Truck and Bus Safety
CY 2015

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NTSB Activities 2014-2015

- Completed Investigations
- Most Wanted List
- On-Going Investigations
- Other projects
Mount Vernon, WA

- Bridge collapse
  - May 23, 2013
  - Interstate 5 over Skagit River
  - Oversize truck struck bridge

- Safety systems in place
  - Systems error
Oversized Load
Mount Vernon Safety Issues

- Permitting & route surveys
- Pilot/escort vehicle operations
- Commercial driver operations
- State practices for bridge strikes
- Low-clearance signage
Rosedale, MD, May 28, 2013

- Private railroad crossing
- Passive warning signs
- Mack truck travelling 10 mph
- Freight train traveling 49 mph
- Derailment and explosion
Accident Sequence of Events

Carrier Facility
Crossing 140831J
Mack Truck
CSXT Freight Train
Access road
Lake Drive

North
Carrier Facility

275 ft

NTSB
Rosedale Derailment
Post Accident Explosion and Injuries
Safety Issues

- Responsibilities at Grade Crossings
- Hands-Free Cell Phone Use
- Safety at Private Grade Crossings
- FMCSA Oversight
Highway Most Wanted List 2015

- Reduce Impaired Driving
- Reduce Distracted Driving
- Improve Safety in Mass Transit
- Improve Medical Certification
- Improve Trucking Safety
Orland CA, April 10, 2014

- 2014 Setra
- 53-year-old driver
- 3 chaperones, 42 students
- Northbound on I-5

- 2007 Volvo truck tractor
- 2 28-ft trailers
- 32-year-old driver
- Southbound on I-5
Issues Being Explored

• Median crossover crashes
• FedEx driver
• Event Data Recorders
• Pre-trip safety briefings, seatbelt use
• Motorcoach emergency egress
• Motorcoach flammability
Davis, OK Overview

- Friday, Sep 26, 2014 @ 9:05 p.m.
- Interstate 35 (I-35) in Oklahoma
- 2013 Peterbilt Combination Unit
- 2008 Champion Medium-size Bus
- 2 drivers, 15 passengers
- 4 fatalities
Final rest of tractor trailer

Final rest of midsize bus

Point at which tractor trailer entered the southbound travel lanes

Tire marks in median

Point at which tractor trailer departed the northbound travel lanes
Post-crash Travel of the Truck
2008 Chevrolet Champion Bus
Issues Being Explored

- Cross-over median crashes
- Median barrier use
- Medium-size bus construction
- Pre-trip briefings
- Truck driver 72-hr history (drug use)
Cranbury, NJ Overview

- Saturday, June 7, 2014 @ 1:00 a.m.
- New Jersey Turnpike (I-95)
- 2011 Peterbilt with a semitrailer
- 2012 Mercedes Limo Van
- 6 drivers, 21 passengers
- 1 fatality
2011 Peterbilt Combo Vehicle
3D Scanner Documentation
Issues Being Explored

- Fatigue
- Work zone safety
- Truck speed
- Restraint Usage
- Forward Collision Warning System
- Limo Van Construction - Modifications
Other 2015 NTSB Truck /Bus Projects

- Special Investigative Reports
  - Bus onboard videos
  - Rear end collision prevention