

LEW GRILL
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A description of the professional background of Lew Grill

Since 1968, I have worked in the trucking industry as a truck driver, owner operator, truck driver-training instructor, truck driver training program director, and as a consultant for motor carriers and truck driving schools. I am currently licensed and certified as a commercial driver for tractor-trailer with endorsements for hazardous materials, tank truck, double & triple trailers, passenger carriage, and school bus, I am certified for air brake inspection and repair, and certified for operation of Longer Combination Vehicles (LCVs). I am also certified as a Pilot/Escort Driver for Oversize and Supersize Loads of extreme weight & dimension, and I have a Transportation Worker Identification Credential issued by the U.S. Department of Homeland Security.

I have logged approximately two million miles driving tractor-trailers in all 48 states, eight (8) Canadian Provinces, Alaska north of the Arctic Circle, Puerto Rico, Mexico, and Central America. I currently drive tractor-trailers in interstate operations for thousands of miles each year in the normal course of my work with attention on special operations, including video recording of thousands of miles of various terrain, visibility, and weather conditions from the truck driver's point-of-view. My driving experience includes operating tractor-trailers according to reenactment protocol for accredited institutions, and under the direction of forensic engineers, for the purpose of accident reconstruction, visibility studies, transportation research projects, pedagogical research, SAE Papers, videography for film and television, and accident investigation intended for court testimony.

I have assisted in the production of more than a dozen instructional videos and multimedia training modules for truck drivers. My background in photography, cinematography, and audio/video recording extends over 35 years, and includes numerous works on trucking and commercial motor transportation that have appeared in national advertising, books, and magazines, and national television. I have written more than 15 books and hundreds of articles on trucking, truck driving, and heavy equipment operation.

I have made guest speaker appearances as a truck driver training expert for the nation's leading trucking industry associations and organizations. My name appears frequently in trucking trade publications and various media in the context of being a knowledgeable, expert and authoritative source on matters relating to truck driving and truck driver training. In 2007 I was featured in a trucking segment on the Discovery Channel.

During the course of my experience, I have accumulated 24 years experience as a truck driving instructor, truck driving program director, and truck driving curricula designer. I am co-founding partner of The SAGE Corporation, which operates truck driver training programs in more than thirty-four locations nationwide. Currently, my primary job functions include qualification, training, and supervision of more than one hundred and seventy driving instructors, and maintenance management of more than one hundred pieces of truck and trailer equipment. I also supervise special projects and transportation studies for our Accredited Institution, SAGE Technical Services, and I serve as the liaison to industry and government for SAGE. I have comprehensive experience in mining and construction industries relative to equipment operation and workplace procedures. My education, training and experience includes managing motor fleet safety programs, accident investigation, and traffic accident reconstruction.

I have training and experience in truck accident investigation, vehicle dynamics, and accident reconstruction, including heavy truck vehicle accident reconstruction, and pedestrian motor vehicle accident reconstruction. I have testified in litigation matters in Federal and State courts where I have qualified as an expert concerning safe operation of commercial motor vehicles and the standard of care of commercial vehicle operators and motor carriers in the courts of AK, AZ, CA, CO, FL, ID, IL, IN, KS, KY, MA, MD, MI, MN, MO, MT, NC, NE, NJ, NM, NV, NY, OH, OK, OR, PA, SC, SD, TX, UT, VA, WA, WI, WV, WY, and Guam.

Work Experience

- 8/89 – current The SAGE Corporation, Camp Hill, Pennsylvania
Director/Partner of the corporation
Safety Supervisor and Director of Transportation Studies
Responsible for truck driver curriculum development, student job development, new facility set-up, instructor selection and training, and management of the corporation's truck fleet equipment and maintenance records, qualification of driving instructors and maintaining driver qualification files. Provide courtroom consulting on litigation matters involving truck accidents. Perform transportation studies for research projects and accident investigation and reconstruction. Serve as liaison to the trucking industry and government affairs with regard to safety, education and training.
- 1989 – 1990 Rocky Mountain College, Billings, Montana
Program Director
Responsible for managing a Motor Carrier Driver and Management Program for the College's Division of Continuing Education.
- 1988 – 1989 Waggoners Trucking Company, Billings, Montana.
Development, design and management of a truck driving program to prepare drivers for LTL flatbed operations across international borders between the 48 contiguous states, Canada, and Alaska.
- 1983 – 1988 United States Truck Driving School, Denver, Colorado
Director of Operations
Responsible for development and design for the school's truck driver training programs. In charge of advertising, marketing, admissions, training department, and job placement department. Served as the school's liaison to the school's accrediting agency and to the trucking industry.
- 1979 -- 1983 International Transport, Rochester, Minnesota
Contractor driver (tractor-trailer)
Transported oversized and specialized loads throughout the Continental United States, Canada, and Alaska. Operations included top-secret aerospace and military projects.
- 1977 – 1979 Midwestern Distribution, Fort Scott, Kansas.
Contractor driver (tractor-trailer)
Transported dry-good products throughout the Continental United States.
- 5/76-11/77 Pepsi Cola, Panama City, Florida
Tractor-trailer Driver
Transported finished products out of plant, and raw materials back in throughout Southeastern United States.
- 9/74-5/76 Hubbard Inc., Panama City, Florida
Tractor-trailer driver
Hauled products for interstate trucking operation.
- 5/74-9/74 Gulf Construction, Panama City, Florida
Truck Driver
Seasonal position hauling sand and gravel for road building and commercial construction.

