

COMMERCIAL VEHICLE SAFETY

SUMMIT

May 25-26, 2021 • Denver, CO

NDSU UPPER GREAT PLAINS
TRANSPORTATION INSTITUTE

**IMPROVING COMMERCIAL VEHICLE SAFETY
AND DATA QUALITY THROUGH
BEST PRACTICES AND PARTNERSHIPS**

The North Dakota State University (NDSU), Upper Great Plains Transportation Institute (UGPTI)
is pleased to host the second Western Commercial Vehicle Safety Summit

Co-hosted with the Colorado State Patrol

<https://www.ugpti.org/events/safetysummit2021/>

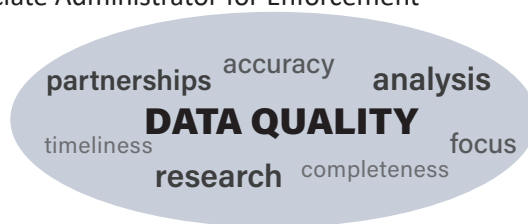
Funding provided through a cooperative agreement with the Federal Motor Carrier Safety Administration

AGENDA

All sessions are in the Grand Ballroom at the Sheraton Denver Downtown Hotel

Tuesday, May 25, 2021 (all times are in Mountain Time)

8:00–8:30 AM	Registration – coffee and networking
8:30–10:00 AM	Welcoming Remarks and Opening Session • Colorado State Patrol Color Guard • Master of Ceremonies: Brenda Lantz, UGPTI Associate Director • Welcome to Colorado: Colonel Matthew Packard, Chief, Colorado State Patrol • Introduction: Scott Hernandez, FMCSA WSC Regional Field Administrator • Keynote Speaker: Meera Joshi, FMCSA Deputy Administrator
10:00–10:15 AM	Break
10:15 AM–12:00 PM	PLENARY SESSION – Emerging Trends, Issues, and Challenges Impact and Lessons Learned from COVID-19 <i>Federal Perspective</i> • Nancy Jackson, Trial Attorney, FMCSA Western Service Center • Joe DeLorenzo, FMCSA Acting Associate Administrator, Office of Enforcement • Scott Hernandez, FMCSA WSC Regional Field Administrator <i>State Perspective</i> • Lt. Wade Kimble, Texas Highway Patrol, Commercial Vehicle Enforcement <i>Industry Perspective</i> • Dan Murray, Senior Vice President, American Transportation Research Institute • Andrea Sequin, Director of Regulatory Services, Schneider National Update on FMCSA Rulemakings and Programs • Joe DeLorenzo, FMCSA Acting Associate Administrator for Enforcement Q & A Discussion
12:00–1:15 PM	Lunch • Luncheon Speaker – Scott Valentine Data Quality Program Manager FMCSA Analysis Division
1:15–2:45 PM	PLENARY SESSION – Best Practices – Innovative Processes • Utilizing Data for Directed Enforcement and Accountability in Arizona ♦ Maj. Warren Simpson, Arizona Highway Patrol, Special Enforcement Bureau ♦ Capt. Ed Sharpensteen, Arizona Highway Patrol, Commercial Vehicle Enforcement North • Reducing Accidents Through Technology ♦ Lt. Wade Kimble, Texas Highway Patrol, Commercial Vehicle Enforcement • Process Improvements to Enhance Conviction Reporting in North Dakota ♦ Brad Schaffer, Driver's License Division Director, North Dakota Department of Transportation • Using Real-Time CMV Data to Alert Drivers while Mountain Driving in Colorado ♦ Craig Hurst, Manager, Colorado Department of Transportation Freight Office
2:45–3:00 PM	Break



3:00–5:00 PM

PLENARY SESSION: Resources and Tools

- Data Quality Efforts and the Use of FMCSA's A&I System
 - ♦ Holly Skaar, Senior Research Analyst, Idaho State Police Commercial Vehicle Safety Section
- Assessment of the CDL Disqualification Process
 - ♦ Dave Madsen, Principal Technical Advisor, US DOT Volpe Center
- The Importance of Judicial Outreach in the CMV/CDL World
 - ♦ Hon. Gary Graber, Town Justice, Town of Darien and Past President New York State Magistrates Association
- Best Practices for Citations and Crash Reporting
 - ♦ Chris Turner, Director of Enforcement Data and Judicial Outreach Commercial Vehicle Safety Alliance

5:00–7:00 PM

NETWORKING RECEPTION – South Convention Lobby

Wednesday, May 26, 2021 (all times are in Mountain Time)

7:30–8:00 AM

Coffee and networking

8:00–12:00 PM

PLENARY SESSION: Research and Partnerships

- Large Truck Crash Reporting and MMUCC 5th Edition
 - ♦ Amber Trueblood, Associate Research Scientist, Texas A&M Transportation Institute
- Improving CMV Safety on Rural Roads in Texas
 - ♦ Eva Shipp, Research Scientist, Texas A&M Transportation Institute
- Utah Transportation and Public Safety - Crash Data Initiative to Unify Crash Records and Improve Integration and Sharing
 - ♦ Carrie Silcox, Division Director, Utah Department of Public Safety, Highway Safety Office
 - ♦ Juan Medina, Research Assistant Professor, University of Utah
 - ♦ Robert Miles, Director of Traffic and Safety, Utah Department of Transportation

