Bureau of Training and Education - Pennsylvania State Police

Conducted at Days Inn State College, PA

2004 Reconstruction Seminar

24 - Hour Specialized Training Seminar - Attended by over 80 police officers that have been trained in accident reconstruction. Received training from a number of experts in accident reconstruction and related fields in the following subjects: Three Point Airborne Trajectory Analysis, A New Look at Momentum for The Police Reconstructionist (Andy Rich); Drive 3 Demonstration (Jon Nothrup); Microsoft Excel Reconstruction (Greg Russell); Multiple Impact Collisions – Monte Carlo Method (Jeremy Daily); Utility Pole and Tree Impacts (Joe Cofone). Demonstrations in the following: Total Stations, MapScenes, Visual Statement Vista FX and CadZone.

3/10 to 3/12/05

NEW YORK STATEWIDE TRAFFIC ACCIDENT RECONSTRUCTION SOCIETY (NYSTARS) *Conducted at IBM Research Center Yorktown, NY*

Perception Reaction Basics & Driver Response

24 - Hour Specialized Training Seminar – Focused on “human factors” as it relates to collisions and a driver’s emergency response. Presented examples of delays of perception and corresponding driver response during nighttime operation; response to various operator tasks, path intrusions, lane changes and lead vehicles actions; documenting lighting and response to traffic signals. Instructor Jeffrey W. Muttart of Eastern Connecticut State University and Accident Dynamics, recognized as a leading expert in the accident reconstruction industry in perception / reaction studies.

3/20/06 to 3/23/06

VISUAL STATEMENT INC., *Kamloops, British Columbia.*

Conducted at Swansea Ambulance Corps, Swansea, MA.

Basic & Advanced Diagramming – 3D Animation in Collision Reconstruction - Nikon NPL – 352 Total Station Set-up and Operation Training

32 – Hour Specialized Training Course – Instructed Accident Reconstructionists and Engineers in the use of the “Vista FX-2 Pro-Recon” drawing and 3D animation software used in collision reconstruction and crime scene diagramming. Training included creating scaled diagrams from “Smart Road” components, “Scene Wizard”, “Smart Scenes” and importing coordinates from a total station. Generated 2D and 3D diagrams of actual collision scenes and performed subsequent animations. Actual hands-on training was also provided in the set-up and operation of the Nikon 352 Total Station laser measuring device including scene mapping, prism and prismless method of measuring as well as downloading the collected data to the Vista FX-2 computer assisted drawing program. Instructed by ACTAR accredited Charles Odom, Assistant Chief of Police, Union City Georgia.

3/22/06 to 3/23/06

NATIONAL EXPERT WITNESS CONFERENCE, *Falmouth, MA*

Conducted at the Four Points Sheraton, Hyannis, MA

15th Annual SEAK, Inc. National Expert Witness Conference

14 – Hour Specialized Training Conference – Deposition techniques; preparing for trial; testifying as an expert; using visuals and animations; teaching the judge, jury and counsel and management skills in order to become an more effective and credible expert witness. Included were presentations from judges, attorneys and renowned experts such as: Hon. Christopher J. Muse, Boston, MA; Hon. Joseph J. Maltese, New York, NY; Jeffrey H. Warren, PhD, PE, CSP Columbia, SC; Leslie Dae Johnson, PhD, Bridgewood, NJ; Michael M. Baden, MD, New York, NY and others.

3/31/06

NEW YORK STATEWIDE TRAFFIC ACCIDENT RECONSTRUCTION SOCIETY, INC., (NYSTARS), *Mohegan Lake, New York*

Conducted at IBM’s Watson Research Center, Yorktown Heights, NY

Critical Curve Speed Theory

8 – Hour Specialized Training Seminar – Presentation video and data in regards to the “Critical Curve Speed Theory” and “Friction on Contaminated Roads”; Critical Speed Yaw Analysis; tire marks and electronic stability control. Instructor Dr. Richard Lambourne of the Transport Research Laboratory LTD, London, England

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7/20/07

BUNCE INDUSTRIES, LLC, *Stow, MA 01775*

Using Modern Technology to Document Crash & Crime Scenes

8 – Hour Specialized Training Seminar – Presentation by Timothy Brown, Manager of Forensic Services at Bunce Industries. Seminar presented to law enforcement officers and forensic specialists as to what tools have been effectively used to re-create crime and crash scenes and what tools are available to document scenes properly using the fastest, most accurate processes Available. Create accurate scene diagrams that will allow you to transport the collision scene to the court room. Perform documentation, measurement and presentations in order to show theories with pictures and animations. Instruction on how to effectively measure a crash or crime scene whether you use a tape measure or an electronic device. Hands-on exercises, crash scenes, interior crime scenes and large out door crime scenes. Use of the latest state of art instruments available today.

