



Overview of FMCSA Analysis, Research & Technology Program

Western Regional Commercial Vehicle Safety Summit

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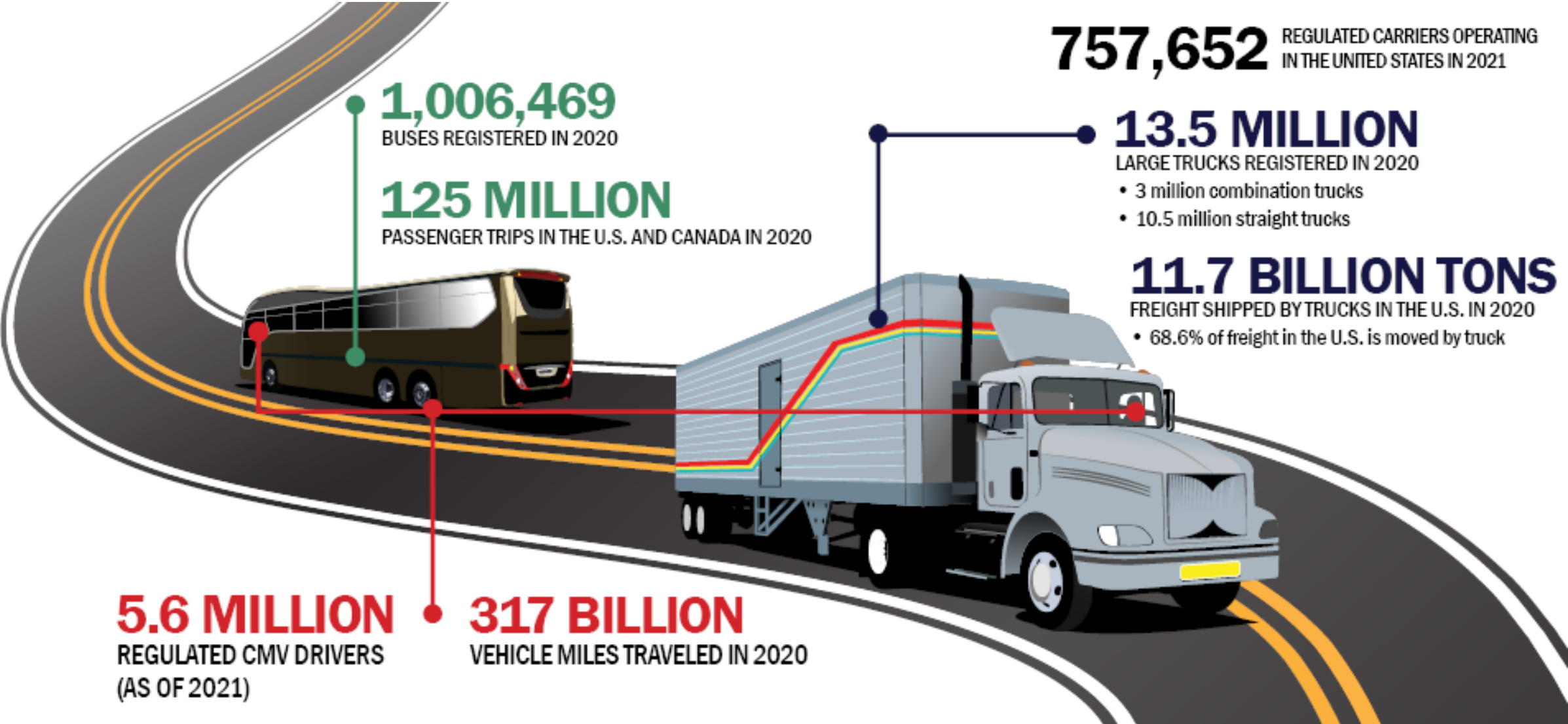


U.S. Department of Transportation
Federal Motor Carrier Safety Administration

Agenda

- Overview of the Analysis, Research and Technology (R&T) Program
- Priority Research Topic Areas
- Summary of active driver-related projects
- Overview of planned FY 23/24 driver-related projects

Motor Carrier Industry Snapshot



Office of Analysis, Research & Technology (ART): Mission and Focus Areas

Mission:

To save lives and reduce CMV crashes through collaboration, education, research, technology, and compliance.

Research Budget: ~
~\$22M per year, with dedicated funding for congressionally directed projects.