– Break –

- A Comparison of Reported Risky Driving Behavior by Drivers with and Without a CDL
 - ♦ Nic Ward, Director, Center for Health and Safety Culture, Montana State University
 - ♦ Jubaer Ahmed, Graduate Research Assistant, Center for Health and Safety Culture, Montana State University
- Assessing Truck Parking Needs Using Electronic Logging Device (ELD) Data
 - ♦ Jolanda Prozzi, Senior Research Scientist, Texas A&M Transportation Institute
- Connected Vehicle Training Framework and Lessons Learned to Improve Safety of Highway Patrol Troopers
 - ♦ Sherif Gaweesh, Postdoctoral Research Associate, University of Wyoming

– Break –

- Truck Platooning Pilot Deployment on the I-10 Corridor
 - ♦ Xiao-Yun Lu, Research Engineer, California Partners for Advanced Transportation Technology
- Measures of Freight Network Resiliency During the COVID-19 Pandemic: Survey Results and Findings
 - ♦ Sal Hernandez, Associate Professor, Oregon State University
- Large Truck Crash Causal Factors Study
 - ♦ Bill Bannister, Chief, FMCSA Analysis Division

12:00–1:15 PM

Lunch

- Luncheon Speaker – Tom Keane, FMCSA Associate Administrator
Office of Research and Registration
 - ♦ FMCSA Research Priorities, Grant Funding, and Partnership Opportunities

1:15–2:45 PM

PLENARY SESSION: Roundtable Discussion of State Issues

- Challenges with Hemp Transportation
 - ♦ Led by Capt. John Hahn, Commander, Hazardous Materials Section, Colorado State Patrol
- Legislative Changes and Other Issues Related to the Legalization of Marijuana
 - ♦ Led by Lt. Don Plowman, Commercial Enforcement MCSAP Commander Nevada DPS-Highway Patrol
- Issues in Oilfield Areas with CMV-Related Crashes
 - ♦ Led by Lt. Dave Wolf, Regional Commander; and Lt. Adam Dvorak, Assistant Operations Commander, Motor Carrier Operations North Dakota Highway Patrol
- Mountain Driving Crashes and Outreach-Education Efforts
 - ♦ Led by Capt. Leonard Dittman, Motor Carrier Safety, Colorado State Patrol
- Open discussion of issues from individual states and sharing of possible solutions

2:45–3:00 PM

Break

3:00–5:00 PM

Q&A and Open Mic Discussion facilitated by Scott Hernandez

- Each table/attendee to discuss and share their main takeaway from this Summit.
- Next Steps and Closing Comments

Connect on Social Media during this Summit:

Wi-Fi Network: Marriott Bonvoy Conference — Password: cvs2021

Tag your public posts with #WSCSummit2021

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SPEAKER BIOS



Brenda Lantz

Associate Director
Upper Great Plains Transportation Institute

Brenda has been a researcher at the Upper Great Plains Transportation Institute since 1990, first as a graduate student and professionally since 1994. She specializes in the areas of intelligent transportation systems for commercial vehicle operations, business logistics and commercial vehicle safety - subjects on which she has authored and presented numerous articles.



Colonel Matthew C. Packard

Chief
Colorado State Patrol

Colonel Matthew C. Packard was appointed as the ninth Chief of the Colorado State Patrol in December 2017 by then-Colorado Governor John Hickenlooper.

Colonel Packard began his career with the Colorado State Patrol in 2000. Over the course of his 25-year career, he has served in and led a wide range of specialized and executive functions, including accident reconstruction, homeland security, hazardous materials, criminal investigations, executive security, communications, training academy, media relations, and budget management. His diverse experience across these critical areas has provided him with a broad perspective on both the operational and strategic priorities of the agency.

Colonel Packard has been an active member of the International Association of Chiefs of Police (IACP) since 2012. In 2019, he was appointed to the IACP State and Provincial Division (S&P) Board of Directors.

Colonel Packard is a graduate of Northwestern University's Center for Public Safety School of Police Staff and Command (Session #357) and the FBI's National Executive Institute (Session #43). He holds a bachelor's degree in accounting from the University of Northern Colorado.



Scott Hernandez

WSC Regional Field Administrator
Federal Motor Carrier Safety Administration

Scott Hernandez is the Regional Field Administrator for the West. Scott served over 30 years with Colorado State Patrol, working his way up the ranks before retiring as Colonel. He began his career as a Commercial Vehicle Safety Alliance (CVSA)-certified inspector and size and weight officer assigned to the Colorado Port of Entry. Scott served as a State Trooper for many years before being promoted to Sergeant, Captain and Major assigned to the Motor Carrier Safety Section.

Throughout his distinguished career, Scott has lent his expertise to FMCSA on multiple occasions. He has served on the Agency's Motor Carrier Safety Advisory Committee (MCSAC), including leading the Committee as its Chairman. He has provided outstanding contributions to many FMCSA activities, ranging from the very earliest collaboration and planning resulting in today's Compliance, Safety, Accountability (CSA) program, to the efficient management and oversight of Colorado's Motor Carrier Safety Assistance Program (MCSAP) and High Priority (HP) grants.

