

LEW GRILL
The LEGACY Corporation International
The Legacy Building
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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 an International commercial driver license and have taken required professional competency courses for operating CMVs in Europe under the European Union requirements of the Road Transport Agreement by the European Parliament and Council.

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 am currently an independent trucker with USDOT registration and operating authority. I 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, weather, and lighting conditions from the truck driver's point-of-view, comprising a special 4-year project to capture the essence of trucking for arts and sciences. 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 40 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 has frequently appeared 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 29 years' experience as a truck driving instructor, truck driving program director, and truck driving curricula designer. I am the founder of The SAGE Corporation, which operates truck driver training programs in more than thirty locations nationwide. I developed and designed truck driver training curriculum, provided consulting services for fleets, industry, and government, managed a fleet of tractor-trailers and 180 truck driving instructors, served as liaison to the U.S. DOT, and supervised special training programs under U.S. DOT contracts and government grants, including FMCSA's research demonstration project, "*Fostering a Safety Culture in Motor Carriers*," which focuses on evaluating the effectiveness of fostering development of a safety culture in new entrant motor carriers.

I founded the Atlantic Pacific Resource Group where I have developed and produced motor carrier management and truck driver training material, truck accident analysis and trucking litigation consulting, special truck driving assignments, transportation study & research projects. I conducted research development and provided recommendations for rule making on a special USDOT project to study its Hazardous Materials Safety Permit (HMSP) program for motor carriers in response to a Congressional mandate.¹ In March 2014, the Secretary of the U. S. Department of Transportation provided a report on this HMSP study to the Committee on Commerce, Science, and Transportation of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives.

I am involved in consulting on USDOT/FMCSA initiatives regarding FMCSA's Notice of Proposed Rule Making (NPRM) for mandatory training and testing of new entrant motor carriers, and mandatory training requirements for entry-level drivers prior to CDL testing. These are in support of the MAP-21/ P.L. 112-141 requirement signed into law by the President in July 2012 for FMCSA to issue regulations establishing minimum training standards for CDL entry-level driver training. I am also assisting MainWay Services as a team member on projects to provide research support to FMCSA's rulemaking and program evaluation activities to explore, clarify or resolve issues related to Commercial Motor Vehicle (CMV) driver, carrier, and vehicle safety concerns. I am also assisting in the FMCSA's required testing protocol and procedures to meet the federal rule for testing of Electronic Logging Devices (ELDs) by providing subject matter expertise on the user experience of working with ELD's, the information gathered for FMCSA, and provide my trucks for use as a real-time-test.

I am currently engaged in research and analysis on the impact of foreign driving cultures on CMV crashes in the United States, including CMV drivers exclusively practiced in European driving cultures that are inconsistent with United States driving norms, customs, practices, and laws.² The analysis includes the impact of the 2006 Road Transport Agreement by the European Parliament and Council on drivers migrating to CMV jobs in the USA.

¹ Section 33014 of the Moving Ahead for Progress in the 21st Century Act (MAP-21) requires the Secretary of the U. S. Department of Transportation to issue regulations establishing minimum training standards for CDL entry-level driver training. My European headquarters is in Varenna, Italy. This project includes European Union countries and non-EU countries of the former Soviet Bloc.

I have comprehensive experience in mining and construction industries relative to equipment operation and workplace procedures. My education, training and experience include 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 advanced accident reconstruction – utilizing human factors research, 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 AL, AK, AZ, CA, CO, CT, DE, FL, GA, ID, IL, IN, KS, KY, LA, MA, ME, MD, MI, MN, MO, MT, NC, NE, NJ, NM, NV, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY, a number of Canadian Provinces, and Guam.

