



Federal Motor Carrier Safety Administration

Commercial Vehicle Brake Safety Symposium

“Why do we need to be concerned about CMV Braking Systems?”

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Federal Motor Carrier Safety Administration

“Every 16 minutes someone is killed or injured in an accident involving a large truck...”



Federal Motor Carrier Safety Administration

“Brake-related problems were determined to be an associated factor in 29.4% of all large truck crashes.”



Mission

“To reduce crashes, injuries, and fatalities involving large trucks and buses.”

Regulations / Standards

- FMCSA enforces brake performance standards (49 CFR; Part 393.40 – 393.55)
 - Service, parking, and emergency brake systems
 - Brake line protection, tubing adequacy, and lining
 - Hydraulic, air, vacuum, and anti-lock brake systems
 - Brake performance; braking force, stopping distance
- NHTSA sets OEM standards

(For more information on NHTSA brake initiatives please visit www.nhtsa.dot.gov.)

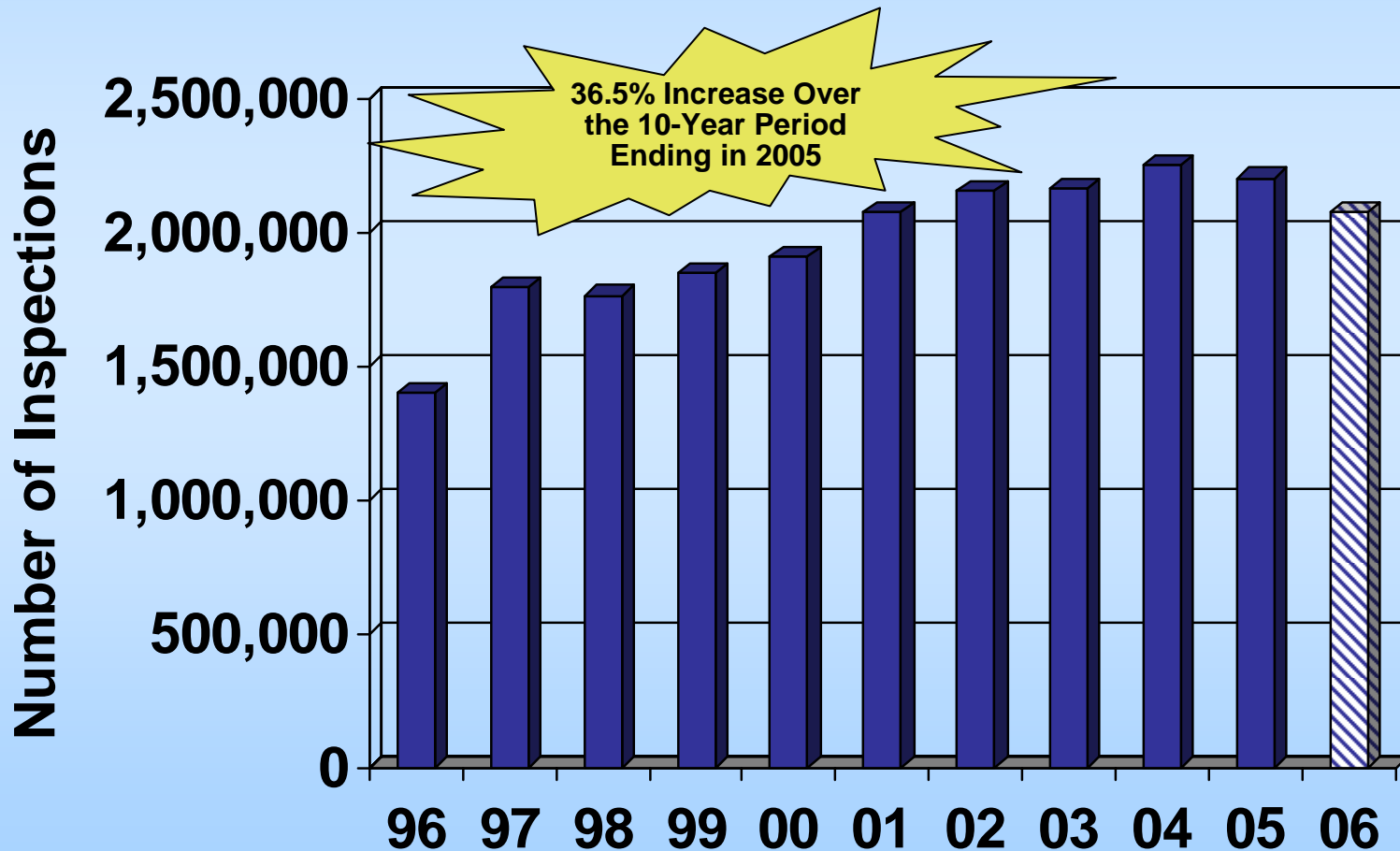


CMV Roadside Inspectors

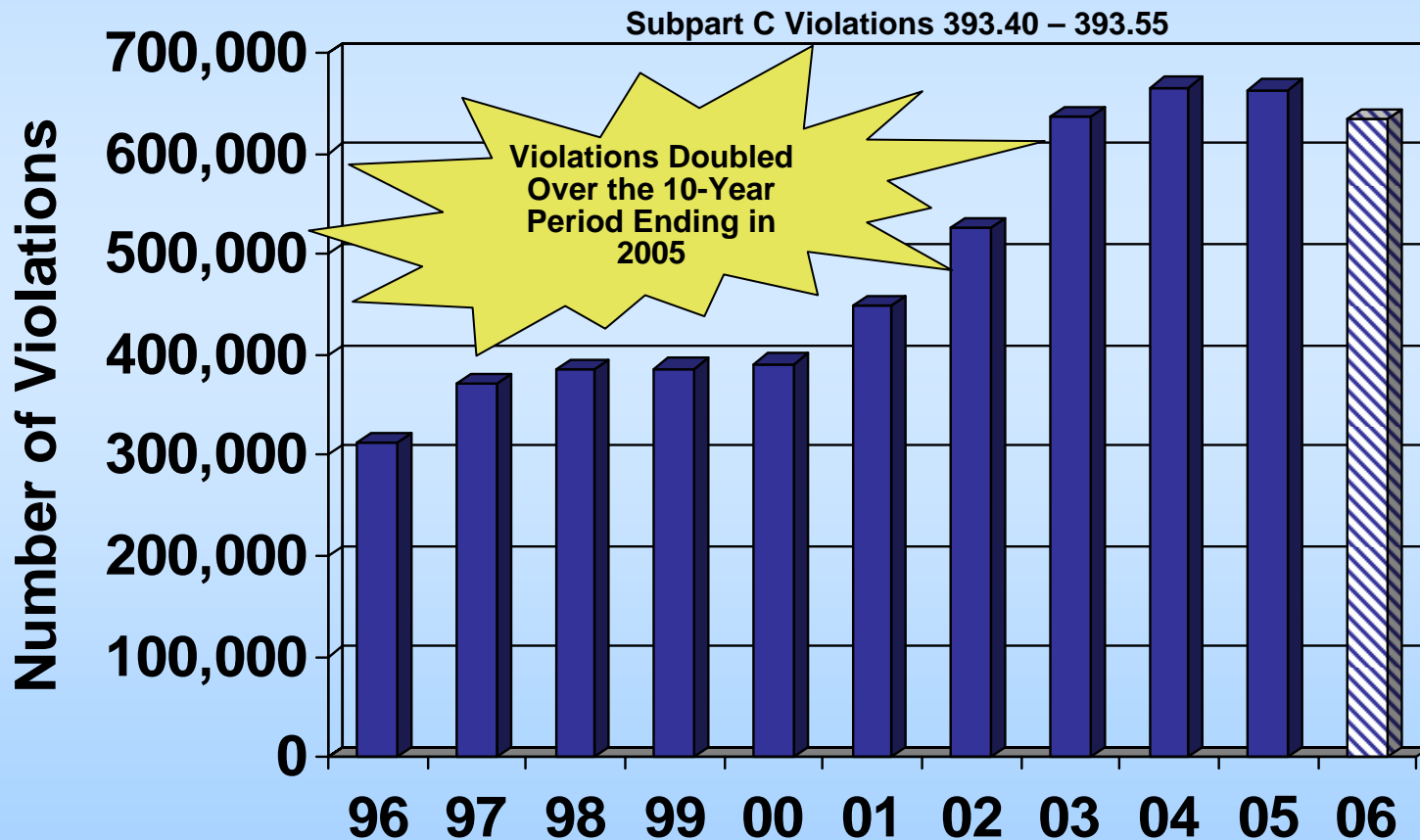
- 350 FMCSA Inspectors
- Over 12,000 State & Local Inspectors