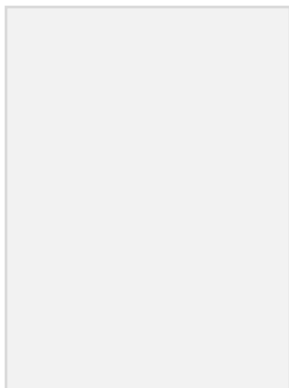
A longtime Colorado member of CVSA, Scott has also served on special task force work groups for the American Association of Motor Vehicle Administrators (AAMVA). Scott is a graduate of the FBI National Academy, the FBI Academy Leadership Institute and the Northwestern Police Staff and Command School.



Meera Joshi

Deputy Administrator
Federal Motor Carrier Safety Administration

Meera Joshi serves as the Deputy Administrator of the Federal Motor Carrier Safety Administration. Most recently Joshi served as General Manager of the New York office of Sam Schwartz Transportation Consultants and visiting scholar at NYU's Rudin Center for Transportation policy. Previously, Joshi served as chief regulator of New York City's for hire vehicle industry. Under her leadership, New York City mandated the reporting of granular trip data from large app operators, which informed landmark data-driven safety reforms, enforceable pay standards for drivers and meaningful access to service for the disabled. Joshi was also an executive manager in city agencies charged with oversight of the New York City Police Department and Department of Corrections.



Nancy Jackson

Trial Attorney
FMCSA Western Service Center

Nancy Jackson is a senior attorney with the Federal Motor Carrier Safety Administration's Office of Chief Counsel



Joe DeLorenzo

FMCSA Acting Associate Administrator
Office of Enforcement

Joe DeLorenzo is the Acting Associate Administrator for Enforcement for the Federal Motor Carrier Safety Administration (FMCSA) and the Director of the Agency's Office of Enforcement and Compliance. Mr. DeLorenzo is responsible for policy and program development and implementation for the Agency's enforcement and compliance programs, including oversight of the passenger carrier, household goods, and hazardous materials programs for FMCSA. In addition, he directs the

Agency's Motor Carrier Safety Assistance Program grants, Commercial Driver's License and North American Borders programs. Most recently, Mr. DeLorenzo has led the Agency's successful implementation of the new Hours of Service regulations, the Electronic Logging Devices mandate, the Drug and Alcohol Clearinghouse, the Crash Preventability Determination Program and the new Hours of service rule. Mr. DeLorenzo manages an annual budget of \$15-20 million and grant funds of \$380 million and manages a staff of 60 employees.

Mr. DeLorenzo has been with FMCSA for almost 30 years, including 17 years working in field operations in a variety of positions. Prior to assuming his current Office Director position in headquarters, he was Director of FMCSA's National Training Center, where he was responsible for the delivery of a wide range of training courses for Federal, State and local law enforcement agencies in the areas of commercial motor vehicles, hazardous materials safety, security, criminal interdiction and professional development. In addition, Mr. DeLorenzo provided training and education related to Commercial Motor Vehicle Safety and Security across North America, Europe and Asia. As a result of his extensive experience, Mr. DeLorenzo is an expert on the Agency's regulations and programs and routinely represents the Agency with the Senate, Congress and industry stakeholders.



Wade Kimble
Commercial Vehicle Enforcement
Texas Highway Patrol

Lieutenant Kimble is the Commercial Vehicle Enforcement Lieutenant for the Texas Highway Patrol stationed in Tyler, Texas. He has been in this position in Tyler for over 17 years. Lieutenant Kimble has a Bachelor's Degree of Science in Criminal Justice from Texas State University. He supervises Commercial Vehicle Enforcement, Highway Patrol and K-9 operations in Region 1 of East Texas. He has been employed with the Texas Department of Public Safety for over 24 years.

He has over 19 years of experience in the Commercial Vehicle Enforcement Service, and he proudly served in the U.S. Army as a Military Policeman with deployments to Operation Just Cause and Operation Desert Storm.



Daniel Murray
Senior Vice president
American Transportation Research Institute

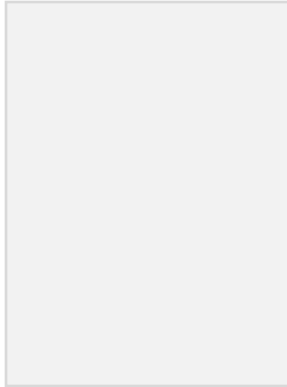
Daniel Murray has more than 30 years of experience in a broad range of transportation fields including trucking research and economics, transportation safety technologies and autonomous vehicles.

As Senior Vice President for the American Transportation Research Institute (ATRI), Dan is responsible for managing ATRI's transportation research, testing and evaluation, and leads multiple national activities including the U.S. DOT-sponsored Freight Mobility Initiative. Dan's efforts have led to transportation research awards from ITE, ITS America and the University of Minnesota, among others.

Prior to his employment with ATRI, Dan spent several years working in economic development for a Chicago business consortium and four years developing transit programs, policy and funding with the Regional Transit Board in Minneapolis/St. Paul, Minnesota.

Dan is actively involved in multiple committees of the National Academies' Transportation Research Board, and presently sits on the Boards of the Freight Mobility Research Institute, Mid-America Transportation Center, Northwestern University's Telemobility Center, and the Minnesota Freight Advisory Committee.