Work Experience

- 1/14 – Current The Legacy Corporation International
Founder/CVO
Development of truck driver, transportation worker, and industrial training programs for individuals, fleets, industries, law firms, and governments worldwide. Warehousing services, international truck haulage.
- 3/90 – Current Atlantic Pacific Resource Group, Inc., / Lew Grill Specialized Services, Billings, Montana
Founder/CVO, Author, Publisher, A/V Producer, trucking consultant
Development and production of motor carrier management and truck driver training material, truck accident analysis and trucking litigation consulting,³ special truck driving assignments, transportation study & research projects. USDOT Registration and motor carrier operating authority under Lew Grill Specialized Services, Billings, Montana (USDOT 2151173 / MC 748014).
Working on special USDOT projects.
- 8/89 – 8/2012 SAGE Technical Services, Inc., Billings, Montana; and,
The SAGE Corporation, Camp Hill, Pennsylvania
Founder, Vice-President of the Board
Founded numerous truck driver-training facilities. 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. Supervise special training programs under USDDOT contracts and government grants.
- 1989 – 1990 Rocky Mountain College, Billings, Montana
Program Director
Responsible for creating, implementing, and managing a Motor Carrier Driver and Management Program for the College's Division of Continuing Education.

³ Trucking litigation consulting began in 1983.

- 1988 – 1989 Waggoners Trucking Company / Professional Driver Resource Center, Billings, Montana.
Founder of the Resource Center, Director of Truck Driver Training
Development, design and management of a truck driving program primarily to prepare drivers for LTL flatbed operations across international borders between the 48 contiguous states, Canada, and Alaska; and, secondarily to train entry-level truck drivers for various commercial motor vehicle occupations. Founded and managed state licensed truck driver training programs and proprietary truck driver training schools in Vandalia, Illinois; Casper, Wyoming; and, Billings, Montana.
- 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 Projects: Transportation Studies, Research, Truck Driving and Instructional Assignments

- 2017- Current Legacy International Corporation Transportation Field Testing & Analysis: time & motion, visibility investigations, braking characteristics, stopping distance performance, speed/gear correlation, confined space turning.

- 2015-Current Legacy International Corporation Assessment of Safety Technologies in Trucking: ELDs, tire pressure monitoring, remote truck and driver video monitoring, satellite-based tracking, mobile communications/telematics real-time performance alerts, roll-stability, lane departure warning, forward collision warning, gps mapping, CMV-to-CMV communications.
- 2014–Current Assist in supporting the development of the third-generation new entrant training curriculum, USDOT/FMCSA and Research in Advanced Performance Technology and Educational Readiness (RAPTER) at University of Central Florida (UCF), Orlando, Florida.
- 2014–2016 Assisting on USDOT project relating to ELD required testing protocol and procedures to meet the federal rule for Electronic Log Device testing. Providing subject matter expertise on the user experience of working with ELD's, the information gathered for FMCSA, and provide trucks for use as a real-time-test.
- 2012 Research Project: *Examining the Effectiveness of Entry Level Driver Training in improving CDL Driver Safety Performance*, USDOT/ FMCSA Research Division, Washington, D.C.
- 2012 Research Project: *Updating Model Curriculum for Motorcoach Driver Training*, USDOT/ FMCSA Research Division, Washington, D.C.
- 2005–2014 FMCSA research demonstration project, "*Fostering a Safety Culture in Motor Carriers*," which focuses on evaluating the effectiveness of fostering development of a safety culture in new entrant motor carriers.
- 2012– 2014 Special Study Project: *Hazardous Materials Special Permit (HMSP) research program* regarding policy review for FMCSA's report to Congress on the review's findings as required by *Moving Ahead for Progress in the 21st Century (MAP-21)*, USDOT/ FMCSA Research Division, Washington, D.C.
- 2013 Truck driving investigation: U-turn space requirements using a 5-axle tractor/53-foot trailer in Billings, Montana.
- 2011 Truck driving investigation: nighttime visibility factors on I-40 west of Kingman, Arizona.
- 2010 Truck driving investigation: Right-turn visibility factors with 5-axle tractor/53-foot trailer in Clearwater, Minnesota.
- 2010 Loading dock investigation relating to vertical height of dock and 53-foot trailer relative to sliding tandems, Carlisle, Pennsylvania.
- 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 Government, Education and Workforce Development

- 2016-present Board of Directors, Maritime Academy, Philadelphia, PA.
- Current Lifetime/Senior member, Owner Operator Independent Driver Association (OOIDA).
- 2012-2014 Captain, Association of Private Sector Colleges and Universities (APSCU).
- 2014-present Truck and Bus Technology Subcommittee of the Transportation Research Board of the National Academies.
- 2014-present Affiliate member of the Transportation Research Board of the National Academies (TRB).
- 2004-present Member of North American Transportation Management Institute (NATMI).
- 2003-present Member of Safety Committee for Montana Contractor's Association.