10/29 – 10/30/07

Commonwealth Police Service, Inc. *Assonet, MA*

Conducted at Leicester Police Department, Leicester, MA

Harbormaster Legal Powers in Massachusetts

16 – Hour Specialized Training Seminar – Presentation by Attorney Patrick Rogers regarding Powers of Arrest, powers to search, overlapping jurisdictional power as Harbormaster, training requirements, arrest for OUI & drugs, Thorough discussion of Chapter 90B, common law powers, various statutory powers, powers as a shellfish warden, appointments (at-will vs. tenured), jurisdiction of the Harbormaster, powers of arrest – ability to detain, ability to request aid & assistance, power to investigate terrorist activity, duties & responsibilities to board ships, Melanie’s Law regarding Harbormaster. Civil liability as Harbormaster, power as constable and power as special police officer.

8/18 – 8/22/08

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT

University of North Florida, Jacksonville, FL

Conducted at Pembroke Pines Police Department, Pembroke Pines, FL

Scene Mapping Using Lasers & Diagramming

40 – Hour Specialized Advanced Training Course – Taught by Bobby E. Jones, Adjunct Instructor for IPTM. Course involved forensic mapping concepts, operator safety, reflector techniques, instrument setup, data collector, reference points, accuracy confirmation shots, introduction to computer aided drafting (CAD), intermediate computer aided drafting (CAD) techniques and merging scene mapping files. Course included 8 scene mapping projects and a proficiency evaluation test.

PROFESSIONAL ORGANIZATIONS:

1972 to Present:

Active member of the *Massachusetts Police Association*

2/92 to Present

Active member of the *Society of Accident Reconstruction (SOAR)*, a professional organization formed to share the challenge of dealing with complex problems of accident

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reconstruction, and to maintain the highest standards of ethics and integrity. Included are quarterly professional journal publications which are subject to peer review.

2/92 to Present:

Active member of the *National Association of Professional Accident Reconstruction Specialist (NAPARS)*, a professional organization formed to share the challenge of dealing with complex problems of accident reconstruction, and to maintain the highest standards of ethics and integrity. Included are bimonthly professional journal publications which are subject to peer review.

1/93 to Present:

Active member of the *Benevolent and Protective Order of Elks of USA* Lodge 118 Fall River, Massachusetts. Appointed Lodge Chairman of Public Safety 1/95 to 6/2000.

9/01 to Present:

Active Member of the *New England Association of Insurance Fraud Investigators, Inc., (NEAIFI)*

1/03 to Present:

Active member of the *New York Statewide Traffic Accident Reconstruction Society, Inc., (NYSTARS)* a professional organization that promotes education and peer review through instruction and the exchange of information and industry accepted techniques to individuals in the field of accident reconstruction.

7/04 to Present:

Active member of the *International Association of Marine Investigators, Inc. (IAMI)*

10/07 to Present:

Active member of the National Association of Traffic Accident Reconstructionists and Investigators (NATARI), a professional organization to encourage, promote, aid in and effect the voluntary interchange among members of the Association of data, information, knowledge, methods and techniques relating to the profession of accident investigation and reconstruction. Establish ethical and professional standards of work and conduct for its members and to foster and encourage observance of the same.

10/94 to 6/98:

Member of the *South Shore Safety Officers League.*

10/94 to 6/98:

Member of the *Massachusetts Safety Officers League.*

7/93 to 8/97:

Member of the *International Association of Auto Theft Investigators, (IAATI).*

6/94 to 6/02:

Member of the *Rhode Island Association of Auto Theft and Arson Investigators, (RIAATAI). (Dissolved 2002)*

ACCREDITATIONS:

9/92 to 7/93:

Accreditation Commission for Traffic Accident Reconstruction (ACTAR), Received an Interim Qualification Certificate from ACTAR based upon a review of my current level of training and education.

