

Locomotive Digital Video  
Recording System  
*Data Privacy Issues*

SAE/NTSB

June 4, 2003

Alexandria, Virginia

# “RailView” Data Privacy Issues

- Both RailView and the locomotive event recorder collect the following data:
  - Direction
  - Speed
  - PC
  - Horn

# Additional RailView Inputs:

- Video
  - Standard off-the-shelf camera
  - Monochrome
  - Video capture rate
  - Mounting location
  - Field-of-view

# Additional RailView Inputs:

- Audio
  - External microphone
  - Mounting location
  - Horn, bell, air, and other sounds

# Implementation Issues:

- Labor/management buy in
- Labor concerns
- Field inspection and handling
- Training: claims/operations

# Observation/Experience

- Two year collection of 100 incidents
- Trespasser/suicide, grade crossing, fouling
- Various field reports have conflicting information
- The audio/video tells “the rest of the story”

Load Data

c:\Presentation\RV307H\_11142002\_1437.bin



7: 11/14/2002 14:41:48 - 14:42:54 = 0h 01m 06s



PC

HORN

FWD

35 mph

11/14/2002 14:42:22

Video Step Interval

- 1/4 sec/frame
- 1/2 sec/frame
- 1 sec/frame
- 2 sec/frame
- 5 sec/frame
- 10 sec/frame
- 30 sec/frame
- 1 min/frame
- 2 min/frame
- 5 min/frame
- 10 min/frame

Enhance Images

Save Image

RV Offline

Unit #307



Start Capture