

Federal Motor Carrier Safety Administration  
Office of Analysis, Research and Technology

# Defensive Driving Tips for CMV Drivers: An Internet-Based Approach

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- ◆ Wyle Information Systems implemented the web content
  - **Ed Miller** and **Joon Song**

# Input from subject matter experts

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- ◆ Gordon Trucking (**Scott Manthey**)
- ◆ DriveCam (**Del Lisk**, formerly of Smith System)
- ◆ Drivers providing consent to use their videos made this project possible

# Presentation Overview

- ◆ Background on “driver error”
- ◆ Project overview
- ◆ Deliverables
- ◆ Webpage walk-through

# Driver as Critical Reason

- ◆ Large Truck Crash Causation Study (LTCCS) reports that large trucks were assigned the critical reason in 55% of cases
- ◆ Driver reasons accounted for 87% of those cases
- ◆ “Driver Error” is the primary contributing factor in crashes
- ◆ Goal of Website:
  - To provide information to drivers to address and help minimize driver errors

# Project Overview

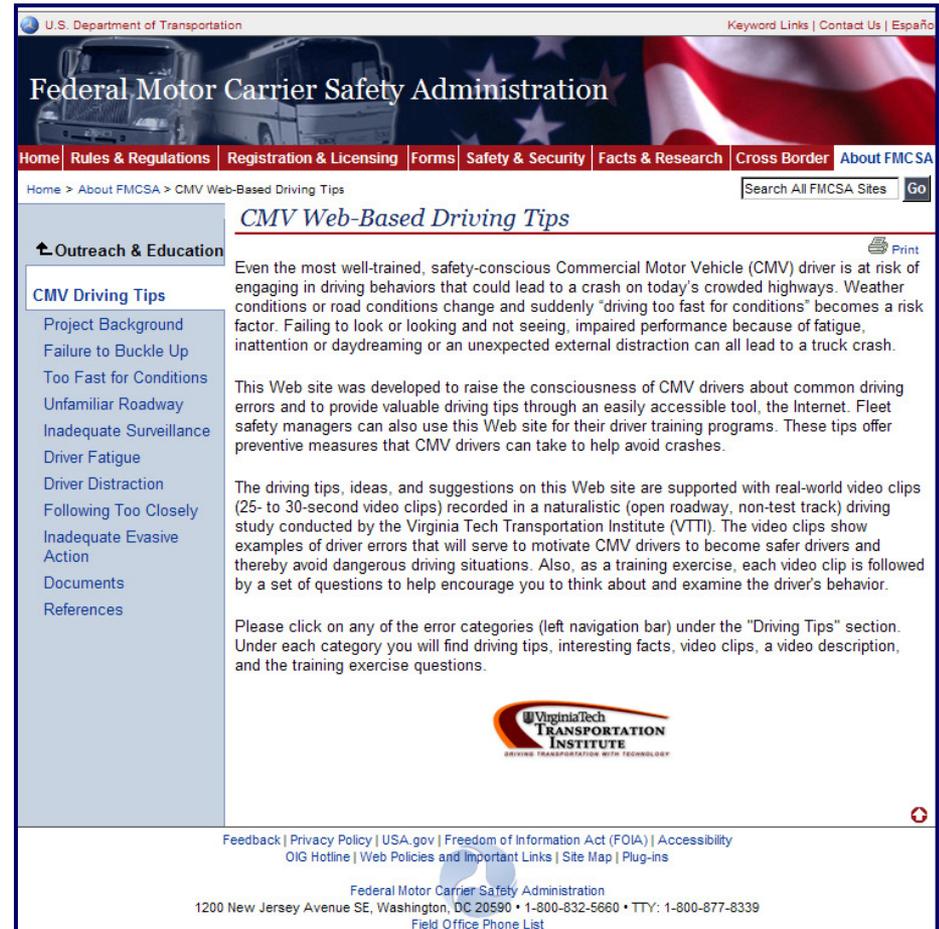
- ◆ Use the LTCCS critical reason framework to organize the webpage content
- ◆ Synthesize defensive driving safety information from the literature
  - The goal of the current project was to supplement those programs, not replace them

# Project Overview, continued

- ◆ Generate video examples from “naturalistic” studies
  - Asked drivers in the videos for their permission to use them on the webpage
- ◆ Provide ideas and tips to fleet safety managers and CMV drivers via webpage
- ◆ Include webpage on FMCSA website

# Project Deliverables

- ◆ Final Report that includes the literature review and describes the web content development process
- ◆ CMV Web-Based Driving Tips webpage



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### CMV Web-Based Driving Tips

Print

Even the most well-trained, safety-conscious Commercial Motor Vehicle (CMV) driver is at risk of engaging in driving behaviors that could lead to a crash on today's crowded highways. Weather conditions or road conditions change and suddenly "driving too fast for conditions" becomes a risk factor. Failing to look or looking and not seeing, impaired performance because of fatigue, inattention or daydreaming or an unexpected external distraction can all lead to a truck crash.

This Web site was developed to raise the consciousness of CMV drivers about common driving errors and to provide valuable driving tips through an easily accessible tool, the Internet. Fleet safety managers can also use this Web site for their driver training programs. These tips offer preventive measures that CMV drivers can take to help avoid crashes.

The driving tips, ideas, and suggestions on this Web site are supported with real-world video clips (25- to 30-second video clips) recorded in a naturalistic (open roadway, non-test track) driving study conducted by the Virginia Tech Transportation Institute (VTI). The video clips show examples of driver errors that will serve to motivate CMV drivers to become safer drivers and thereby avoid dangerous driving situations. Also, as a training exercise, each video clip is followed by a set of questions to help encourage you to think about and examine the driver's behavior.

Please click on any of the error categories (left navigation bar) under the "Driving Tips" section. Under each category you will find driving tips, interesting facts, video clips, a video description, and the training exercise questions.

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<http://www.fmcsa.dot.gov/about/outreach/education/driverTips/index.htm>

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