- 2001–2005 Reappointment by Montana Governor Judy Martz to State Workforce Investment Board and Governor’s Executive Committee.
- 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.
- 1999–2005 Chairman of Performance and Accountability Measures Committee and Funding Committee to the Montana State Workforce Investment Board.
- 1999–2001 Appointment by Montana Governor Marc Racicot to State Workforce Investment Board and Executive Committee.
- 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

- 2015 *Overview of Federal Motor Carrier Safety Administration Safety Training Research for New Entrant Motor Carriers*, sponsored by the U.S. Department of Transportation, Federal Motor Carrier Safety Administration, Report No.: FMCSA-RRR-13-015, July 2015, co-author.
- 2001 *Rand McNally Motor Carriers’ Road Atlas*, training content for special edition.
- 1998 *Partners In Business*, co-author 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, 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.
- 1992 *Practical Knowledge for Independent Contractors*, ISBN: 1-881912-02-7, Atlantic Pacific.
- 1992 *General Truckforms*, ISBN: 1-881912-03-5, Atlantic Pacific Publishing.
- 1988 *Bumper to Bumper*, ISBN: 0-9621687-0-X, authored 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.

- 2011 – Pres. *Independent Trucker Journal* – field editor – monthly feature 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

- 2012 - Current Production of seven (7)-truck driver training videos relating to CDL (currently in production).
- 2007 - Current Video recording of thousands of miles of various terrain, visibility, and weather conditions from the truck driver's point-of-view for stock videography.
- 2010 Video production: Safety aspects of a MTCV converter dolly.
- 2010 Produced & directed documentary relating to "*Fostering a Safety Culture in Motor Carrier Operations*," under a cooperative agreement research project for the Federal Motor Carrier Safety Administration.
- 2010 Produced & directed load securing and operational techniques video relating to extra-legal and supersized loads.
- 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>
01/19	Mirushe Gashi vs., Cryogenic Transportation, LLC, et al.	CT	HHD-CV15-6061747-S
01/19	Plascencia v. Newcomb, et al.	CA	56-2015-00475756-CU-PO-VTA
01/19	Eidem, et ux., vs. Stephen Arata, et al.	MO	1731-CC02331
