

High-Profile Projects and Programs: Applied Research Division



Applied Research Division

The Applied Research Division conducts **systematic studies** directed toward fuller scientific discovery, knowledge, and understanding that contribute to a **safe and secure commercial transportation system**.

Activities at a Glance



Develop and test new approaches and programs to improve education, opportunity, and safety



Conduct research studies to learn more about safety impacts and explore solutions to problems



Fund innovative research and development carried out by small businesses

Priority Program Areas



New Entrant Training and Testing Program

To educate new entrant motor carriers



Research Studies

Driver detention time; sexual harassment and assault; truck parking



Small Business Innovative Research Grants

Automated vehicles; driver readiness



R&T IDIQ Re compete

New 5-year multi-award contract

Addressing Pain Points Through Research Studies

Research studies help us:

- ✓ Answer specific questions to address issues or evaluate impact
- ✓ Assess opportunities
- ✓ Synthesize information for a comprehensive view
- ✓ Disseminate information and increase awareness

Select In-Progress Studies

Impact of Driver Detention Time on Safety and Operations

Status: Data collection & carrier recruitment

CMV Driver Sexual Assault and Sexual Harassment (SASH)

Status: Awarded – Westat team

Truck Parking Information Management Systems (TPIMS) Synthesis Study

Status: Producing guide

New Entrant Training and Testing Program



Purpose: Improve carrier understanding and adherence to regulations; foster a safety-first approach and reduce crashes

How it works: FMCSA will develop and test curricula and proficiency exams that new entrant motor carriers and applicant household goods motor carriers will need to pass before operating

Develop

Test

Evaluate

Small Business Innovation Research (SBIR) Program

Active FMCSA SBIR Projects

- Hazard Warning Devices for Automated CMVs
- Greenlight Readiness Assessment Technology
- PVT DriveFit Readiness Assessment Technology
- CMV Trailer Stability Sensor

Purpose: Encourage small businesses to address national transportation challenges by developing high-tech, innovative solutions.

How it works: Provides funding for research on CMV safety technologies with technical merit, feasibility, and commercial potential.



FMCSA Research & Technology IDIQ - Re compete

Planning Element	Acquisition Strategy
Scope	5-year period of performance
Government Estimate	\$50-75 million
Competitive Approach	Full and open competition
Contract Vehicle Approach	Multiple-Award IDIQ
Capabilities	'Total' versus 'Partial'

[-> SAM.gov - Notice ID: RFI-MC-RRR-24-RT-IDIQ-2023](#)

[-> USDOT Procurement Forecast](#)

FMCSA Research & Technology IDIQ - Re compete

