

# CMV Safety Summit 2024



Brenda Lantz, NDSU-UGPTI

# Western CMV Safety Summit – December 4-5, 2024

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- Co-hosted with the **Colorado State Patrol**, and funded by FMCSA cooperative agreement
- More than **150 attendees** from federal and state DOTs, law enforcement, driver licensing agencies, universities, and industry
- **Focus**
  - **Technologies** to promote safe driving behaviors and **crash analysis tools** to identify high-risk corridors
- [www.ugpti.org/events/safetysummit2024/](http://www.ugpti.org/events/safetysummit2024/)



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# Opening Sessions

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- **Setting the Stage for CMV Safety**
  - Tom Keane, FMCSA Associate Administrator, Office of Research and Registration
- **Keynote Speaker**
  - Sue Lawless, FMCSA Executive Director Chief Safety Officer
- **Priorities and Challenges to Improve CMV Safety**
  - State Perspective
    - Capt. Brian Cocagne, California Highway Patrol
  - Industry Perspective – 2024 Top Industry Issues
    - Alex Leslie, Senior Research Associate, American Transportation Research Institute
  - Regional Perspective
    - Scott Hernandez, Regional Field Administrator, FMCSA Western Service Center



# Question - From Alex Leslie's (ATRI) Presentation

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- What was the top industry issue for **companies**?
  1. Lawsuit Abuse Reform
  2. Insurance Cost/Availability
  3. Economy
  4. Driver Shortage
- What was the top industry issue for **drivers**?
  1. Driver Compensation
  2. Truck Parking
  3. Detention/Delay at Customer Facilities
  4. Economy



# Answer - From Alex Leslie's (ATRI) Presentation

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- What was the top industry issue for 2024 for **companies**?
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  3. **Economy**
  4. Driver Shortage
- What was the top industry issue for 2024 for **drivers**?
  1. Driver Compensation
  2. **Truck Parking**
  3. Detention/Delay at Customer Facilities
  4. Economy

# Plenary Session – Resources and Tools/Technologies

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- **A&I Crash Statistics Visualization Tool**
  - Lauren Rafferty, Management and Program Analyst, Volpe National Transportation Systems Center
  - <https://ai.fmcsa.dot.gov/CrashStatistics/Visualization>
- **Using Telematics, AI, and Video to Identify Both High Risk and Safe Drivers**
  - Gary Johnson, Head of Safety and Compliance Strategy, Motive
- **NHTSA's Latest Edition of Countermeasures That Work and Partnership Efforts Between FMCSA Division Offices and NHTSA Region 8**
  - Gina Mía Espinosa-Salcedo, Regional Administrator, Regional Operations and Program Delivery, NHTSA
  - <https://www.nhtsa.gov/book/countermeasures/countermeasures-that-work>



# Question - From Gary Johnson's Presentation

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- What percent reduction in accidents was achieved for some companies within months of deploying in-cab alerts and regular driver coaching?
  1. 10%
  2. 25%
  3. 50%
  4. 75%





## Answer - From Gary Johnson's Presentation

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- What percent reduction in accidents was achieved for some companies within months of deploying in-cab alerts and regular driver coaching?
  1. 10%
  2. 25%
  3. 50%
  4. **75%**
- Implementing alerts for distraction, drowsiness, close following, etc.

# Plenary Session – State Best Practices

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- **Washington Law and Justice Program Creates Partnerships Across Multiple Agencies to Support Courts and Law Enforcement**
  - Dan Cooke, Administrator, Licensing, Endorsements, and Traffic Safety Program, Washington State Department of Licensing
- **New Mexico High Crash Corridor Effort Based on Integrated Real Time Data**
  - Capt. Joseph Romero, New Mexico State Police
- **Autonomous Trucking in North Dakota – Prospects and Challenges**
  - Denver Tolliver, Director, North Dakota State University, Upper Great Plains Transportation Institute
- **Use of Artificial Intelligence Supported Cameras and Targeted Messaging in California to Improve CMV Safety**
  - JJ Rogers Lewis, Program Manager, Transportation Research and Education for Driving Safety (TREDS) Center, University of California San Diego