01/19	Coilton v Cemax Management Inc., et al	CA	CIVDS1708364
01/19	Tew, et ux., vs. Royaty Trucking, Inc., et al 17-29521-NI	MI	17-29521-NI
11/18	Fernando Huerta, et al. vs 2nd Chance Trucking, et al.	UT	170904115
11/18	Sartin and Ryker vs. McPike, et al.	WA	16-2-10601-9
10/18	Huey Brock vs. Richard Price and KS Industries, LLC	ND	31-2015-CV-00106
10/18	Diallo vs. AAAfordable Transportation, BCBSC, et al.	MD	24-C-17-005079
10/18	Holen vs. Josic, Blue Land Transportation, et al.	WA	2:17-CV-01147-JLR
10/18	Griffin vs. KTN Logistics Inc., et al.	TX	DC-17-01905
10/18	Stallcup vs. Chan and Grandstar	TX	17-0563-CV-A
10/18	Campbell vs. C&M Trucking	KY	13-CI-00371
08/18	Navorro and Valentin vs. Fred Hamilton Transportation Serv.	CA	5:16-cv-01856-CAS-SP
08/18	Weir vs. David Coning, et al.	IN	84D06-1701-CT-000154
07/18	Escoto-Castro vs. IA Select Farms	IA	LACV100930
07/18	Gideons vs. Decker	CO	17-cv000518-WYD-STV
06/18	Willie Gillispie vs. Greatwide-Dallas Mavis	TX	3:17-CV-1620
06/12	Martin A. Kolinar vs. Federal Express Corporation, et al.	FL	312014CA1208
06/18	Harper, et ux., vs. Lamar Beckham, et al.	FL	16-2014-CA-006933-XXXX-MA
06/18	Bragg, et ux., vs. NIKA, et al.	WI	3:15-cv-50289
06/18	Daniel Wells, et ux., vs. Andres Fernandez, et al.	FL	312016CA000095
05/18	Crouch v. Angelov et al.	NM	D-101-cv-2016-02933
05/18	Johnson, et ux., vs. Selland Auto Transport, Inc., et al.	CA	CIVDS1511693
04/18	Watson Vs. Anandsir Transport, LTD	ID	CV-2016-407
04/18	Mirushe Gashi vs., Cryogenic Transportation, LLC, et al.	CT	HHD-CV15-6061747-S
04/18	Creagan vs. Wal-Mart Stores, Inc.	IL	3:16-cv-02788
03/18	Alzoubi vs. Madjer Trucking Inc.	IL	2015 L 0011687
03/18	Brito vs. Quirch Foods Co., And Marco T Reyes	FL	17-007199 CA 22
02/18	Wagner vs. Brewer and Brewer	OR	16CV37586
01/18	Duquette vs. Robert Estabanez	FL	15 CA 001354 AX
01/18	Jordan vs. Moran Transportation, et al.	IL	15 L 005990
12/17	Reed vs, Ferrara Pan Candy	IL	14 L 6449
11/17	Massye vs. UPS	NJ	BER-L-6408-15
11/17	Engleman v. Martin Rea Hopkinsville, LLC.	KY	16-CI-00674
11/17	Mars vs. Western Dairy	MO	15PH-CV01384
10/17	Plascencia v. Newcomb, et al.	CA	56-2015-00475756-CU-PO-VTA
10/17	Padilla vs. Waste Management Collection, et al.	CA	31-2075-00 035207-CU-PA-CTL
09/29	Davidson, et ux., vs. DATS Trucking Inc	UT	160901698
09/17	Michael Bobrowski vs. Loveland Ready Mix Concrete Inc., et al	CO	2016CV030520