- 5/73-4/74 Harrison-Western Mining Corp., Lakewood, Colorado
Truck driver and heavy equipment operator
Seasonal heavy construction
- 11/71-10/72 General Equipment Company, Old Forge, Pennsylvania
Truck driver and heavy equipment operator
Worked on mine fire extinguishing projects.
- 7/69-11/71 Pagnotti Coal Company, Exeter, Pennsylvania
Truck driver and heavy equipment operator
Worked on strip mine operations and highway construction projects.

Special Truck Driving & Instructional Assignments

- 2009 Truck driving investigation: visibility factors on US 36 Macon County, Missouri.
- 2008 Velocity Investigation: velocity ranges of a CMV truck as a function of gear selection at low engine speed versus top governed speed, The SAGE Corporation's Division of Transportation Studies, Billings, Montana.
- 2008 Time & Motion Investigation: effectuating movement of an unloaded CMV truck using low gears from a stopped position, The SAGE Corporation's Division of Transportation Studies, Billings, Montana.
- 2008 Field Testing & Analysis: pedestrian drag factors, night visibility, and pedestrian velocities for walking, jogging, and running, Northwestern University, Evanston, Illinois.
- 2008 Field Testing & Analysis: various braking, acceleration, and turning characteristics of heavy-duty trucks, Bosch Automotive Proving Grounds, South Bend, Indiana.
- 2007 Truck driving investigation: visibility factors on TX State Route 80, Gillett, Texas.
- 2007 Trucking pilot feature for cable TV show.
- 2007 Truck driving investigation: visibility factors on I-80/90 (Indiana Toll Road) in Elkhart Co., Washington Township, Indiana.
- 2007 Discovery Channel Trucking Segment Feature, "Hazard Pay" – re: steep-grade mountain driving across the Continental Divide during avalanche and snow covered roads. (Filmed in Colorado and Utah).
- 2007 Stopping Distance Investigation: fully loaded tractor-trailer within measured distance at various speeds, The SAGE Corporation's Division of Transportation Studies, Billings, Montana..
- 2007 Visibility, speed, and timing measurement study re: angle-backing across two traffic lanes into driveway during darkness, Anaheim, California.
- 2006 Turning and handling characteristics of 7-axle truck with steerable trailer axle, (mt, ut, or, id, wa)
- 2005–2006 FMCSA Project: Supervised special program, under USDOT contract, consulting and teaching new entrant motor carriers for regulatory compliance.
- 2005 Right turn, time and motion study of five-axle tractor trailer, The SAGE Corporation's Division of Transportation Studies, Billings, Montana.
- 2005 Visibility measurement study re: exclusive mirror use of tractor trailer, Chicago, Los Angeles, and Billings, MT.
- 2005 Visibility and time and motion study of placing out reflective triangles at night on a 2-lane highway, Long Island, New York.
- 2005 Truck driving investigation: confined-space turning (u-turn) capabilities of a 70' long tractor with spread-axle trailer on a 2-lane highway, Lincoln, CA.
- 2005 Visibility study re: proper adjustment of mirrors on waste management truck, Burbank, CA.