7/93 to Present:

Accreditation Commission for Traffic Accident Reconstruction (ACTAR)

Received a Full Accreditation Certificate as a Traffic Accident Reconstructionist from *ACTAR*. *ACTAR* was established to identify the institutions, specific programs, and individuals that have met the criteria for accreditation. *ACTAR* provides an initiative for improvement of existing educational programs in traffic accident reconstruction and the development of future programs. Dedicated to stimulate and promote standardized traffic accident reconstruction programs and training as well as setting the minimum level of such individual training and standards.

This long-term accreditation is renewable every five years or less with a re-examination or upon evidence of completing eighty contact hours of *ACTAR* accepted accident related training during that same time period. Accredited Reconstructionists must abide by *ACTAR* rules or face dismissal. Registration Certificate #300.

- Re-Accredited - 2/98, 6/03, 3/06

EXPERT TESTIMONY

I have been recognized as an expert in the field of Accident Reconstruction and related fields and have given testimony at trials, arbitrations and depositions that was accepted as such under the jurisdiction of the following courts on the following dates:

COURT PROCEEDINGS/ARBITRATIONS/DEPOSITIONS¹:

STATE:	TYPE²:	LOCATION:	CITY/STATE:	DATE:
1. Connecticut -	T	New Haven Superior Court,	New Haven, CT	1/5/96
2. Connecticut -	T	New Haven Superior Court,	Meriden, CT	3/20/96
3. Connecticut -	T	Bridgeport Superior Court,	Bridgeport, CT	2/10/97
4. Florida -	D	17 th Judicial Circuit Court,	Broward County (by phone)	2/22/02
5. Illinois -	D	12 th Judicial Circuit Court,	Will County, IL	1/21/00
6. Massachusetts -	CT	Fall River 2nd District Court,	Fall River, MA	1/94
7. Massachusetts -	T	Somerville District Court,	Somerville, MA	9/13/94
8. Massachusetts -	T	Fall River 2nd District Court,	Fall River, MA	10/3/94
9. Massachusetts -	T	Fall River 2 nd District Court,	Fall River,	12/96
10. Massachusetts -	T	Fall River 2 nd District Court,	Fall River,	1/15/97
11. Massachusetts -	T	Malden District Court,	Malden MA	1/29/97
12. Massachusetts -	CD	United States District Court,	Boston, MA	2/20/98
13. Massachusetts -	CT	United States District Court,	Boston, MA	7/7/98

² TYPE: T = Trial, CT = Criminal Trial, A = Arbitration, D = Deposition, CD = Criminal Deposition