07/17	Smith vs. BNSF Railway	NM	D-1314-CV2015-00606
07/17	Hart vs. GCT, et al.	NJ	2:15-cv-07680-SDW-LDW
06/17	Sharp, et ux., vs. 68 Transport, LLLC, et al.	OK	17-CV-78-RAW
06/17	Brandon Gardner, et al. v. Texas Disposal Systems, Inc., et al.	TX	D-1-GN-16-003247
06/17	Wilson vs. GTL Truck Lines, Inc.	OH	2014 CVC 1003
06/17	CR England vs. Swift Transportation	CA	CIVDS1501182
05/17	Estate of Jose Francisco Melo vs C and R Trucking, et al.	CA	RG15758445
05/17	Kammerer, et ux., vs. Archer Logistics LLC	IL	2013 L 4777
05/17	Washington State DOT vs. Mullen Trucking, et al.	WA	15-2-00163-1
05/17	Kovalchuk v. System Transport	WA	12-2-04664-0
05/17	Obregon v. IMT	IA	LACV069626
04/17	Lopez v. Sanchez, et al.	TX	C-3497-14-J
04/17	Deborah Moore v. Eduardo Dominguez	GA	2041-V-179JS
04/17	Nunez v. Searless Valley Minerals	CA	CIVDS 1314851
03/17	Brown vs. Celadon Trucking Services	NC	3:16-CV-220-RJC-DCK
03/17	Basara vs. Ecklund Logistics	NE	8:16-CV-83
03/17	Ford vs. Green, et al.	IN	22DO1-1507-CT-001008
03/17	Franco et ux., vs. Hilltop Dairy	FL	2:15-CV-1347
03/17	Perez vs. Smith & Son Tire	CA	s-1500-CV-280904-SPC
02/17	Lidke, et ux., and Hosak, et ux., vs. Aggressive Transport, et al.	WA	13-2-02295-7
02/17	Wojtaszek vs. Albertico Plata, Transcor, UPS, et al.	IL	2013 L 008061
01/17	Kozak vs. FedEx Freight, Inc., et al.	WY	16-CV-13-S
12/16	Fitzgerald, et ux., vs. Turnaround Logistics Inc., et al.	TX	2015-07258
12/16	Maldonado vs. Theophilus Clark, et al.	FL	2013-1308-CA
11/16	Union Pacific Railroad Company vs. Taylor Truck Line, et al.	LA	3:15-CV-00074-RGJ-KLH
11/16	Sarwacinski vs. Randall Wellman, et al.	IN	45D11-1402-CT-00021
10/16	Deason vs. Bush Hog LLC, et al.	TX	48502
10/16	Hambach, et ux., vs. Dustin M. Iverson	IL	3:15-cv-00709-JPG-PMG
10/16	Jose Bauta vs. Greyhound Lines Inc., et al.	NY	14-3725(FB)(RER)
09/16	Nott vs. Mollett, et al.	WV	15-C-107
09/16	Booker/Green vs. Simon Zarate	CA	MCC 1301671
09/16	Nash vs. APAC-Missouri, Inc., Golden Valley Transportation, Inc., Gary Moberly, Deceased, and Missouri Highways and Transportation Commission	KS	14CA-CC00113
08/16	Kimberly Gordon, et al, vs Lewis Acasta, Jr. and Nitro Water Services	TX	15-05-U4409-IDM
08/16	Randall vs. Rick's Tank Truck Service, LLC	OK	CJ-2014-5550
07/16	Hart vs. Indiana Transport	UT	2: P15-cv-58
07/16	Jeffrey Scott Heffner, Jackson's Food Stores, et al.	NV	A-13-681021-C
07/16	Zisette, et ux., vs. Starline Tours of Hollywood, et al.	CA	BC569928
07/16	Jeffrey Day, vs. APL Logistics, et al.	GA	12A44740-3
07/16	Mooney, et ux., vs. Southerland Transport, et al	MS	2:14-cv-00129-KS-MTP
06/16	Michael Husting vs Republic Services, Inc.	AZ	CV2014-091169