- Visibility study and examination of operating a truck in confined overhead and peripheral space in a residential area, Chicago IL.
- 2005 Visibility study of right side mirror usage of tractor trailer, San Leandro, CA.
- 2005 Visibility study of waste management truck backing maneuvers & procedures with regard to indoor operations, Newark, NJ.
- 2005 Visibility study of nighttime operation on interstate highway, Winnemucca, NV.
- 2004 Time and speed study of various complex truck transmissions in all gears, The SAGE Corporation's Division of Transportation Studies, Billings, Montana.
- 2004 Truck driving investigation: visibility factors and turning maneuvers of a LCV, Las Vegas, NV.
- 2004 Truck driving investigation: visibility factors and maneuverability of 70' tractor-semi-trailer on acute winding mountainous road, Auburn, CA.
- 2003 Truck driving investigation: normal stopping distance performance of a tractor/semi-trailer traveling on an interstate highway at various speeds, Cuervo, New Mexico.
- 2003 Visibility study re: exclusive use of truck-tractor right-side port window, The SAGE Corporation's Division of Transportation Studies, Billings, Montana.
- 2002 Truck driving investigation of trailer brake adjustment change as a result of mileage and exclusive usage, New York City & Newark Metropolitan areas, and Pennsylvania and New York State mountainous regions, *(For published data, see SAE Paper: 2009-01-0091)*.
- 2001 Truck driving assignment for reconstruction of semi-truck/pedestrian accident illustrating speed management and correct lane usage for performing right turns on multi-lane city streets; Sacramento, California.
- 2001 Truck driving assignment for space management study and data collection to determine the interval time required for a 99' longer combination vehicle (LCV) truck to cross a stream of traffic, turn left, and enter a stream of traffic, Las Vegas, Nevada.
- 2001 Truck driving assignment for reconstruction of double trailer LCV/pedestrian accident and night time visibility study of passing maneuver of double trailer LCV overtaking triple-trailer LCV on Interstate highway.
- 2001 Calculation study of high intensity illumination of low beam headlights on heavy-duty trucks, Las Vegas, Nevada.
- 2000 Photographic documentation of recommended truck/railway crossing acute angle approach, Montana Rail Link.
- 2000 Data collection and calculation study demonstrating stopping distances in reference to, brake application of loaded 10-wheel dump trucks, Montana Rail Link.
- 1999 Safety Countermeasures videotape production and lecture for SYSCO Foods.
- 1999 Designed owner-operator presentation program for C.R. England Trucking Company, Salt Lake City, Utah.
- 1998 Photographic documentation and re-enactment of truck/railway crossing approach at acute angle, BNSF, Montana.
- 1996 & 1997 Specialized training services for Emory Worldwide, in Aguidilla and San Juan Puerto Rico.
- 1996 Truck driving assignment for reconstruction of double trailer LCV/pedestrian accident and night time visibility and timing study of double trailer LCV turning left from 6-lane street to 4-lane street; Las Vegas, Nevada.
- 1994 Truck driving assignment for reconstruction of double trailer tank-truck/pedestrian accident and night time visibility study of double trailer tank-truck on 2-lane unlighted road.
- 1994 Consulting and teaching to assist Arctic Sivunmun Ilisagvik College and the North Arctic Regional Corporation set up truck and equipment training for Native Americans in eight Eskimo villages to work in Alaska's petroleum fields and build ice roads on Arctic north slope.

- 1986 - 1992 Consulting and teaching in Panama City, Panama. Assisted Panamanian government in training personnel to assume trucking jobs for the transformation of the Panama Canal.
- 1992 Consulting and skills training, load securing on flatbed trailers, U.S. Army Motor Transportation.
- 1992 Consulting and teaching to assist Alaska Teamster Union set up truck driver training schools in Anchorage and Fairbanks.
- 1991 Consulting and teaching to assist Crow Indian Nation of Montana to set up commercial motor carrier operations.
- 1990 Trained CONRAIL corporate management to implement in-house training for truck drivers.
- 1990 Trained U.S. Department of Energy employees for Commercial Drivers License.
- 1989 Consulting and program author, novice and advanced interstate truck driving and transportation management for company personnel, Toys–R–Us.
- 1988 Course development for Perrot Truck Company in Valparaiso and Santiago, Chile, South America.
- 1986 Truck driving assignment for space management study and data collection to determine the interval time required for a tractor with double-trailers to cross a stream of traffic, turn left, and enter a stream of traffic on a 4-lane highway; Las Vegas, Nevada.
- 1984 Truck driving assignment for space management study and data collection to determine the interval time required for a single tractor-trailer to cross a stream of traffic, turn left, and enter a stream of traffic on a 6-lane highway; Denver, Colorado.
- 1983 Brake temperature study of various methods of air brake usage with loaded truck descending steep mountain grades, Berthod Pass and Loveland Pass, Colorado.
- 1983 & 1986 Trained U.S. Bureau of Mines and U.S. Department of Geological Survey personnel in specialized equipment and off-road terrain vehicles.