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14. Massachusetts - A	Endispute Arbitration Service, <i>Boston, MA</i>	8/6/98
15. Massachusetts - A	Driscoll & Gibson, Arbitration, <i>Marshfield, MA</i>	10/28/99
16. Massachusetts - D	Bristol County Superior Court, <i>Fall River, MA</i>	3/15/00
17. Massachusetts - D	Middlesex Superior Court, <i>Wellesley, MA</i>	5/9/00
18. Massachusetts - T	Bristol County Superior Court, <i>New Bedford, MA</i>	6/20/00
19. Massachusetts - T	West Roxbury District Court, <i>W. Roxbury, MA</i>	7/12/00
20. Massachusetts - A	American Arbitration Association, <i>Boston, MA</i>	8/9/00
21. Massachusetts - A	United States District Court, <i>Springfield, MA</i>	11/1/00
22. Massachusetts - D	Massachusetts Superior Court, <i>Taunton, MA</i>	4/12/01
23. Massachusetts - T	Pittsfield District Court, <i>Pittsfield, MA</i>	10/9/01
24. Massachusetts - D	Bristol County Superior Court, <i>Fall River, MA</i>	6/26/02
25. Massachusetts - D	Bristol County Superior Court, <i>New Bedford, MA</i>	2/6/03
26. Massachusetts - CT	Bristol County Superior Court, <i>Taunton, MA</i>	2/27/03
27. Massachusetts - A	Burbank Mediation Services, <i>Springfield, MA</i>	4/24/03
28. Massachusetts - A	National Arbitration & Mediation, <i>Boston, MA</i>	5/20/03
29. Massachusetts - A	CMCI, <i>Brockton, MA</i>	6/10/03
30. Massachusetts - CT	Marlboro District Court, <i>Marlboro, MA</i>	8/6/03
31. Massachusetts - T	Salem District Court, <i>Salem, MA</i>	9/25/03
32. Massachusetts - D	Bristol County Superior Court, <i>Fall River, MA</i>	10/25/05
33. Massachusetts - T	Boston Municipal Court, <i>Boston, MA</i>	10/26/05
34. Massachusetts - T	Lynn District Court, <i>Lynn, MA</i>	3/15/06
35. Massachusetts - A	Mediation Solutions, <i>Taunton, MA</i>	1/5/07
36. Massachusetts - D	Hampshire County Superior Court, <i>Northampton, MA</i>	5/9/08
37. New York - T	NY Worker's Comp. Court, <i>Long Island, NY</i>	1/18/95
38. New York - T	Supreme Court Nassau County, <i>Nassau County, NY</i>	2/6/96
39. New York - T	Supreme Court Kings County, <i>Kings County, NY</i>	11/20/97
40. New York - T	Supreme Court Westchester County, <i>White Plains, NY</i>	5/19/99
41. New York - T	Supreme Court Nassau County, <i>Hempstead, NY</i>	11/23/99
42. New York - D	Supreme Ct. Westchester County, <i>White Plains, NY</i>	5/23/00
43. New York - A	Supreme Ct. Westchester County, <i>White Plains, NY</i>	1/16/01
44. New York - A	Supreme Ct. Westchester County, <i>White Plains, NY</i>	6/20/01
45. New York - T	Supreme Court Rockland County, <i>New City, New York</i>	6/6/02
46. New York - T	Supreme Court Rockland County, <i>New City, New York</i>	9/4/02
47. Ohio - T	Sandusky Court of Common Pleas, <i>Sandusky, OH</i>	11/1/95
48. Pennsylvania - CT	U. S. District Court, <i>Philadelphia, PA</i>	11/17/94
49. Pennsylvania - T	Workers' Compensation Court, <i>Greensburg, PA</i>	1/17/96
50. Pennsylvania - CT	Municipal Ct. of Common Pleas, <i>Philadelphia, PA</i>	10/31/97
51. Rhode Island - T	Providence District Court, <i>Providence, RI</i>	1/5/94
52. Rhode Island - T	Newport Superior Court, <i>Providence, RI</i>	9/26/97
53. Rhode Island - T	Providence County Superior Court, <i>Providence, RI</i>	3/30/99
54. Rhode Island - D	R.I. Superior Court, <i>Providence, RI</i>	2/22/00
55. Rhode Island - D	R.I. Superior Court, <i>Providence, RI</i>	12/20/04
56. Rhode Island - T	Providence District Court, <i>Providence, RI</i>	2/22/05
57. Rhode Island - D	R.I. Superior Court, <i>Providence, RI</i>	1/10/08
58 ³ Rhode Island - D	R.I. Superior Court, <i>Kent County, RI</i>	1/31/08

³ Total = 58: Trials - 33 Arbitrations - 10 Depositions - 15

TRAINING & INSTRUCTION

The following is a list of training and instruction, which has been given by me relative to my experience and training and field of expertise.

Fall River Police Department, **Police Radar Operator's Class** (Numerous Dates) 1991 – 2002
Fall River Police Department, **Occupant Protection Class** (Numerous Dates) 10/94 – 6/97
Fall River Public Schools, **Pedestrian & Occupant Safety** (Numerous Dates) 10/94 – 6/97
Bristol Community College, F.R., MA **Pedestrian & Occupant Safety** (Numerous Dates) 94 –97
Sacred Heart Seniors, Fall River, MA **Elderly Driver Safety Training** 3/13/95
Niagara Senior Assoc., Fall River, MA **Elderly Driver Safety Training** 4/12/95
Westport High School, Westport, MA **Accident Reconstruction Seminar** 5/22/95
Progressive Insurance Co., Albany, NY **Accident Reconstruction Seminar** 5/25/95
Fall River Police Department, **School Crossing Guard Training** (Numerous Dates) 10/94 – 6/97
Nat. Assoc. Of Insurance Invest. Columbus, OH **Accident Reconstruction Seminar** 11/9/95
Prudential Insurance Co., Beechwood, OH **Accident Recon. Seminar** 12/11/96
NYNEX, Telephone Co., Fall River, MA **Occupant Safety Training** 3/24/97
ELCO Administrative Services, Canton, MA **Accident Reconstruction Seminar** 9/19/01
Peerless Insurance Co., Rocky Hill, CT **Accident Reconstruction Seminar** 10/10/01

REFERENCES:

Furnished upon request

ⁱ Some court and arbitration appearances have been omitted due to incomplete record of attendance prior to 1/94. Depositions were only recorded as of 1/1/98 to present.