

Applied Research Division

Jon Mueller



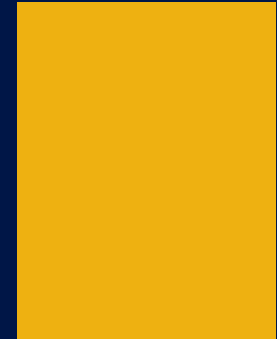
U.S. Department of Transportation
Federal Motor Carrier Safety Administration

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2024

SAFETY RESEARCH FORUM

VIRTUAL EVENT



Applied Research Division

- **Purpose:** Conduct basic and applied research focused on Driver Health and Wellness, Carrier issues impacting safety, and staying current on international research and standards.
 - **Human Factors**
 - Driver Fatigue
 - Driver Distraction
 - Driver monitoring systems
 - **Driver Qualifications**
 - Medical Certification
 - CDL Knowledge, Skills, Training
 - **Impairment**
 - Alcohol
 - Other drugs
 - **Equity and Diversity**
 - Inspection and enforcement actions
 - Harassment
 - Carrier best practices
 - **Truck Parking**
 - Information Systems
 - Analysis of demand
 - **International Research & Standards**
 - Awareness/incorporation of international research activities
 - Participation in international transport safety organizations

Selected Applied Research Division Projects

- **Safe Driver Apprenticeship Pilot Program (SDAP)** <https://www.fmcsa.dot.gov/safedriver>
 - Required by Section 23022 of the Bipartisan Infrastructure Law
 - Pilot program to determine the safety impacts of an apprenticeship program for drivers 18-20
- **“Driver Compensation Study” and “Driver Detention Time Study”**
 - Driver Compensation Study: Contract with TRB to understand the impact of various methods of driver compensation on safety and driver retention
 - Detention Time Study: Determine the frequency and severity of detention time and the impact on safety and operations
- **FMCSA Data Repository**
 - Develop, maintain, and operate the Repository with raw AND public use data sets
 - Launched in February 2022: <https://fmcsadatarepository.vtti.vt.edu/>
- **Warning Devices for Stopped Commercial Motor Vehicles**
 - Goal is to evaluate the effects of warning triangles deployed near a stopped CMV on safety-relevant driving behavior
 - Eye-trackers, vehicle sensors, and GPS will measure drivers’ detection time, response time, and response quality with millisecond-precision.

Contact Information

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