Industry Relations, and Special Interest to Education and Workforce Development

- 2004-present Member of North American Transportation Management Institute.
- 2003-present Member of Safety Committee for Montana Contractor's Association.
- 2001–2005 Reappointment by Montana Governor Judy Martz to State Workforce Investment Board.
- 2000–2005 Appointment to Montana's Balance of State Local Workforce Investment Board to a special committee to derive an allocation formula for distributing funds and grant awards to area wide workforce system services and career programs.
- 1999–2001 Appointment by Montana Governor Marc Racicot to State Workforce Investment Board.
- 1999–2005 Chairman of Performance and Accountability Measures Committee and Funding Committee to the Montana State Workforce Investment Board.
- 1999–2005 Member of Montana Balance of State Board (BOS).
- 1998 Appointment by Montana Governor to taskforce for the implementation of Workforce Development Act of 1998.
- 1998–2005 Member of Job Service and Employers Committee (JSEC), District 7, Montana.
- 1986–1997 Professional Truck Driver Institute Certification Committee Taskforce for development of educational standards for truck driver training programs.
- 1987–1990 Board of Directors for the Professional Truck Driver Institute.
- 1987–1989 Executive Director of the National Association of Truck Driving Schools.
- 1986–1988 Legislative Committee, National Association of Trade & Technical Schools (NATTS), accrediting agency.

- 1987–1988 Business & Industrial Relations Committee Member for NATTS, accrediting agency.
 1986–1987 Secretary of the National Association of Truck Driving Schools.

Published Works of Lew Grill

Books

- 2001 Wrote content for special edition of *Rand McNally Motor Carriers' Road Atlas*.
 1998 *Partners In Business* Co-written various chapters, Randall Publishing and Volvo Trucks
 1995 *Owner Operator Management System*, Atlantic Pacific Publishing.
 1995 *Principals of Business*, ISBN: 1-881912-10-8, Atlantic Pacific Publishing.
 1995 *From Entry-Level Training to Solo Driving*, ISBN: 1-881912-12-4, Limited edition, Pollard Publishing.
 1994 *Professional Driver Workbook*, ISBN: 1-881912-08-6, Atlantic Pacific Publishing.
 1994 *Introduction To Heavy Duty Trucking*, ISBN: 1-881912-07-8, Atlantic Pacific Publishing.
 1994 *Dictionary of Trucking Industry Terms*, ISBN: 1-881912-06-X, Atlantic Pacific Publishing.
 1992 *Trucking Illustrated*, ISBN: 1-881912-01-9, Atlantic Pacific Publishing.
 1992 *Interstate Driver: Independent Operator*, ISBN: 1-881912-04-3, Atlantic Pacific Publishing.
 1992 *Chemlab*, Limited edition, Atlantic Pacific Publishing.
 1992 *Jumpstart: a primer for going into the trucking business*, ISBN: 1-881912-04-3, Atlantic Pacific Publishing.
 1992 *Practical Knowledge for Independent Contractors*, ISBN: 1-881912-02-7, Atlantic Pacific Publishing.
 1992 *General Truckforms*, ISBN: 1-881912-03-5, Atlantic Pacific Publishing.
 1988 *Bumper to Bumper*, ISBN: 0-9621687-0-X, co-written various chapters, Byrnes & Assoc.
 1988 *Owner Operator: successful operation of 1 to 50 trucks*, ISBN: 0-89100-298-7, IAP.
 1987 *Essential Techniques for the Professional Driver*, ISBN: 0-89100-294-4, IAP.
 1986 Lesson Books for *Interstate Truck Driver Course* and *Owner Operator Course*, various chapters, United Truckmasters.
 1985 Lesson Books for *Owner Operator Course*, various chapters, MTA Training.
 1985 Lesson Books for *Truck Driver Course* and *Heavy Equipment Course*, various chapters, Superior/Continental Training Services, 7 volumes.

Magazine Articles — The collection of work spans from 1979 to current, and includes over 400 articles.

- 1998 – 2005 *Independent Trucker Journal* – field editor – monthly feature articles
 1997 – 2002 *Women in Trucking* – contributing writer - features.
 1994 – 2002 *Road Scholar* – monthly column and feature articles.
 1994 – 2002 *Trucking Magazine* – monthly column and feature articles.
 1993 – 1994 *The Trucker Newspaper* – freelance assignments.
 1992 *NATSO Truckers News* – 10 article feature series.
 1996 *Equipment World* - assignment on cargo securing.
 1986 - 1994 *Overdrive Magazine* – freelance assignments.

1982 - 1987 *American Trucker Magazine* – correspondent on the editorial staff, monthly feature assignments.
 1987 *Heavy Duty Trucking*, viewpoint article.

Newspaper Articles

1982 - 1999 Approximately 15 contributing articles at various times on subjects about trucking for The Rocky Mountain News, Denver Post, Indianapolis Star, and The Billings Gazette.

