



National
Transportation
Safety Board



What's new in Safe School Transport?

Bruce Landsberg – Vice Chairman, NTSB

Background check

- Attended NAPT in CMH – and heard my speech
- Attended NAPT in CMH – but were checking Facebook
- Did not attend CMH.

NTSB - Objectives

- **What** happened – The **investigation**
- **Why** it happened – make **recommendations**
- **Conduct safety studies and reviews**
- **Prevent future occurrences – advocacy !!**

GO Team – the investigation

- Launch: 4-24 hours
- IIC, additional support as req'd
- On scene: approx. 3-6 days
- Preliminary: 1-2 weeks
- Factual: 8 – 24 months
- Final: 24 months



Pop Quiz – “Crash” vs “Accident ?”

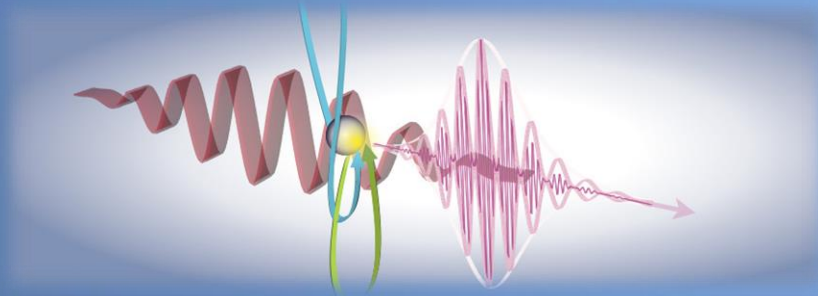


Whence Recommendations ??

- Data from crashes or special report
- Staff Reviews – (Discussion & Modification)
- Board Approves – (Arm Wrestling/Modification)

What hasn't changed since last year ????

- Shortest measurable period of time ?



The Zeptosecond ???



What hasn't changed

- Pauli's Exclusion Theory

**Don't try this at home
or with your Bus !!!!**



What hasn't changed

- Driving Impaired – Alcohol or Drugs
- OTC, Prescription or Recreational
- **Federal Law Applies** if a CDL is required

Y'all be careful ...



Fit to Drive ?



It's Not Just Driving....



Fit to Drive ??



Oakland, IA

What hasn't changed



Pass Physical Performance Test

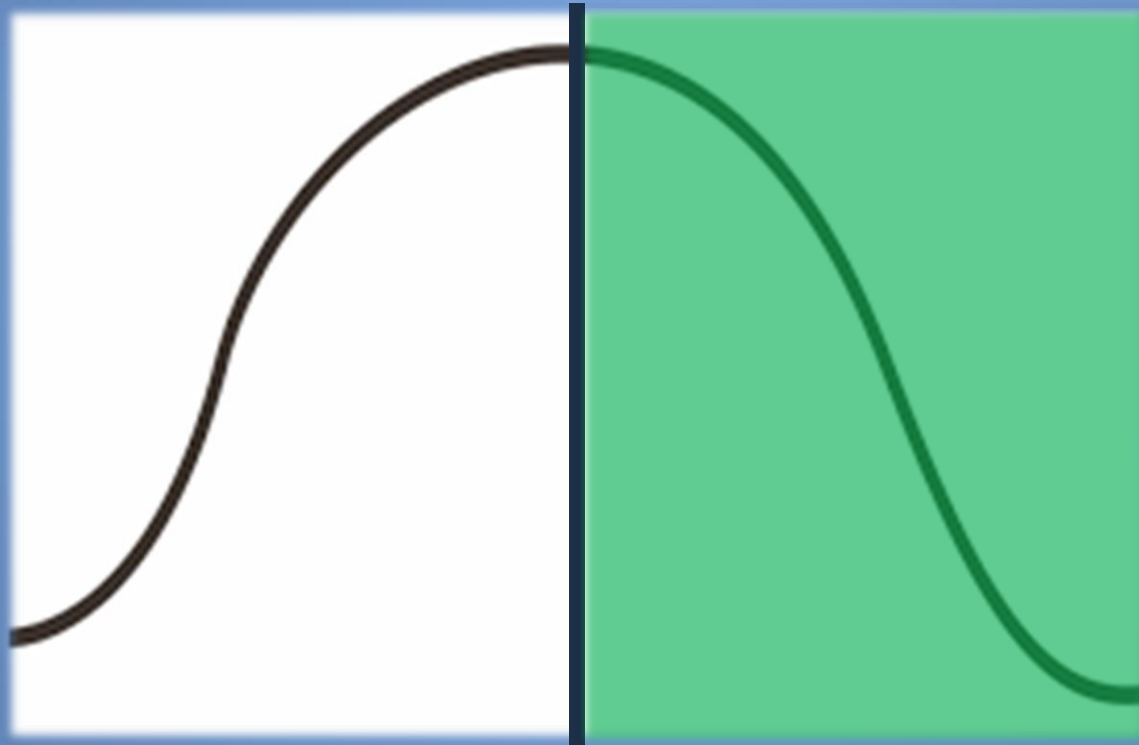
Recommendations – Just DO IT!!!!

