

U.S. Department of Transportation

Federal Motor Carrier Safety Administration

Current & Upcoming Research Activities

Dr. Kelly Regal

2020 Transportation Research Board 99th Annual Meeting Federal Motor Carrier Safety Administration Analysis, Research, and Technology Forum January 14, 2020

Content

- Highlighted 2020 activities.
- Fixing America's Surface Transportation Act, 2015 (FAST Act) research updates.
- Ongoing and planned research, by focus area.
- Information resources.

Highlighted 2020 Activities

- Planning on the new Large Truck Crash Causal Factors Study.
- Focusing on remaining projects required by the FAST Act.
- Partnering with industry to leverage technology and reduce crashes.
- Conducting research and testing on automated driving systems (ADS) in commercial motor vehicles (CMVs).
- Conducting driver, carrier, and vehicle safety research.

Large Truck Crash Causal Factors Study

Goal

To collect more and new data on the causal factors associated with large truck crashes.

Upcoming in 2020

- Review and analysis of request for information (RFI) comments.
- Develop study design with the National Highway Traffic Safety Administration (NHTSA).
- Conduct pilot data collection (beta test):
 - Develop data collection plan.
 - Construct database.
 - Train data collection team.

FAST Act Research Projects: Status and Overview

Section Number	Activity	Status
5221	Correlation Study	Completed
5306	Working Group to Consider New Post-Accident Crash Data Elements for Tow-Away Crashes	Completed
5404	Commercial Driver Pilot Program for Military Trained Drivers	Ongoing
5506	Commercial Driver's License Skills Test Delays	First annual report complete
5515	Study on Commercial Motor Vehicle Driver Commuting	Completed

FAST Act Research Projects: Status and Overview (cont.)

Section Number	Activity	Status
5517	Report on Motor Carrier Financial Responsibility	Completed
5510	Safety Study Regarding Double-Decker Motorcoaches	Completed
5222	Beyond Compliance	Ongoing; study design in progress

FY20 High-Priority Projects, Collaborative Research Activities

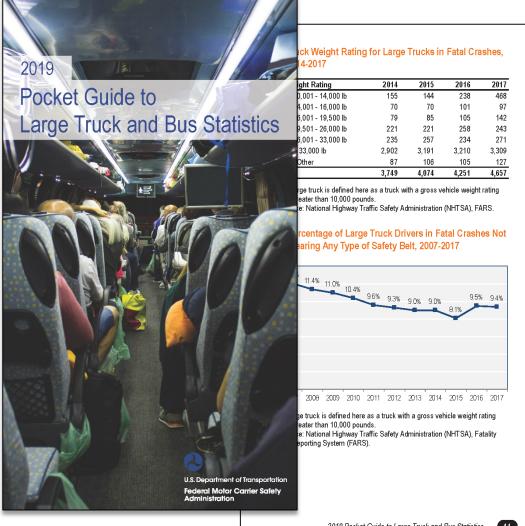
FY20 AMRP High Priority Projects:*

- Large Truck Crash Causal Factors Study
- Automated CMV Inspection Demonstrations and Evaluations
- Safety Performance of ADS-equipped CMVs and Electronically Controlled Braking Systems

Multi-modal and Government Collaborative Research Partners:

- OST-R's ITS Joint Program Office (ADAS)
- FHWA (CARMA, work zones)
- NHTSA (Truck Platooning Hazard Safety Analysis)
- MARAD (L4 Truck Port Applications)
- DOE Oak Ridge National Laboratory (Brake Testing)
- DoD Aberdeen Test Center (Testing Venue)

Now Available: 2019 Pocket Guide



2019 Pocket Guide to Large Truck and Bus Statistics now available for download:

https://www.fmcsa.dot.gov/safety/dataand-statistics/commercial-motorvehicle-facts

Submitting Research Ideas & Feedback

FMCSA is interested in your research ideas.

- Ideas can be submitted via FMCSA's "Research Idea Submission" webpage: https://www.fmcsa.dot.gov/safety/research-and-analysis/research-idea-submission
 submission
- Ideas can be emailed to <u>FMCSA_HOST@dot.gov</u>, where they will be directed as appropriate.

FMCSA wants your feedback for this event.

■ E-mail with link to published presentations, short 5-minute survey will be sent out after the event.

Contact information

Kelly Regal, Ph.D.

Associate Administrator, Office of Research and Information Technology Federal Motor Carrier Safety Administration U.S. Department of Transportation

E-mail: Kelly.regal@dot.gov

www.fmcsa.dot.gov/safety/analysis-research-technology