06/16	Joel Baker, et al., vs. Martin Marietta Materials, Inc., et al.	MO	1116-CV19877
06/16	Benefield, et ux., vs. Estate of Donald Elliot Lockhart, et al.	MS	1:15-cv-00190-HSO-JCQ
06/16	Hawkins, State Farm Mutual Automobile Insurance vs. Sutton Transport, Inc., et al.	WI	14-CV-419
05/16	Gwenn Elena Hales, et al. vs. James L. Andrus, et al.	UT	140400513
05/16	Klyce vs. Spirit Tours, Inc.	IL	13 L 2499
05/16	Hinojosa, et ux., vs. Amazon Trucking & Distributions, Inc., et al.	CA	S-1500-CV-281393 DRL
05/16	Pam Putman, et al. v. Skinner Harvesting, LLC, et al.	KS	2015 CV 000705-TC
05/16	Albert Cyr, et al vs. Gary weber, et al	CT	HHB CV 14 6023538 S
04/16	Farmers State Bank & Trust vs. Darryl Petty	MO	2014-L-9
03/16	Carty, et ux., vs. Sheepstra Trucking	WY	15-CV-65-KHR
03/16	Wieldult v. Nu Way Repair Co.	MO	1422-CC0088
02/16	Hernandez v. Zborobsai	CA	37-2014-00037266-CU-PA-NC
02/16	Myers/Boyd v. New Prime Inc.	WV	15-C-389
02/16	Freeman vs. Kalisiak	IL	14-L-169
02/16	Gooden vs. FedEx	WY	15 CV 45 & 15 CV 50
01/16	Consolidated Container vs. National Freight	FL	01-14-0001-8757
01/16	Sanko vs. Alexander Industries	IL	12 L 68
01/16	Leon, et ux., vs. FedEx Ground Package System, Inc	NM	1:13-CV-01005-JB-SCY
01/16	Gunderson vs. Howard Trucking	WY	CV-14-181
12/15	Consolidated Container Comoany vs. National Freight,	FL	01-14-0001-8757
11/15	April Leslie et al vs. Lancer Insurance Company et al	WI	13-CV-170
11/15	Cuellar vs. Brian Wilson Trucking, et al.	ID	CV-PI-2014-22151
11/15	Salyards vs. FedEx Ground, et al.	CO	2013-cv-30774
11/15	James Condon vs. R. J. Noble Company, Inc.	CA	30-2014-00749233-CU-PA-CJC
10/15	Estrada vs. Vasily Bukaty and ROTEX Corporation	WY	14-CV02420R
10/15	Crowder vs. John Christner Trucking, et al.	CA	S-1500-CV-281632
09/15	Morgan vs. Doss and American Wind Transport Group, et al.	OK	15-cv-136-HE
09/15	Ricardo Banuelos vs. J&L Services, Inc	IL	13 L 9564
09/15	Greene vs. FedEx Freight	CO	2015CV30111
09/15	Gonzalez vs. Timothy Welcome and K-Line Express, Inc.	TX	DC-14-02221
09/15	Espinoza vs Southeast Milk, Inc.	GA	2013-CV-217(RS)
09/15	Liang and Xiao vs. Vo, et al.	CA	RG13700531
08/15	Jackson vs. Nu-Way	IL	11L4803
08/15	Castillo vs. Forward Air	NV	2:12-cv-00569-JCM-GWF
08/15	Abdikadir K. Mohamed, v. Hartt Transportation Systems	ME	CV-13-62
07/15	Cross vs. PGT Industries, INC.	FL	2014-CA-000258AX MA
07/15	Pedraza/Vosinet vs. Foodliner, Inc., et al.	GA	14EV000483C/2014CV00796D
07/15	William Sheldrick, et ux., vs. A.C. Hathorne, et al.	VT	238-10-13 Ancv
07/15	David Arentz and Catherine Hunt vs. Mills Concrete, LLC	WY	16839
07/15	Ada Fraley vs. Dutch Maid Logistics, Inc., et al.	OH	13CV29952
06/15	Suzanne Masuzawa vs. Tucson Transport, Inc., et al.,	CA	BC532125
05/15	Karen Benvenisti et ux., vs. MAC Transport, et al.	CA	CIVDS1310861