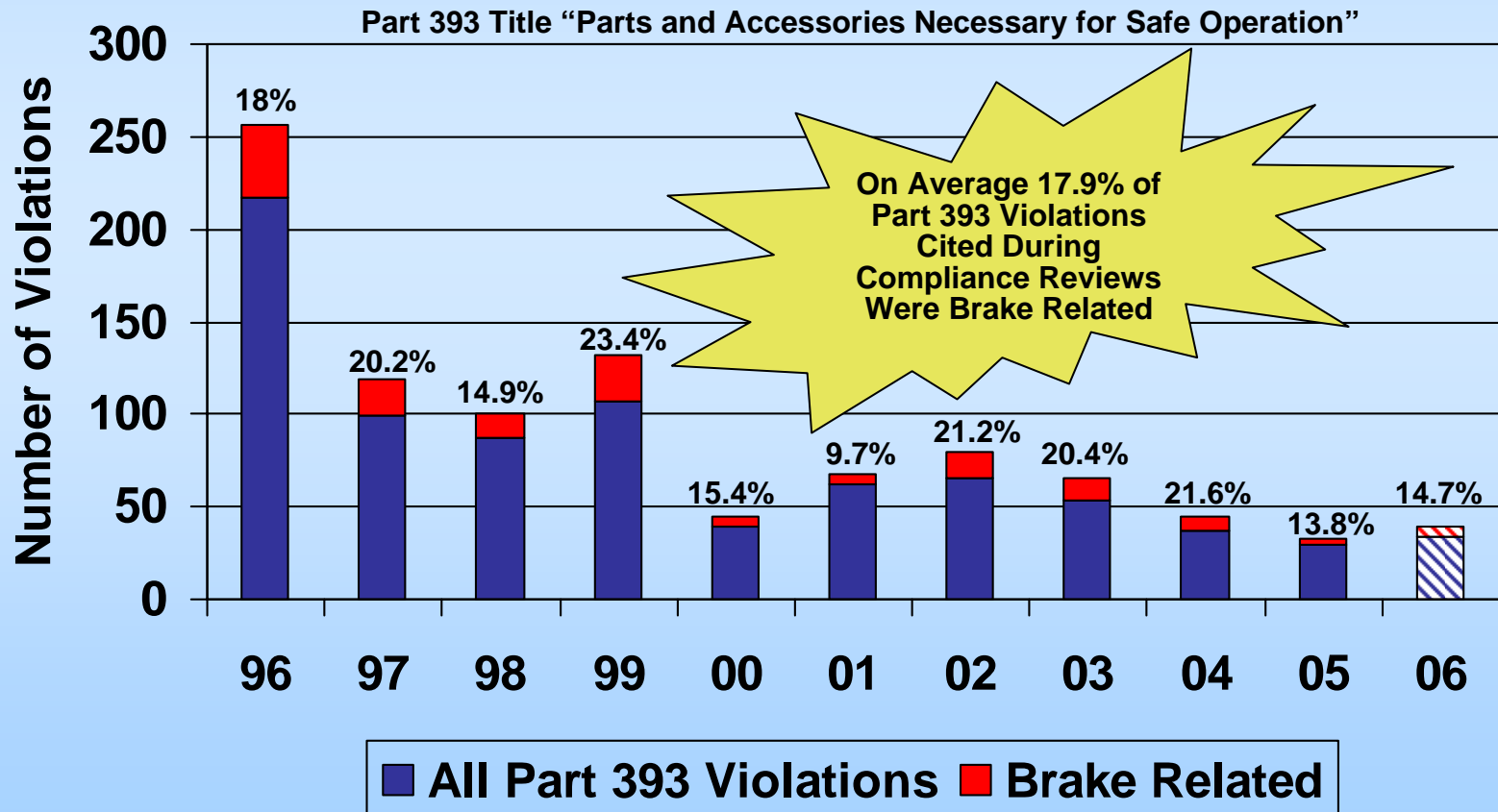
CMV Inspection Trends (1996 – 2006)



Brake Violation Trends (1996 – 2006)



Part 393 Violations Trend During Compliance Reviews (1996 – 2006)



FMCSA Brake Initiatives

- Thermal Imaging Inspection System Demonstration
 - Identify, in real time, faults and failures in tires, brakes, and bearings
- OOS Criteria for Performance Based Brake Testers (PBBT)
 - PBBT is a device that provides a quantitative and objective measure of braking capability
 - Use of PBBT as an OOS Criteria is anticipated to be voted on at the 2007 Spring CVSA meeting



FMCSA Brake Initiatives (cont.)

- **Final Rule on Surge Brakes for Trailers**
 - Final rule awaiting OMB approval
- **Brake Sensor Study**
 - Research advanced sensors and signal processors in trucks and tractor trailers
 - On-board sensors for brake system performance report completed
- **Brake Training for Inspectors / Maintenance Personnel Study**
 - Based on NTSB recommendations
 - Establish testing and certification requirements for persons who maintain or repair CMV brakes

Questions?

www.fmcsa.dot.gov