- Drivers **must** be fit – at **least** annual testing



Physically
Medically
Emotionally

We're all better than that

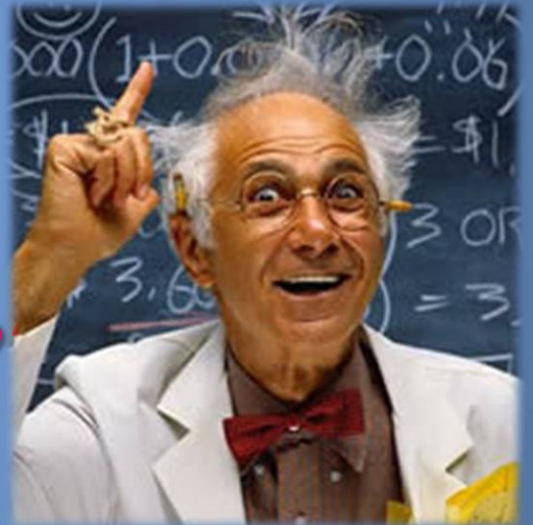


What hasn't changed

- Dunning - Kreuger Effect is still in effect

Illusory Superiority (Dunning-Kruger Effect)

- Anything you can do.....
- 94% of Professors are above average?
(According to them)
- Drivers, Managers, Attorneys, etc ?????



Dunning-Kreuger Applies to Organizations Too!



Applies to School Districts, Bus Companies, Regulators

Stop Arm Violations - 2018

a) 68, 247

b) 32, 122

c) 83,944

d) A Lot!!!

a) One Quarter

b) One Month

c) All of 2018

d) None of the Above

83, 944 violations EVERY DAY !!!!!

83, 944 / 4 hours = ~21,000 Violations / hour

21,000 / 240 minutes = 87 violations / minute

Changed: Fewer numbers but the problem remains!

Stop Arms work....



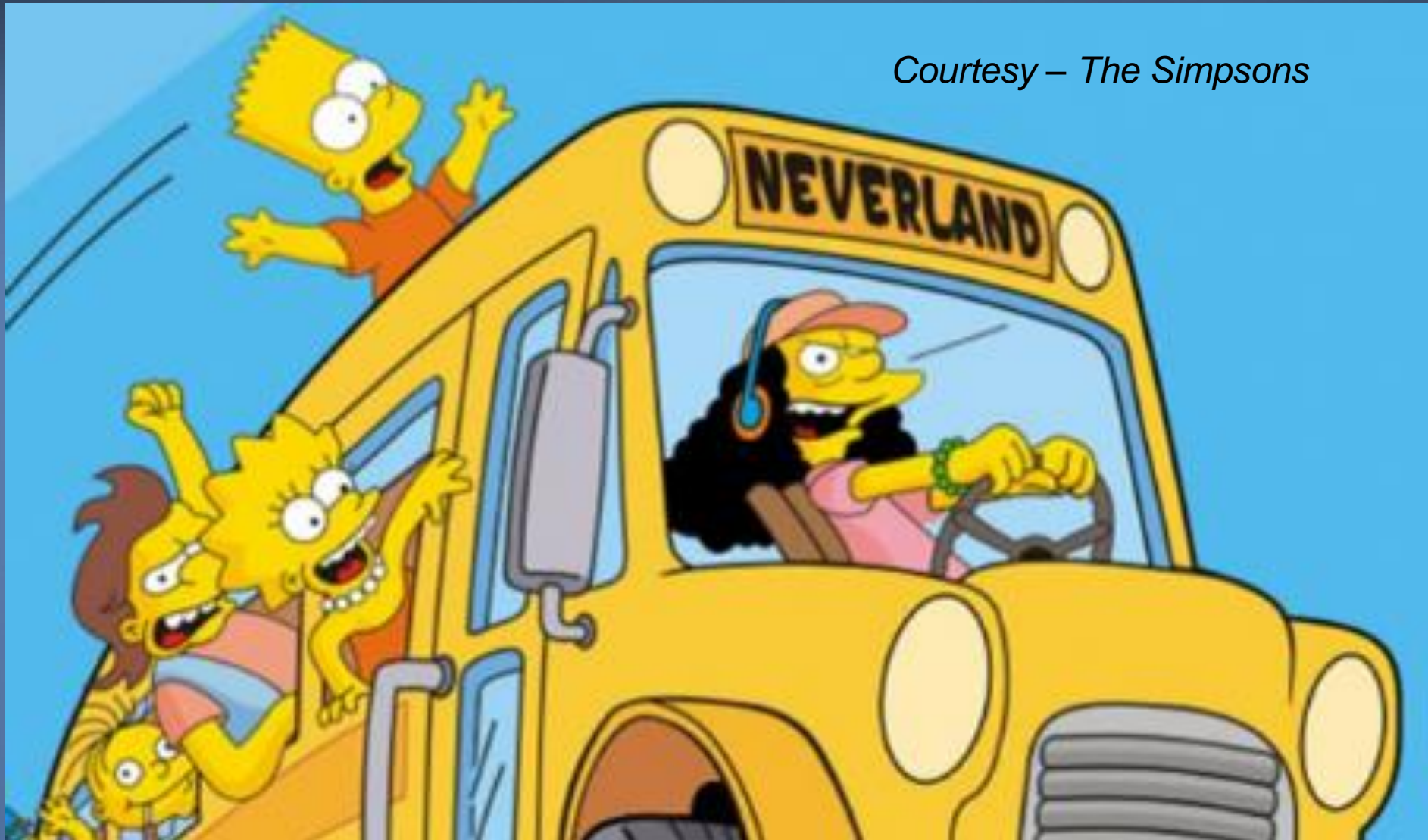
More jurisdictions are going to stop arm cameras