05/15	Maggie Woolard vs. Michael Banister, UPS Ground Freight	GA	12A45112-3
04/15	Lauren Mussard vs. Timothy Wayne Aldrich, et al.	MT	DV-13-13725

Keynote Speaking Engagements & Appearances

- 2019 Florida Justice Association, *"Broker Liability from Procurement to Payment,"* Orlando, Florida.
- 2018 TV show guest appearance, trucking commentary on Fox News regarding *Global Truck Manufacturer Accused of Ignoring Brake Failures.*
- 2018 360 Institute, *"Broker Liability from Procurement to Payment,"* Las Vegas, Nevada.
- 2018 Primerus Defense Institute, *"Broker Liability from Procurement to Payment,"* Las Vegas, Nevada.
- 2018 Maritime Academy of Philadelphia, *"Interaction of Rail and Highway Transportation as an intermodal function with maritime operations,"* Philadelphia, Pennsylvania.
- 2017 APITLA, *"Safety Practices & Procedures in the Interstate Trucking Industry,"* Tampa, Florida.
- 2017 Maritime Academy of Philadelphia, *"Interaction of Rail and Highway Transportation as an intermodal function with maritime operations,"* Philadelphia, Pennsylvania.
- 2017 360 Institute, *"Using the Federal Motor Carrier Safety Regulations,"* Dallas, Texas.
- 2017 Primerus Defense Institute, *"Case Studies: Bad Weather Accidents,"* San Antonio, Texas.
- 2017 Whitewood Transportation Convention, *"Accident Preventability, Fault, & Negligence,"* Billings, Montana.
- 2016 Maritime Academy of Philadelphia, *"Interaction of Rail and Highway Transportation as an intermodal function with maritime operations,"* Philadelphia, Pennsylvania.
- 2015 360 Institute, co-presentation with Carmella Campanian of The Legacy Corporation - *"Role of Motor Carriers in Hiring, Qualifying, Supervision and Retaining Drivers,"* and, *"Seeing the Case from the Driver's Seat,"* Las Vegas, Nevada.
- 2015 Georgia Bar Association, *"Five primary factors relating to causation of CMV accidents,"* Atlanta, Georgia.
- 2014 TV shows guest appearances, trucking commentaries relating to the Tracy Morgan Accident, on Entertainment Tonight, CNN, Sky News, CBS, Alive America.
- 2014 New York Daily News, commentaries on Tracy Morgan New Jersey Turnpike crash, syndicated news worldwide reports.
- 2014 U.S. Department of Transportation, *Fostering Adoption of a Safety Culture by New Entrant Motor Carriers*, Final Briefing on project completion to the USDOT/FMCSA, Washington, D.C.
- 2013 Ohio Association of Justice Winter Convention, *Choices, Rules, and Responsibility: Expert Testimony for Conservative Jurors*, Cleveland, Ohio.
- 2013 360 Advocacy Institute, *The Professional Truck Driver: Right Turns, Left Turns, U-Turns, Lane Changes, Parking and Backing Up*, Las Vegas, Nevada.
- 2013 National Conference of State Legislators, The Alliance for Uniform Hazmat Transportation Procedures, *Update on policy review for FMCSA's HMSP Report to Congress*, Denver, CO.
- 2013 2013 American Trucking Associations (ATA) Leadership Conference, Hazardous Materials Policy Committee, *Update on policy review for FMCSA's HMSP Report to Congress*, Palm Desert, CA.
- 2013 U.S. Department of Transportation opening meeting of *Hazardous Materials Special Permit (HMSP) research program* regarding policy review for FMCSA's report to Congress on the review's findings as required by *Moving Ahead for Progress in the 21st Century (MAP-21)*, USDOT/ FMCSA, Washington, D.C.
- 2011 Radio show guest appearance, UTC Radio, Houston, Texas.
- 2011 Farmers Insurance Commercial Claims, *"The Standard of Care of Truck Drivers and the Motor Carriers Who Employ Them,"* Scottsdale, Arizona.
- 2011 360 Institute, *"Trucking Litigation Exposed,"* New Orleans, Louisiana.

- 2011 Whitewood Transportation Convention, *"CSA and the Independent Contractor,"* Billings, Montana.
- 2010 Georgia Bar Association, *"What truck drivers need to know to avoid accidents,"* Atlanta, Georgia.
- 2009 Northwest Research and Education Institute in cooperation with St. Vincent Healthcare Sleep Center, Regional Sleep Seminar, *"Truck Drivers, Sleep Disorders and Resulting Crashes,"* Billings, Montana.
- 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, *"Owner-Operator / Independent Trucker"* Tuscaloosa, Alabama.
- 1989 International Truck Show Driver Training Forum, *"Minimum Standards for Training Tractor Trailer Drivers,"* Los Angeles, CA.
- 1988 Interstate Carriers Conference Annual Convention, Las Vegas, NV.
- 1988 Interstate Carriers Conference, Council of Safety Supervisors, *"Finding & Training Truck Drivers Today and Tomorrow,"* 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, *"Minimum Standards for Training Tractor Trailer Drivers,"* 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 the *"Model Curriculum for training tractor-trailer drivers,"* Washington, D.C.