Drivers



Carriers

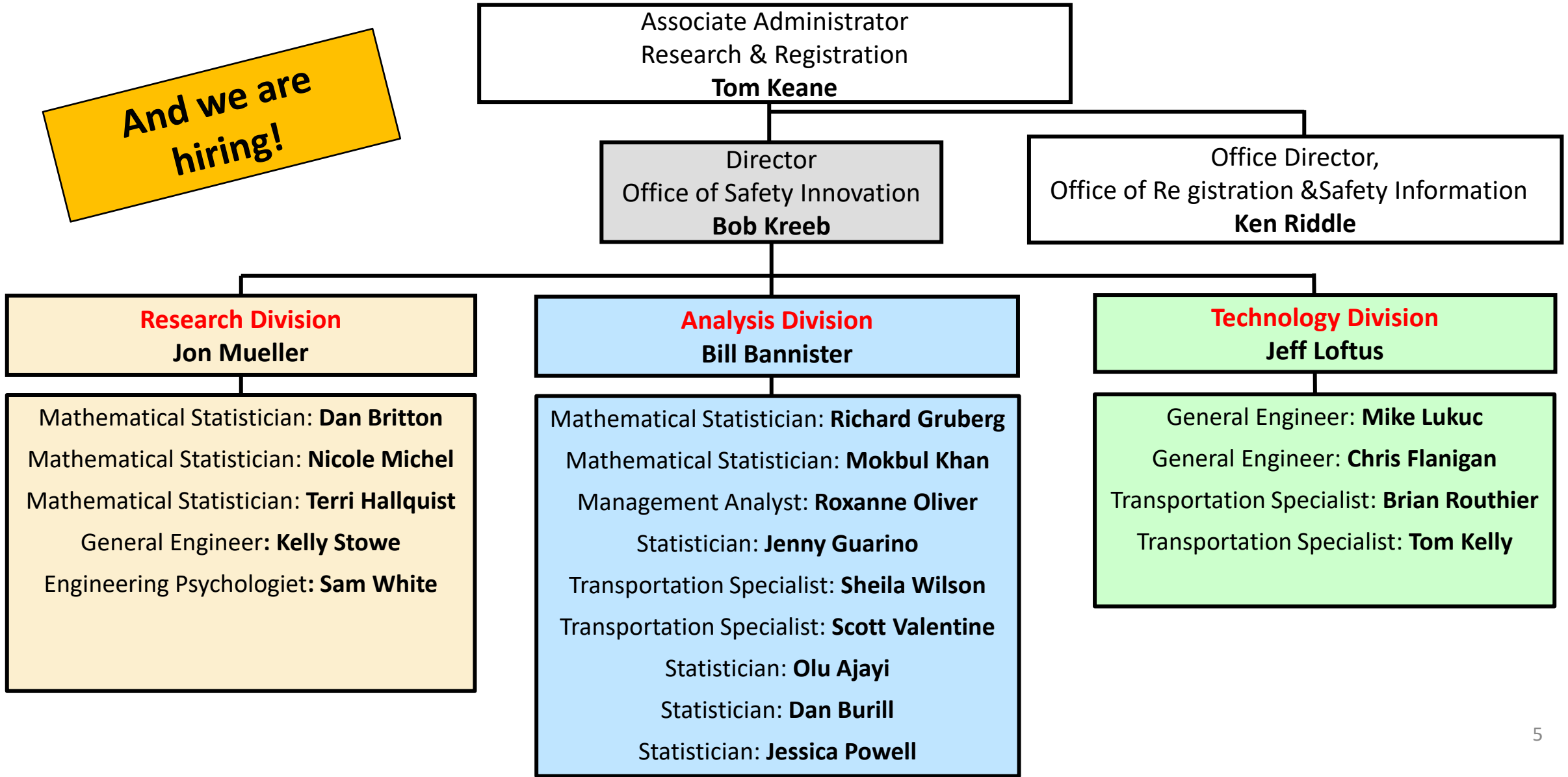


Vehicles



FMCSA's Office of Analysis, Research, and Technology

And we are hiring!



Priority Research and Technology Topics

- Automated Driving Systems (ADS)
- Advanced Driver Assistance Systems (ADAS)
- **Driver Health and Wellness**
- Carrier operations
- Data Sharing, Transparency, and Collaboration
- Legislatively Directed Projects



Sample of recently completed or active driver-related projects



- **CDL Convictions Study**
- **Effect of Length of Medical Certification on Safety**
- **Effectiveness of Third-Party Testing and Minimum Standards**
- **Safe Driver Apprenticeship Program**
- **Driver Compensation Study**
- **Driver Detention Study**



Planned FY 23/24 driver-related projects

- **Completing the Picture of Drivers**
- **Evaluation and Update of Skill Performance Evaluation (SPE) Certificate Criteria**
- **Effect of Electric CMVs on Duty and Rest Patterns**
- **Assessing the Equity of Commercial Motor Vehicle Inspection and Enforcement**





Technology Focused Research Impacting Driver Safety



- **Tech-Celerate Program**
- **Safety Evaluation of Automated Driver Assistance System (ADAS) Technology using naturalistic data**
- **Level VIII inspections (enroute/wireless driver inspections)**
- **Survey of Automated Enforcement Technologies**
- **The Impact of Vehicle Maintenance on Safety**
- **Use of drones in CMV Safety Enforcement & Incident Management**

Contact Information

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