Dan received his B.A. from Gustavus Adolphus College in St. Peter, Minnesota, and his M.S. from Northwestern University in Evanston, Illinois.

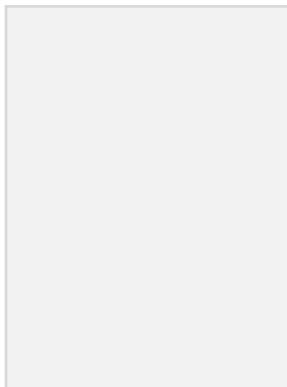
**Andrea Sequin**

Director of Regulatory Services
Schneider National

Andrea Sequin is director of regulatory services at Schneider, a premier provider of transportation, intermodal and logistics services. In this role, she is responsible for ensuring compliance with the Federal Motor Carrier Safety Regulations for Schneider's fleet of over 12,000 drivers and owner-operators.

Sequin started her career with Schneider in 2004 as an information systems manager. Key responsibilities in this role included overseeing the piloting of new technology and conducting data analysis of the results, as well as implementing new systems and completing user acceptance testing to ensure products worked as expected. In 2009, she became an operations support manager for Schneider's Bulk division, leading operational projects for the division, and managing cost and revenue levels. After three years in that role, Sequin assumed her current position.

Sequin holds a Master of Business Administration from the University of Wisconsin-Oshkosh and a Bachelor of Science from the University of Wisconsin-Green Bay. Sequin is a certified director of safety through the North American Transportation Management Institute and was an active member of the Transportation Research Board-Truck and Bus Safety subcommittee and the American Transportation Research Institute's Research Advisory Committee and Commercial Vehicle Safety Alliance. She lives in Green Bay, Wisconsin, with her family.

**Scott Valentine**

Data Quality Program Manager
FMCSA Analysis Division

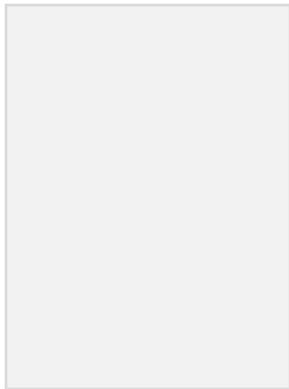
Scott is the Data Quality Program Manager within the Analysis Division of the Federal Motor Carrier Safety Administration, and has been working with truck and bus safety data for over 20 years. Over his career, he has worked in data analysis, program and regulatory evaluation, and now works with States and the public to ensure everyone has good data for making safety decisions.

Scott received a Bachelors of Science from Virginia Tech, and currently lives in Virginia with his wife and two kids. Scott's biggest hope is that one day soon, he'll be able to travel and see you all soon.

**Warren Simpson**

Special Enforcement Bureau
Arizona Highway Patrol

Major Warren Simpson is a 28-year veteran of Arizona Department of Public Safety. His assignments have included the DUI Enforcement Unit, Operational Training, the Arizona Counter Terrorism Information Center, Management Services, Civil Service Business Manager and Commander for the Phoenix Metropolitan Highway Patrol Bureau. He was recently assigned as the Special Enforcement Bureau Commander which includes the Capitol District and two Commercial Vehicle Enforcement districts. Major Simpson oversees MCSAP operations as the state's lead agency. He has a degree from Northern Arizona University and is a graduate of the Northwestern School of Police Staff and Command.

**Capt. Ed Sharpensteen**

Commercial Vehicle Enforcement North
Arizona Highway Patrol

Captain Sharpensteen is a 31-year veteran of the Arizona Department of Public Safety. Assignments as an officer included Highway Patrol, Operational Training, Organized Crime, and DEA Taskforce. As a supervisor, assignments in Gangs, Narcotics, and Intelligence. As a Captain, command assignments in Gangs, Highway Patrol, Capital, Intelligence, and Commercial Vehicle Enforcement. He has a Criminal Justice degree from Grand Canyon University and has attended numerous command schools.

**Brad Schaffer**

Driver's License Division Director
North Dakota Department of Transportation

Brad Schaffer has worked at the state of North Dakota for nineteen years. He joined NDDOT in 2005 and worked in many capacities including Information Technology Manager, Customer Support Manager, Senior Programmer, Drivers License Business Analyst and as a Computer Programmer. Brad is a graduate of University of Mary, Bismarck, North Dakota, and has a Master's Degree in Management.



Craig Hurst

Manager

Colorado Department of Transportation Freight Office

After graduating from Sacramento State, Craig spent nearly a decade in management in the private sector freight industry in various operational roles in California, Nevada, and Colorado. Craig has been with the Colorado Department of Transportation for nearly four years and is currently the manager of CDOT's Freight Office which combines permitting, operations, and planning. Besides his role at CDOT, Craig is a City Councilman for Commerce City, CO which has more than 200 transportation companies operating within the city.