# Plenary Session – Research and Partnerships

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- **Data Innovations to Reduce High-Risk Driving for CMVs on Rural Roadways in Texas and the Statewide CMV Profile Map**
  - Eva Shipp, Senior Research Scientist, Texas A&M Transportation Institute
  - [https://ttishiny.shinyapps.io/FMCSA\\_CMV\\_Profile/](https://ttishiny.shinyapps.io/FMCSA_CMV_Profile/), click on second tab
- **Safe Truck Mobility for North Dakota Winter Roads**
  - Lt. Luke Hendrickson, Commander, Motor Carrier Operations, North Dakota Highway Patrol
  - Kimberly Vachal, Program Director, Rural Transportation Safety and Security Center, North Dakota State University, Upper Great Plains Transportation Institute
- **Issues and Opportunities with Driver-Facing Cameras**
  - Alex Leslie, Senior Research Associate, American Transportation Research Institute

## Question – From Lt. Luke Hendrickson's Presentation

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- What percent of truck drivers involved in a winter crash in ND in the last five years were licensed outside of ND?
  1. 20%
  2. 40%
  3. 60%
  4. 80%



# Answer – From Lt. Luke Hendrickson's Presentation

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- What percent of truck drivers involved in a winter crash in ND in the last five years were licensed outside of ND?
  1. 20%
  2. 40%
  3. 60%
  4. **80%**
- Strategies
  - Winter driving information campaign
    - Helpful videos of Trooper Tips - <https://www.nd.gov/ndhp/MCO.Video.Trooper.Tips>
  - Out-of-state truck driver/company education
  - Coordination with neighboring states
  - Planning closures with lead time for truck parking

# Plenary Session — State and Industry Coordination Efforts

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- **California Commercial Vehicle Safety Summit and Industry Day Events**
  - Casey Matlock, Motor Carrier Manager, California Highway Patrol
  - Capt. Brian Cocagne, California Highway Patrol
- **Growing Positive Traffic Safety Culture: Changing Beliefs to Support Safer Behaviors**
  - Kari Finley, Director and Research Scholar, Center for Health and Safety Culture, Montana State University
  - Resource to reduce risky driving behaviors
    - [www.mdt.mt.gov/research/projects/trafficsafety-rrb.aspx](http://www.mdt.mt.gov/research/projects/trafficsafety-rrb.aspx)
- **An Innovative Approach to Shifting Driver Behavior**
  - Bill Bland, Managing Partner, Medidas Technologies



# Plenary Session — FMCSA Research, Technology, and CDL Updates

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- **Current Research in Roadside and Onboard Technology Solutions**
  - Tom Kelly, Senior Transportation Specialist, FMCSA Advanced Technology Division
    - ADAS, Automation, Level VIII inspections
- **Updates and Hot Topics from the CDL Division**
  - Nikki McDavid, Chief, FMCSA CDL Division
    - Drug and Alcohol Clearinghouse
    - Safe Driver Apprenticeship Pilot Program
- **Latest Updates from the Applied Research and Crash Data Analytics Divisions**
  - Kelly Stowe, General Engineer, Applied Research Division
  - Dan Meyer, Transportation Specialist, Crash Data Analytics
    - New Entrant training, Crash Causal Factors program

# Final Session —

## Roundtable Discussion of State Topics and Main Takeaways

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- This event was a great platform for discussing **potential collaborations** and **building connections** with professionals across various sectors.
- Learning the **challenges from different states** - some are similar in nature and can help in future collaborations to solve regional issues.
- Being **collaborative** will get us all farther than working independently.
- Learned that there are many different researchers looking for ways to **leverage data in a way that will reduce CMV crashes**.
  - Also, while technology can help improve traffic safety, the **effectiveness of these technologies relies heavily on the CMV driver** and other roadway user acceptance of these technologies.
- You can **change driver behaviors** by changing the approach you take in relation to their **belief system**.

# Questions/Comments

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- Summit 2024 website - [www.ugpti.org/events/safetysummit2024/](http://www.ugpti.org/events/safetysummit2024/)
- CVSC website with prior Summit's information and resources - [www.ugpti.org/outreach/cvsc/](http://www.ugpti.org/outreach/cvsc/)
- Contact: Brenda Lantz, NDSU-UGPTI
  - [brenda.lantz@ndsu.edu](mailto:brenda.lantz@ndsu.edu) or 720-470-1871



# Thank you



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