Audio / Visual & Multimedia Productions

2007 Presented in trucking pilot feature for cable television titled, "Long Haul Ladies."
 2007 Presented in trucking segment on Discovery Channel's television series titled, "Hazard Pay."
 2001 Technical advisor for truck driver videotape productions, Delmar Publishing.
 2000 Beta testing for TREAD-1: assisted in computer-base modules for training truck drivers.
 1995-1996 Advisory Board for VORTEC - assisted in multimedia CDI modules for training truck drivers.
 1975-1995 Freelance photography submission to COMSTOCK, stock photo agency.
 1993 Wrote script and narrator for five a (5) video series to train CONRAIL employees.
 1991 Narrator in production of nine (9) truck driver training videos, Career Publishing Company
 1972-1973 Directed and produced 16mm documentary motion pictures in Crested Butte, Colorado.
 Produced and directed 16mm promotional film for Western State College in Gunnison, Colorado and taught photography and cinematography for the college's continuing education programs.
 Created original music and recorded at studios in Denver, Pittsburgh, and Cleveland.

Expert Witness Testimony by Trial or Deposition — Last 4 years

<u>TESTIMONY</u>	<u>CASE</u>	<u>STATE</u>	<u>CASE NO.</u>
04/09	Dixie Baker, et ux., vs. Monroe Transportation, et al.	WI	07-CV-015308
03/09	Steven Handke vs. Allied Tube & Conduit, Inc.	IL	07 L 680
02/09	Andres Orihuela vs. Time Dispatch Services, Inc., et al.	CA	PC039829
01/09	Donna Diamond vs. Express Container, Inc., et al.	VA	CL06-5419
11/08	Groover vs. L & J Trucking	SC	C.A.: 7:08-cv-1811
09/08	Carol and Robert Taylor vs. Unit Drilling	OK	CJ-2006-05242
09/08	Blackford, et ux., and Greenwade, et ux. vs. USA Truck	OK	CJ-2007-571
08/08	Sanchez vs. Kenneth Hester, et al.	TX	226,774-C
08/08	Hentzen, et al., vs. Fordyce Concrete	KS	0716-CV10301
07/08	Plummer vs. Billy Sellers Transport	TX	07-61186-4
06/08	Lewis v. Smalley, et al.	FL	06-79-CA
06/08	BNSF Railway Company vs. LaFarge Southwest	NM	CIV-06-1076 MCA/LFG
06/08	Johnson vs. Trueline	NV	A523236
05/08	Grocery Haulers, Inc. vs. Roadway Express, Inc.	NJ	MID-L-6118-05
05/08	Timothy Thomas vs. Issac Garcia, Keith Zar Pools, Ltd.	TX	2007 -CI-07705
05/08	Word vs. V.K. Knowlton Construction and Utilities, Inc.	TX	2007-CI-14260
04/08	Davis v. DNH Enterprises et al.	PA	07-CV-0767 (JRS)
03/08	Lindner vs. Millis Transfer, Inc.	IL	06 C 5553
03/08	Willey vs. D&D Transport, et al.	NJ	MER-L-2484-04
02/08	Loretta Cope vs. Jared D. Moore, et al.	TX	94,699-D
01/08	Spence vs. Roberts	IL	05 L 5617