Holly Skaar

Senior Research Analyst

Idaho State Police, Commercial Vehicle Safety Section

Holly Skaar, Idaho State Police/Commercial Vehicle Safety. Ms. Skaar is a Research Analyst, Sr. for Idaho State Police/Commercial Vehicle Safety Section. She has been with Idaho State Police for the past 34 years. What started as a part-time data entry position, has worked its way into a career with a commitment to commercial vehicle safety and enforcement. Her main focus is with commercial vehicle data management, data quality and IT systems. Ms. Skaar has belonged to the

Commercial Vehicle Safety Alliance (CVSA) for over 25 years. Currently Ms. Skaar is serving her 8th year as the Chair of the CVSA Information Systems Committee. The CVSA Information System Committee works with FMCSA, the Commercial Vehicle Industry and the 55 States/Territories advancing the MCSAP data quality standards, business rules and IT initiatives / problems. She is a voting member for the Idaho TRCC Committee and is serving her 3rd term on the FMCSA Motor Carrier Safety Advisory Committee (MCSAC). Ms. Skaar earned her BA in Communication from Boise State University.



David G. Madsen

Principal Technical Advisor

US DOT Volpe Center

David Madsen is the principal technical advisor in motor carrier safety at the U.S. DOT Volpe Center. Madsen received a masters of engineering degree and a bachelors degree in operations research and industrial engineering from Cornell University. From 1993 to the present, he has worked on motor carrier safety projects at Volpe in a variety of areas such as program performance measures, program evaluation, motor carrier and driver risk assessment, risk management, and safety program development.

Madsen is recognized for his significant contributions to the Federal Motor Carrier Safety Administration (FMCSA) overall goal of reducing large truck crashes and the shared Department of Transportation strategic safety goal of saving lives on our nation's highway. Madsen recently led the design and delivery of an innovative and new FMCSA measurement system, Safety Measurement System (SMS). The SMS is an integral part of FMCSA's top safety effort, the Comprehensive Safety Assessment (CSA) Initiative.

The CSA Initiative is a comprehensive effort to update, integrate, and improve the effectiveness and efficiency of all FMCSA motor carrier safety programs. The SMS identifies specific safety problems of individual motor carriers and CMV drivers based on on-road performance. The innovative approach allows FMCSA to surgically address the safety problems more efficiently and effectively through a series of progressive interventions as well as meet the Congressional mandate of preventing "unfit" motor carriers from operating interstate.



Gary Graber

Town Justice, Town of Darien and Past President
New York State Magistrates Association

Justice Gary A. Graber has served as the town justice for the Town of Darien, New York, since January 1980. He is a past member of the Town and Village Court Education Curriculum Committee and has taught criminal and administrative courses for the New York State Judicial Institute and the New York State Office of Court Administration.

Justice Graber continues to be very active in the development and training of topics relating to commercial driver's licenses and commercial motor vehicles, including the development of sentencing charts which assist the New York courts in properly disposing cases that involve commercial motor vehicle equipment violations. As an alumnus and faculty member of the National Judicial College since 2008 he continually instructs judicial personnel both in their home states and virtually on all matters related to the commercial driver's license.

Several years ago he was appointed by the Hon. Gail Prudenti, Chief Administrative Judge for the State of New York to sit as a member of the New York State Advisory Committee on Local Courts and is also an honorary member of the New York State Magistrates Court Clerks Association. He is a past president of the Genesee County Magistrates Association and has been a member of the New York State Magistrates Association for over 41 years, serving as a past president, vice president and director in that association.

He has received many awards, including the Leadership Award from the Genesee County Magistrates, the 2005 Magistrate of the Year Award, the 2006 Criminal Justice Award from Genesee County Alcohol and Substance Abuse, the 2006 Leadership Genesee Outstanding Alumnus Award and the 2013 Kevin E. Quinlan Award for Excellence in Traffic Safety.



Chris Turner

Director of Enforcement Data and Judicial Outreach
Commercial Vehicle Safety Alliance

Christopher Turner is the Director of Enforcement Data and Judicial Outreach for the Commercial Vehicle Safety Alliance. Chris has testified before the United States Senate, House of Representatives, Kansas Senate and House, worked on Congressional Highway Bills, state laws, federal and Kansas administrative regulations. Chris is a former Kansas Highway Patrol Captain. Chris oversaw the Patrol's Motor Carrier Safety Assistance Program (MCSAP), weight enforcement (fixed and mobile), accident reconstruction teams, and the Drugs Recognition Expert and Standardized Field Sobriety Testing programs. Among other duties, Chris served the Patrol as a Drug Recognition Expert, Standardized Field Sobriety Instructor, and accident reconstructionist.

Chris is a past President of the Commercial Motor Vehicle Safety Alliance serving as the vice chair of the Programs Initiatives Committee, Adjudicated Citations Committee, while moderating several technology forums.

Chris is a graduate of Washburn University School of Law where he received his Juris Doctor and is a practicing attorney. His undergraduate degree is from Benedictine College in sociology focusing on religious studies emphasizing philosophy.



Amber Trueblood

Associate Research Scientist
Texas A&M Transportation Institute

Dr. Amber Trueblood is an Associate Research Scientist at the Texas A&M Transportation Institute (TTI) where she works on a variety of projects surrounding transportation safety. Her research interests include improving data collection/quality, large truck involved crashes, occupational crashes, vulnerable road users, and impaired driving. She is involved in a multitude of projects with a variety of tasks, ranging from crash analyses to educational outreach efforts. Dr. Trueblood is currently the Principal Investigator on two FMCSA projects focused on exploring MMUCC 5th recommendations and large truck crash reporting. Dr. Trueblood works on a variety of topics and projects, but she is passionate about improving crash reporting and developing educational resources for officers.