Education

- 2011 Northwestern University, Evanston, Illinois: Advanced Crash Reconstruction – Utilizing Human Factors Research.
- 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

- 2017 Telehandler Certification Course, Billings, Montana.
- 2017 Aerial Man Lift Certification Course, Billings, Montana.
- 2017 Forklift Certification Course, Billings, Montana.
- 2016 Crane Hoist and Rigging Certification Course, Billings, Montana.
- 2016 Annual Meeting, Transportation Research Board (TRB) of the National Academies, Washington, D.C.
- 2015 Pilot/Escort Driver & Flagging Certification for Oversize and Super Loads of extreme weight & dimension, Gulf Coast College, Panama City, Florida.
- 2015 Analysis, Research, and Technology Forum, by invitation from FMCSA, Washington, DC.
- 2015 Truck and Bus Safety Subcommittee Meeting, Transportation Research Board of the National Academies (TRB), Washington, D.C.
- 2014 Loading & Load Security, Driver Certificate of Professional Competency (CPC) required training, Sibbald Training, Blackwell, Scotland.
- 2014 Tachographs & Vehicle Checks, Driver Certificate of Professional Competency (CPC) required training, Sibbald Training, Blackwell, Scotland.
- 2014 Route Planning & Fuel Efficient Driving, Driver Certificate of Professional Competency (CPC) required training, Sibbald Training, Blackwell, Scotland.
- 2014 Driving Hours & Highway Code for Great Britain and European Union, Driver Certificate of Professional Competency (CPC) required training, Sibbald Training, Blackwell, Scotland.
- 2014 USDOT/FMCSA Analysis, Research, and Technology Forum: Motorcoach Safety Initiative, Moving Ahead for Progress in the 21st Century Act (MAP-21), Compliance-Safety-Accountability (CSA), Policy and Research, North American Fatigue Management Program, Overview of the FMCSA Data Quality Program, National Survey of Long-Haul Truck Driver Health and Injury, Vehicle Safety Innovation, Future Technology Initiatives.
- Current International commercial drivers license and required professional competency courses for operating CMVs in Europe under the European Union requirements of the Road Transport Agreement by the European Parliament and Council.
- 2014 Annual Meeting, Transportation Research Board (TRB) of the National Academies, Washington, D.C.
- 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.
- 2013 Annual Meeting, Transportation Research Board (TRB) of the National Academies, Washington, D.C.
- 2013 Truck and Bus Safety Committee Meetings, National Academies Transportation Research Board (TRB), Washington, D.C.
- 2012 Pilot/Escort Driver Certification for Oversize and Super Loads of extreme weight & dimension; Washington Certification, National Pilot Car Safety Institute.

- 2012 How Juries View Truck Accidents After Joint and Several (Pennsylvania Bar Institute).
- 2012 Annual Rocky Mountain Regional Safety Symposium, Helena, Montana.
- 2012 USDOT / Federal Motor Carrier Safety Administration Safety Audit on Atlantic Pacific Resource Group d/b/a Lew Grill Specialized Services.
- 2012 Transportation Worker Identification Credential (TWIC): Security clearance recertification 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.
- 2012 National Academies Transportation Research Board (TRB), Washington, D.C.
- 2011 USDOT/ FMCSA Supervisor Training for Controlled Substance & Alcohol Reasonable Suspicion Testing.
- 2011 USDOT Motor Carrier Registration and Operating Authority granted for Lew Grill Specialized Services.
- 2011 Truck and Bus Safety Committee Meeting, National Academies Transportation Research Board (TRB), Washington, D.C.
- 2009 Weather and Commercial Motor Vehicle Safety, FMCSA.
- 2009 Avid Media Composer Editing Systems, Cambridge, MA.
- 2009 International Conference on Fatigue Management in Transportation Operations, USDOT Human Factors Committee, Boston, MA.
- 2009 Truck and Bus Safety (ANB70) Committee Meeting, National Academies Transportation Research Board (TRB), 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 & Vocational Teachers Certification, Colorado State Board for Community Colleges and
1992 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: 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

Transportation Research Board for the National Academies (affiliate member), 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 (lifetime member), Knights of Columbus, Association of Private Sector Colleges and Universities (Captain), German Shepherd Dog Club of America, United Schutzhund Clubs of America.

Languages

English, Italian, Latin.

Personal Activities

Trucking research, technical mountain climbing, surfing, skiing, GSD agility/tracking/obedience training, photography/film-making, and luthier arts.