01/08	Reygers vs. CTI, Inc.	NV	A487212
11/07	Vanessa M. Threats vs. City of Detroit, DOT	MI	06-612058 NI
11/07	Pike vs. Cash	AK	3FA-06-1284 Civil
11/07	Jackobsen vs. Martini Ranch	MT	CV 06-165-BLG-CSO
10/07	Pablo Guerre v. Jack Cooper Transport	CA	GIC 847852
09/07	Mann vs. Crete Carrier Corporation and Alvin Wilkerson	FL	63-2006-CA-22
09/07	Alaubali et al., vs. Rite Aid Corporation	CA	C-06-5787-SBA
09/07	Myrda, et al., vs. Swift	IN	02 CV 123
09/07	Rich vs. Murray	AZ	CV2007-0430
08/07	Clara York vs. Dale Heese	SD	064130
07/07	Hobkin vs. B & B Transport	WY	07CV007B
07/07	Porter vs. Golden Gate Transit	CA	CGC 05-439395
07/07	Elizabeth Ortiz vs. Jose Rodriguez and A&A Transport, et al.	CA	148762
06/07	Smith vs. Dewy	KY	04-CI-00134
05/07	Dielle Vulaj vs. R.A.M. Express	MI	06-1751-NI
05/07	McGrath vs. A & A Ready Mixed Concrete	CA	BC 348814
04/07	Lisa Loy vs. Atlantic Express	MO	
03/07	Lester vs. Robertson	WY	CV-06-1
02/07	St Clair vs. Steve Cortez	CA	CV 050289
01/07	Peek vs. Young's Commercial Transfer, Inc., et al.	CA	CV 027928
01/07	Slankard vs. Brainard, et al	CA	GIC848775
01/07	Oakley vs. Bealls, Inc	FL	05-2003-CA-055026
10/06	Justice vs. Patch	OH	05CVC-01-652
09/06	Cash vs. Gully Transportation	MO	05-CV-815-MJR
07/06	Lanier vs. Saddle Creek Corporation	FL	GC05-363
04/06	Zuber vs. Cross-Sound Ferry	NJ	CV-04 4708
04/06	Baca vs. State of Arizona	AZ	CV2004-007200
04/06	Gutierrez et al vs. Robinson Grain Co., Inc., et al.	TX	92,086-A
03/06	Deborah A. Poage vs. Schneider National Carriers, Inc.	CO	4:04-cv-979
02/06	Ticich et al. vs. Pacific Coast Building Products, Inc	NV	A489881
11/05	Muio, et al. vs. Covenant Transport, et al.	AZ	CV2003-0370
11/05	Roosevelt vs. Consolidated Disposal	CA	VC 043328
11/05	Robertson vs. FSF Trucking, Inc.	ID	CV2005-001962*C
08/05	Thomas Robert Pedley vs. Sequa Corp., et al.	IL	02 L 12693
07/05	Deborah Chilton(Riviera), et al. vs. Swift Transportation, et al.	CA	FCS0022328
07/05	Gonzales vs. Bulk Carriers	NV	279.03089
05/05	Vincent Gherbaz vs. Kevin J. Nazar, et. al	NY	A1316LA
05/05	Ronald Alan Baptist, Irene Baptist vs. Thomas C. Robinson, JR	CA	01-04-CV-013045
05/05	Soria vs. Rodgers Trucking CO., Ricky Patrick Short	CA	HG04 166081
05/05	Patrick Davis vs. Maurice Ealey, and U.S.A.-Truck, Inc., et al.	IL	02 L 10183
03/05	Bhamra vs. Burlington Northern Santa Fe	CA	CV0119608
02/05	Lopez vs. Heim Trucking	NV	CV-N-03-369-HDM

Keynote Speaking Engagements

- 2008 Farmer's Insurance Commercial Claims, *"Aggravating Issues In Trucking Litigation: Current trends and countermeasures concerning institutional and driver negligence,"* San Francisco, California.
- 2008 Federation of Defense and Corporate Counsel (FDCC), "Top Issues Surrounding Trucking Litigation," Banff, Canada.
- 2006 Lorman Education Services, "Trucking Litigation and DOT Regulations Seminar," Charlotte, NC.
- 2003 Trucking Industry Defense Association, "Standard of Care for Truck Drivers," Denver, CO.
- 2002 Montana Contractor Association, "Construction and Off-Road Trucking," Helena, MT.
- 1998 Mid-America Truck show in Louisville, Kentucky, "Partners-In-Business" seminar for owner-operators sponsored by Volvo and Overdrive Magazine.
- 1996 U.S. Department of Transportation public hearing to determine implementation of minimum standards for training tractor-trailer drivers.
- 1993 American Trucking Association, Council of Safety Supervisors, Denver, Colorado.
- 1992 Randall Publishing / Overdrive Magazine Symposiums, Tuscaloosa, Alabama
- 1991 Overdrive Magazine Symposiums, Tuscaloosa, Alabama.
- 1989 International Truck Show Driver Training Forum, Los Angeles, CA.
- 1988 Interstate Carriers Conference Annual Convention, Las Vegas, NV.
- 1988 Interstate Carriers Conference, Council of Safety Supervisors, Finding & Training Truck Drivers, Atlanta, GA.
- 1988 Department of Transportation/Federal Highway Administration, national forum on simulator use in the trucking industry, Washington, D.C.
- 1988 Martin Labbe & Assoc., Equipment Mfg. Assoc. Industry Trends, Daytona Beach.
- 1988 American Trucking Associations, Council of Safety Supervisors Annual Convention, St. Louis, MO.
- 1987 National Association of Truck Driving Schools "Model Curriculum for Training Tractor-Trailer Drivers," Washington, D.C.
- 1987 Interstate Carriers Conference of the American Trucking Associations, "Minimum Standards for Training Tractor-Trailer Drivers," Washington, D.C.
- 1986 U.S. Department of Transportation public hearing regarding Model Curriculum for training tractor-trailer drivers.

Education

- 2007 - 2008 Northwestern University, Evanston, Illinois: Math & Physics, Accident Investigation 1 & 2, Vehicle Dynamics, Traffic Accident Reconstruction 1& 2, Heavy Vehicle Crash Reconstruction, Pedestrian Vehicle Traffic Collisions.
- 1997 International Correspondence School / Penn Foster, Scranton, Pennsylvania: Diesel Mechanics/Heavy Truck Maintenance.
- 1976 Tom P Haney Technical Center, Panama City, Florida: Mechanical Drafting.
- 1973 Northeastern Technical Institute, Fleetville, Pennsylvania: Tractor-Trailer driving.
- 1969-1971 University of Scranton, Scranton, Pennsylvania: expository writing.
- 1969 University of Southern Mississippi, Hattiesburg, Mississippi: radio -TV – film production.