Eva Shipp
Research Scientist
Texas A&M Transportation Institute

Dr. Eva Shipp is Research Scientist and Lead of the Crash Analytics Team at the Texas A&M Transportation Institute (TTI). She is an injury epidemiologist with expertise in occupational health and safety. During the last twenty years, she has worked on a variety of transportation and worker health and safety projects. Her primary research interests include truck safety, employer-provided safety programs, developing novel and integrative data-driven approaches to traffic safety, and injury surveillance in working populations. At present, she is the Principal Investigator of two FMCSA projects aimed at understanding rural crashes and developing educational materials.



Carrie Silcox
Division Director
Utah Department of Public Safety, Highway Safety Office

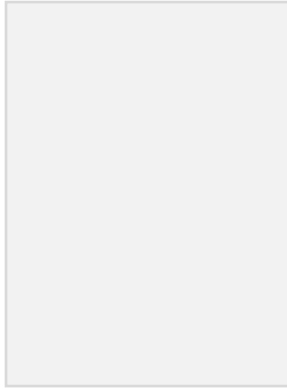
Carrie is currently the Director of the Utah Highway Safety Office. She has worked for the State of Utah for over 31 years. She began her career with the Utah Department of Transportation, Motor Carrier Division, working with the SafetyNet System. In 2007, she accepted a position within the Utah Department of Public Safety's Highway Safety Office. She has held the positions of Traffic Records Program Manager and Deputy Director. While working as the Traffic Records Program Manager, Carrie, was instrumental in the State's movement toward electronic submission of crash records, culminating in 2013. Recognizing the need to have one authoritative source for Utah's crash data, improving its accuracy and growing the research capabilities, she was one of the founding partners of the Utah Transportation and Public Safety Crash Data Initiative (UTAPS). Carrie received her Bachelor's Degree from Utah State University.



Juan Medina
Research Assistant Professor
Department of Civil and Environmental Engineering,
University of Utah

Dr. Medina has over fifteen years of experience in transportation engineering research gained through his doctoral studies and as a Postdoctoral Research Associate at the University of Illinois in Urbana-Champaign, as well as a Research Assistant Professor at the University of Utah since 2015. His research has a strong data-driven component and is focused on traffic safety and traffic control systems. Dr. Medina is the Principal Investigator for the Crash Data Initiative (UTAPS-CDI), a long-term effort to develop back-end, middleware, and web front tools aimed at unifying, hosting, and integrating crash-related data and analytics in the state of Utah. He has been involved either as a principal

investigator or a key researcher on over 30 externally sponsored projects. Dr. Medina is also a certified professional in the administration of Microsoft SQL databases, and he is active in the transportation community, mostly through TRB committees and as a handling editor for the TRR journal.



Robert Miles

Director of Traffic and Safety
Utah Department of Transportation

Robert Miles, P.E. is the Director of Traffic and Safety for the Utah Department of Transportation (UDOT), responsible for serving the people of Utah and providing the best transportation system possible to them. He joined UDOT in 2009 and over his 22-year career, has served in multiple capacities including: Design Engineer, Structures Manager, Traffic Operations Engineer and District Engineer. He has been instrumental to UDOT's design teams and the incorporation of safety improvements as a fundamental part of the State's transportation infrastructure.

Mr. Miles completed his bachelor's degree in Civil & Environmental Engineering at Utah State University. He enjoys spending his free time with his wife and four children.



Nic Ward

Director
Center for Health and Safety Culture, Montana State
University

Professor Nic Ward (F. Erg. S.) is the Director of the Center for Health and Safety Culture and a Professor of Industrial and Management Systems Engineering in the Norm Asbjornson College of Engineering at Montana State University. He also serves as a Principal Investigator (PI) and provides leadership and expertise on multiple projects about traffic safety. Ward is an original member of the Transportation Research Board (TRB) Subcommittee on Roadway Safety Culture, co-author of the National Toward Zero Death strategy, and a recognized international leader for the advancement of traffic safety culture as the foundation for creating safe systems.

**Jubaer Ahmed**

Graduate Research Assistant
Center for Health and Safety Culture, Montana State University

Jubaer Ahmed, M.S., is a Ph.D. candidate and Graduate Research Assistant for the Center for Health and Safety Culture (CHSC) at Montana State University. He holds a master's degree in Logistics, Trade, and Transportation from the University of Southern Mississippi and a Bachelor's in Industrial Engineering from Bangladesh University of Engineering and Technology. His research addresses risky driving

behavior among commercial and non-commercial driving populations from the perspective of emotional intelligence.

**Jolanda Prozzi**

Senior Research Scientist
Texas A&M Transportation Institute

Ms. Jolanda Prozzi is a Division Head, Program Manager, and Senior Research Scientist at the Texas A&M Transportation Institute. She is responsible for identifying and conducting research of state and national significance. Ms. Prozzi has 25 years of professional and research experience in the areas of freight planning, freight policy, and environmental planning.

