



**NTSB** National Transportation Safety Board

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*Office of Highway Safety*

# Human Performance Factors

Dennis Collins

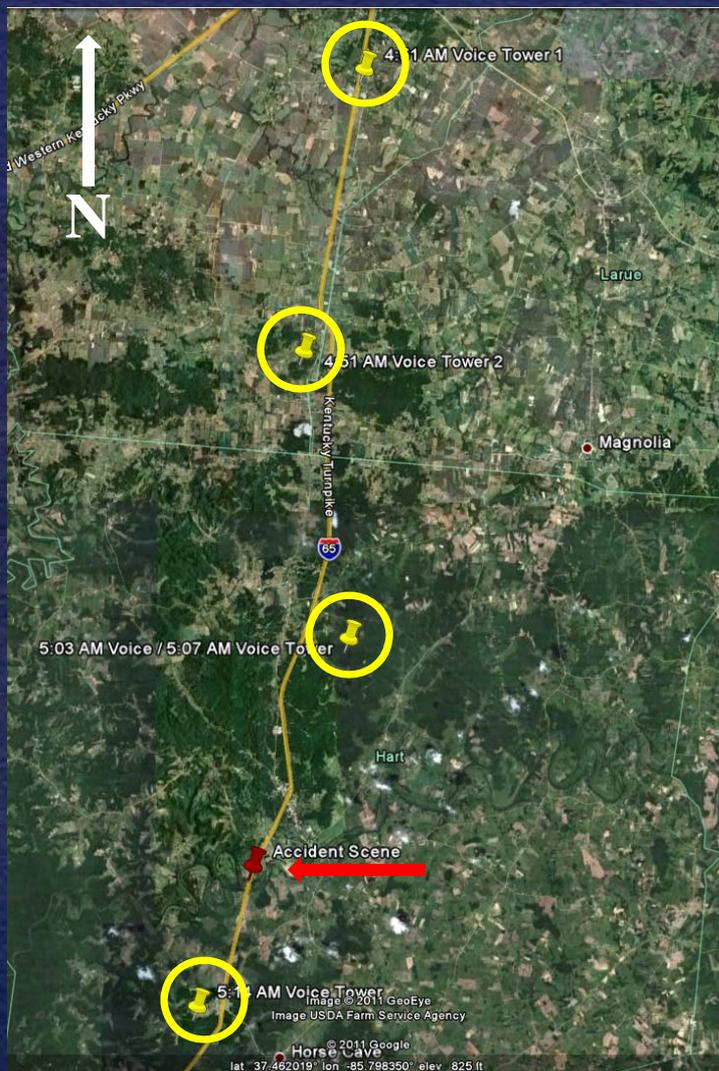
# Driver Information

- Current license and medical card
- With Hester for about 3 months;  
21 years' experience driving  
commercial motor vehicles
- No evidence of drug/alcohol use
- No evidence of medical issues

# Cellular Telephone Use

- 161 data, text, or voice connections
- 69 connections while driving
- Several calls on the morning of the accident

# Calls on Accident Morning



- 4:51 a.m. call on two towers
- 5:03 and 5:07 a.m. calls on one tower
- 5:14 a.m. call on final tower
- Final call connected less than 1 second
- Six “callbacks” in 16 minutes

# Cellular Telephone Use

- Departure angle indicates drift, not steering
- Research shows distraction impairs driving performance
- Distracted by use of cellular phone
- Previous accident - Alexandria, VA
- FMCSA proposed rulemaking

# Fatigue Considerations

- Previous night's sleep
- Time of day
- Time awake and on task
- Sleep disorders

# Fatigue

- Previous night's sleep and time of day indicate fatigue
- Cumulative sleep loss, time awake/on-task, and sleep disorders do not indicate fatigue
- Driver was fatigued, which may have contributed to distraction

# Summary

- Repeated use of cell phone when driving
- Evidence consistent with distraction
- Fatigued, may have contributed to distraction
- Proposed recommendations to:
  - FMCSA
  - 50 states and D.C.



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