- 1968 United Mine Workers and Operating Engineers Unions, Wilkes-Barre, PA, Heavy Equipment Operating and Truck Driving.
- 1964–1968 Manlius Military Academy, Manlius, New York: High School.

Licensing, Certifications, and Continuing Education

- Current (since 1968) Commercial Drivers License for tractor-trailer with endorsements for hazardous materials, tank truck, double & triple trailers, passenger carriage, and school bus – Certification for air brake inspection and repair, and Certification for operation of Longer Combination Vehicles (LCVs), and Pilot/Escort Driver Certification for Oversize and Super Loads of extreme weight & dimension.
- 2009 International Conference on Fatigue Management in Transportation Operations, USDOT, Boston, MA.
- 2009 Truck and Bus Safety (ANB70) Committee Meeting, Transportation Research Board, Washington, D.C.
- 2008 Modifying Driver Behavior through Training and Technology, Truckload Carrier Association
- 2008 Certified Crash Data Retrieval (CDR) Data Analyst, Bosh/Vetronix Course, Colorado Highway Patrol, Golden Colorado.
- 2008 Certified Crash Data Retrieval (CDR) Technician, Bosh/Vetronix Course, Colorado Highway Patrol, Golden Colorado.
- 2008 Integrated Vehicle-Based Safety Systems Initiative; FMCSA Office of Analysis, Research and Technology.
- 2008 Large Truck Crash Causation Study Combination-Unit and Single-Unit Truck Crash Statistics; FMCSA Office of Analysis, Research and Technology.
- 2008 Transportation Worker Identification Credential (TWIC): Certified by the U.S. Department of Homeland Security for unescorted access to secure areas of facilities and vessels regulated under the Maritime Transportation Security Act (MTSA) of 2002.
- 2008 Importer Security Filing (10+2) and Additional Carrier Requirements: Department of Homeland Security, A.N. Deringer Webinar.
- 2008 Naturalistic Driving Study Results: Impact of Sleep and Crash Countermeasures; FMCSA Office of Analysis, Research and Technology.
- 2008 Field testing of truck acceleration, tractor-trailer skidding, and trailer off-tracking; Bosch Automotive Proving Grounds, South Bend, Indiana.
- 2008 Motorcoach Fire & Safety Analysis; FMCSA Office of Analysis, Research and Technology.
- 2008 Modifying Driver Behavior Through Training and Technology; Truckload Carrier Association.
- 2007 Pilot/Escort Driver Certification for Oversize and Super Loads of extreme weight & dimension; Dallas, Texas by Utah Department of Transportation.
- 2007 Flagger Training Certification for Oversize Loads; Utah Department of Transportation.
- 2007 Collision Warning Systems Seminar; FMCSA Office of Analysis, Research and Technology.
- 2007 Lane Departure Warning Systems: on-board safety systems for commercial motor vehicles;, USDOT/FMCSA, Washington D.C.
- 2007 Highway Watch: National Safety & Security Program, administered by the American Trucking Associations (ATA) under a cooperative agreement with the U.S. Transportation Security Administration (TSA), Department of Homeland Security (DHS), Denver, CO.
- 2006 ATLA, Litigating Truck Cases–From Discovery To Trial, Las Vegas, NV.
- 2006 Accreditation Standards Workshop, Accrediting Commission of Career Schools and Colleges of Technology, Arlington, VA.
- 2006 ATA Litigation Center's Forum for Motor Carrier General Councils, Santa Fe, NM.