Prior to joining TTI, Ms. Prozzi was the Assistant Director at the Center for Transportation Research at the University of Texas at Austin, a Transportation Analyst at Cambridge Systematics, Inc., a Consultant Transportation Economist for the World Bank, and a Project Leader at the Council for Scientific and Industrial Research (CSIR): Division of Roads and Transport Technology (in South Africa). In addition, Ms. Prozzi has served as a consultant for the PEW Foundation on Global Climate Change, National Cooperative Highway Research Program, U.S. Agency for International Development, and the CSIR (South Africa).

**Sherif Gaweesh**

Postdoctoral Research Associate
University of Wyoming

Dr. Sherif Gaweesh is a Postdoctoral Research Associate in the Department of Civil and Architectural Engineering at the University of Wyoming (UW). He is also the Deputy Director of the Center for Simulation and Human Factors for Connected and Automated Vehicles at UW. Dr. Gaweesh has over 14 years of practical and research experiences in the field of transportation engineering with a focus on traffic safety. His research interests include traffic safety analysis,

Intelligent Transportation Systems (ITS), Connected and Automated Vehicles, and statistical and

big data analytics. Dr. Gaweesh got awarded his PhD in 2018 in Transportation Engineering with a minor in statistics. He participated in accomplishing several national, regional, and state funded projects.



Xiao-Yun Lu

Research Engineer
California Partners for Advanced Transportation
Technology

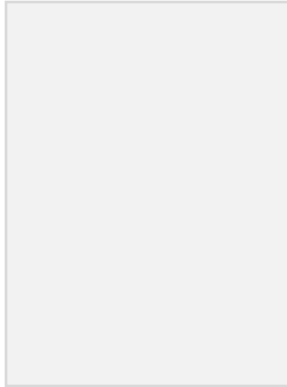
Dr. Xiao-Yun Lu is an established Research Engineer with over 30 years of experience in transportation research. Dr. Lu first began working at California PATH in 1999 as a Senior Researcher after graduating with a PhD in Systems and Control from the University of Manchester. Since joining PATH, he has been the lead on a number of successful projects, including the Caltrans DRISI Projects, “Traffic Congestion Responsive Ramp Metering”, “Coordinated Ramp Metering Algorithm and Field Operational Test”, “Variable Speed Advisor Algorithm and Field Operational Test”, and FHWA-sponsored, “FHWA EAR Program Project: Truck CACC (Cooperative Adaptive Cruise Control) Implementation and Field Testing”. He is presently the Principal Investigator of multiple PATH projects as well as a supervisor to numerous graduate students.



Sal Hernandez

Associate Professor
Oregon State University

Salvador Hernandez, Ph.D. is an Associate Professor in the School of Civil and Construction Engineering at Oregon State University (OSU). He earned his Ph.D. degree in Transportation Infrastructure Systems Engineering at Purdue University, West Lafayette, Indiana in 2010. His current research leverages knowledge and experience to produce solutions to the complex and multifaceted problems inherent in transportation systems. His research derives knowledge from social sciences and computational sciences to create meaningful solutions for problems in Transportation Safety, Freight Logistics, Transportation Systems Modeling, and Disaster Management. He blends the development of new science-based approaches with practical applications and implementation.



Bill Bannister
Chief
FMCSA Analysis Division

Bill is the Chief of the Analysis Division in FMCSA. He is responsible for monitoring the quality of data reported to FMCSA, disseminating data and statistics to governmental agencies and the public, and producing statistical analyses of large truck and bus safety issues. Bill came to FMCSA in 2008 after 8 years in DOT's Bureau of Transportation Statistics, and a 28-year career as a Coast Guard officer where he spent considerable time as a planner and analyst developing performance measures for Coast Guard safety programs. He is a graduate of the U.S. Coast Guard Academy with a BS in mathematics, and obtained a MS degree in Operations Research and Statistics from Rensselaer Polytechnic Institute.



Tom Keane
FMCSA Associate Administrator
Office of Research and Registration

Tom has proudly served the U.S. Department of Transportation for 28 years, the last 20 years with the Federal Motor Carrier Safety Administration (FMCSA). He currently serves as the Associate Administrator of Research and Registration, where he provides executive leadership directing the Office of Analysis, Research and Technology, as well as the Office of Registration, which oversees all motor carrier applications and insurance filings. Tom previously served as Director, FMCSA Office of Safety Programs, where he managed \$380 million in annual grant programs, the Commercial Driver's License (CDL) Division, which sets the nationwide testing and licensing standards for CDLs, and the North American Borders Divisions, which negotiates all medical standards and CDL reciprocity agreements with Canada and Mexico. Additionally, Tom has served as Director of FMCSA's Eastern Service Center, Chief of the FMCSA State Programs Division and the FMCSA Analysis Division, as well as Senior Policy Advisor to the Associate Administrator for Field Operations. Tom began his Federal career in 1992 with the Federal Highway Administration, serving in the FHWA Office of Policy Development and Office of Instructure. Tom holds Bachelor's and Master's Degrees in Applied Economics from the University of Maryland, College Park.



Capt. John Hahn

Commander, Hazardous Materials Section
Colorado State Patrol

Captain John Hahn is a 21-year veteran of the Colorado State Patrol (CSP). Captain Hahn serves as the commander of the CSP Hazardous Materials Section in charge of hazmat enforcement and response across the State of Colorado. His role also involves promulgation of rules related to the transportation of hazmat on Colorado's roads as well as industry enforcement and outreach with hazmat carriers across the state.

