National Transportation Safety Board

Concan, Texas
March 29, 2017

David Rayburn

Concan, Texas

- ## 2007 Dodge Ram pickup
  - 20-year-old driver
  - Northbound

- ## 2004 Ford Turtle Top Van Terra bus
  - 13 passengers
  - 66-year-old driver
  - Southbound

Crash Sequence and Scene

- Truck crossed centerline
- Struck left front of bus
- Witnesses reported bus operating safely
- Bus speed 60–62 mph
- Speed limit 70 mph

NTSB

Precrash Video of Truck Operation

- Cell phone video of truck
- Crossed edgeline 37 times
- Crossed centerline 19 times
- Outside travel lane 67% of time
- Estimated speed of truck: 69 mph

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Bus Damage

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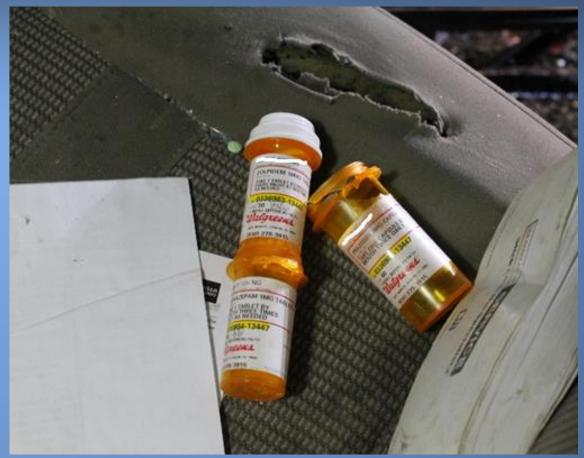# Truck Damage

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Drugs Found in Truck

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Injury Information

- Fatalities (13)
  - Bus driver
  - 12 bus passengers

- Serious injuries (2)
  - Truck driver
  - 1 bus passenger

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On-Scene Staff

- Jennifer Morrison   Investigator-in-Charge

- David Rayburn   Highway Factors

- Rafael Marshall, PhD   Human Performance

- David Pereira   Vehicle Factors

- Ronald Kaminski   Survival Factors

- Michele Beckjord   Survival Factors

- Kris Poland, PhD   Biomechanics

- Robert Squire   Crash Reconstruction

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Report Development Staff

- Don Karol   Project Manager
- Tom Barth, PhD   Survival Factors Support
- Debbie Stocker   Editor
- Julie Perrot   Safety Recommendations
- Ivan Cheung, PhD   Data/Mapping Graphics
- Alice Park   Video Graphics
- Dr. Nicholas Webster   Medical Officer
- Dan Horak, PhD   Video Analysis
- Jane Foster   Recorders Specialist

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Parties to Investigation

- Texas Department of Public Safety

- Texas Department of Transportation

- Freedman Seating Company

- Turtle Top, Inc.

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Noncontributing Factors

- Qualification and familiarity with vehicles/roadway

- Highway and weather

- Mechanical condition of either vehicle

- Bus driver medical condition, fatigue, impairment by alcohol or other drugs, or cell phone distraction

- Truck driver cell phone distraction

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Safety Issues

- Drug-impaired driving
  - Detection of drug-impaired drivers
  - Drug-impaired driving countermeasures
- Medium-size bus seat belt systems

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