- 2006 Focus Four Hazards (Falls, Electrocutions, Struck-by's, and Caught-in's) AGC of America and OSHA, Billings, MT.
- 2006 Truck Rollover Recovery, Hanser's Towing & Recovery Network & Montana Motor Carrier Association, Billings, MT.
- 2006 DRI Trucking Law Conference, Chicago, IL.
- 2005 New Entrant Safety Assurance Program, Instructor Training, FMCSA.
- 2005 Advanced Accident Investigation Course, Training for the Safety Director, North American Transportation Management Institute (NATMI).
- 2005 American Bar Association / Tort and Insurance Practice Section, New Orleans, LA.
- 2005 Trucking Industry Defense Association Mini-Conference, Las Vegas, NV.
- 2004 LCV Driver-Instructor Certification for Classroom & Skills in accordance with FMCSA requirements.
- 2004 Trucking Industry Defense Association Annual Conference, Baltimore, MD.
- 2004 Accident Investigation course, Training for the Safety Director, North American Transportation Management Institute (NATMI).
- 2004 Managing Motor Fleet Safety Programs, (NATMI).
- 2003 Revised Hours of Service Regulations, USDOT/Montana Motor Carrier Association.
- 2003 Trucking Industry Defense Association Annual Conference, Denver, CO.
- 2003 USDOT Regulated Specimen Collection, Substance Abuse Management Inc. (SAMI).
- 2003 Driver/Vehicle Examination Procedures, Montana Highway Patrol.
- 2002 Air Brake Tech Service: Servicing Spring Brakes, Certificate of Completion, MGM Brakes.
- 2002 DOT Compliance Review, Certificate of Training, Safetrac.
- 2001 Accreditation Standards Workshop, Accrediting Commission of Career Schools and Colleges of Technology, Denver, CO.
- 1998 Certificate of Completion for Education-Based Training, Ellen Toothman and Associates.
- 1998 Certification of Safety Training, EXXON.
- 1998 Workforce Development training, Implementation of the Workforce Investment Act of 1998, Montana Department of Labor and Industry.
- 1998 Safe Dump Truck Operation Course, J.J. Keller & Associates.
- 1997 Mine Safety Certification, Peabody Coal Company.
- 1996 Crow Indian Language and Culture, Rocky Mountain College, Billings, Montana.
- 1996 Cargo Tanker Inspection, J.J. Keller & Associates.
- 1996 Diesel mechanics course, ICS Learning Systems.
- 1995 Air Brake Systems Training, AlliedSignal Inc./Bendix.
- 1994 Air Brake Training for U.S. Operations, J.J. Keller and Associates.
- 1994 General Hazardous Materials Inspection & Compliance Training, FHWA.
- 1994 Precertification training for Title IV financial assistance to students, U.S. Depart. of Ed..
- 1993 Certification, truck clutch rebuilding and repair, Eaton Corporation.
- 1992 University of Wyoming Writers Conference.
- 1992 Pilot license for single engine and high-performance retractable gear, Cessna Aviation.
- 1982 & 1992 Vocational Teachers Certification, Colorado State Board for Community Colleges and Occupational Education.
- 1991 Master Certified Instructor for conducting CDL Workshops: Career Publishing and the Highway Users Federation for Safety and Mobility.

- 1991 Certified Defensive Truck Driving Instructor Course: National Safety Council.
- 1990 Certified Instructor Course for Essential First Aid & CPR: American Heart Association, Deaconess Medical Center, Billings, Montana.
- 1990 Certification for Heavy Duty Truck Brake & Front Axle Training, Rockwell International.
- 1988 Vocational Teachers Certification, Commercial Driving School Instructor License, Commercial Driver Training School Section, Office of the Secretary of State of Illinois.
- 1988 Dispatcher Training Course, Interstate Carrier Conference and Selection Research, Inc.
- 1988 Driver/Dispatcher Relations, Safety Management Council, American Trucking Associations.
- 1987 Drive To Survive: Driver Perception Course, Safe Performance Associates.
- 1987 MEGASAFE: Student Driver Analysis Workshop, National Association of Truck Driving Schools and Resource Analysis LTD.
- 1987 Smith System Safe Driving Course, Greyhound Lines Inc.
- 1987 Motor Coach Driver Instructor Course, Greyhound Lines Inc.
- 1986 Coaching the Professional Truck Driver Course, FLT Learning Systems.
- 1985 CVSA Driver/Vehicle Examination Procedure Workshop, Colorado Highway Patrol.
- 1984 Air Brake Technician Workshop, Bendix.
- 1969–1972 Member of United Mine Workers Union, and Operating Engineers.

Special Awards & Recognition

- 2008 Values and Vision Medallion, Farmer's Insurance Commercial Claims.
- 2000 Team 2000 Award, Outstanding Congressional Outreach, Career College Association.
- 1999 Directors Commitment to Quality Training Award, Werner Enterprises.
- 1998 Governor Appreciation Certificate for service on Special Taskforce for the implementation of Workforce Development Act of 1998.
- 1997 National Achievement Award for contribution to career education and students, Career College Association.
- 1996 National Achievement Award, Distinguished Member, Career College Association.

Memberships

American Trucking Associations, Truckload Carrier Association, North American Transportation Management Institute (NATMI), Montana Motor Carrier Association, Montana Contractor Association, Wyoming Motor Carriers Association, Colorado Motor Carrier Association, American Truck Historical Society, Owner Operator Independent Driver Association (OOIDA), Moose Club, Knights of Columbus, Career College Association.

Personal Activities

Trucking research, technical mountain climbing, photography/film-making, and luthier arts.