Captain Hahn is a member of the board of directors for the Commercial Vehicle Safety Alliance (CVSA) serving as the current Region III president and is chair for the Alliance's Policy and Regulatory Affairs Committee. In addition, Hahn also chairs the CVSA working group on hemp transportation and is also a member of the Colorado Hemp Advancement and Management Plan (CHAMP) working group. This governor's initiative is a broad stakeholder effort in Colorado intended to define a well-structured and defined supply chain for hemp in order to establish a strong market for the state's farming communities.

Captain Hahn holds a Bachelor of Science degree in aviation technology from Metropolitan State University and is a graduate of the 267th session of the School of Police Staff and Command at Northwestern University. Hahn resides in the Denver area with his wife and three children.



Lt. Don Plowman

Commercial Enforcement MCSAP Commander
Nevada DPS-Highway Patrol

Lieutenant Plowman is a 20-year member of the Nevada Department of Public Safety, Highway Patrol Division. Upon graduation from the NHP Academy in 2001, he served as a Trooper holding various assignments including Graveyard Traffic Enforcement Operations, Governor's Dignitary Protection Detail and Courts/Warrants Service Operations. He served in those capacities while assigned to both the Las Vegas and Reno duty stations.

In 2007, he was promoted to the rank of Sergeant and was assigned to Commercial Enforcement Operations, duty station Elko. As a Sergeant he served primarily as a Commercial Enforcement Operations supervisor, but also served as a Traffic Enforcement Operations supervisor as well. He served in those capacities while assigned to the Elko, Reno and Fernley duty stations.

In 2018, he was promoted to the rank of Lieutenant and assigned to NHP Headquarters where he currently serves as the statewide MCSAP Commercial Commander for the Highway Patrol Division.



Kris Lynch
Trooper
Washington State Patrol

Trooper Lynch has been with the Washington State Patrol (WSP) for 15 years in the metro Seattle area, currently assigned to the Commercial Vehicle Division. He has a BA in Criminal Justice, and has completed NHTSA Standardized Field Sobriety Test (SFST) Training and ARIDE (Advanced Roadside Impairment Detection and Evaluation) Training. He is a Drug Recognition Expert, a Collision Technical Investigator, a NHTSA Standardized Field Sobriety Test Instructor, and a WSP

Academy Instructor for Commercial Vehicle Enforcement Officers (Impairment Awareness Training). He is also a Member of the WSP Target Zero Team (DUI Squad – 100's of DUI's arrested) and a CVSA Certified CMV and Hazmat Inspector.



Lt. Dave Wolf
Regional Commander
Motor Carrier Operations, North Dakota Highway Patrol

Lt. David Wolf grew up in Bismarck, ND. Lt. Wolf attended the University of North Dakota in Grand Forks, ND and earned a Bachelor of Science degree in Criminal Justice. After attending UND — Lt. Wolf attended the University of North Dakota — Lake Region in Devils Lake, ND and graduated from the Peace Officer Training Program in 1995. Lt. Wolf was hired as a patrolman for the City of Beulah, ND in 1995 and worked there until he was hired by the North Dakota Highway Patrol in

January of 1997. Lt. Wolf graduated from the NDHP academy and was stationed in Hettinger, ND as a traffic trooper. Lt. Wolf transferred to Fargo, ND in 1999 and was promoted to the rank of regional Sergeant in 2006. Lt. Wolf served in that capacity until 2013 when he was promoted to the rank of Lieutenant and served in Grand Forks, ND. In 2014 Lt. Wolf transferred back to Fargo as a Motor Carrier Sergeant. In 2019 David was promoted back to the rank of Lieutenant as the Motor Carrier Commander. Lt. Wolf has served on numerous committees within the agency and hold several NAS inspection certifications. Lt. Wolf is a certified Post Board instructor in North Dakota. Lt. Wolf also attended the Northwestern Center for Public Safety Staff and Command School. Lt. Wolf is married to Heid and has two children, Devin (19) and Aiden (16). Lt. Wolf enjoys spending time outdoors and traveling with his family watching his sons compete in hockey and baseball.



Lt. Adam Dvorak

Assistant Operations Commander
Motor Carrier Operations, North Dakota Highway Patrol

Lt. Adam Dvorak is a 20-year member of the ND Hwy Patrol. His current position is as the agency's Assistant Operations Commander. Lt. Dvorak oversees the North Dakota Highway Patrol's eCVSP and MCSAP budget. Lt. Dvorak also oversees the ND Hwy Patrol K9 program, aircraft program, drone operations, SFST/DRE program, Emergency Response Team, Crash Recon Team, and all overtime programs.



Capt. Leonard Dittman

Motor Carrier Safety
Colorado State Patrol

Captain Leonard Dittman is a 27-year veteran of the Colorado State Patrol. He has had the privilege of serving in a variety of roles throughout his career. From Field Trooper and Corporal in the CSP's District 3, to a Sergeant in Homeland Security and several roles as a captain. As Captain he has worked in the Patrol's Executive Security Unit, Smuggling and Trafficking Section, a Field Commander in District 1 and most recently as the Commander of the Motor Carrier Safety Section.