Stops: Photo Enforced



What hasn't changed ---- Distraction



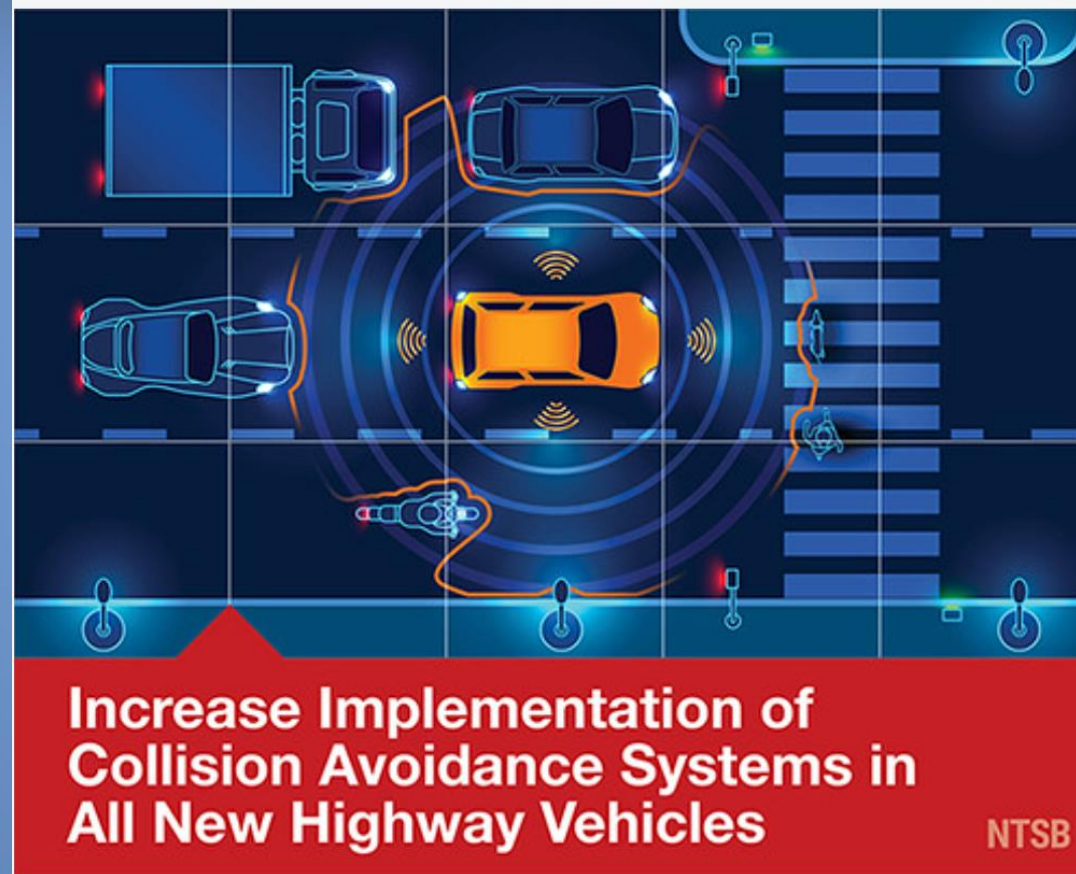
What has changed



What hasn't changed



Great Idea !!!!!

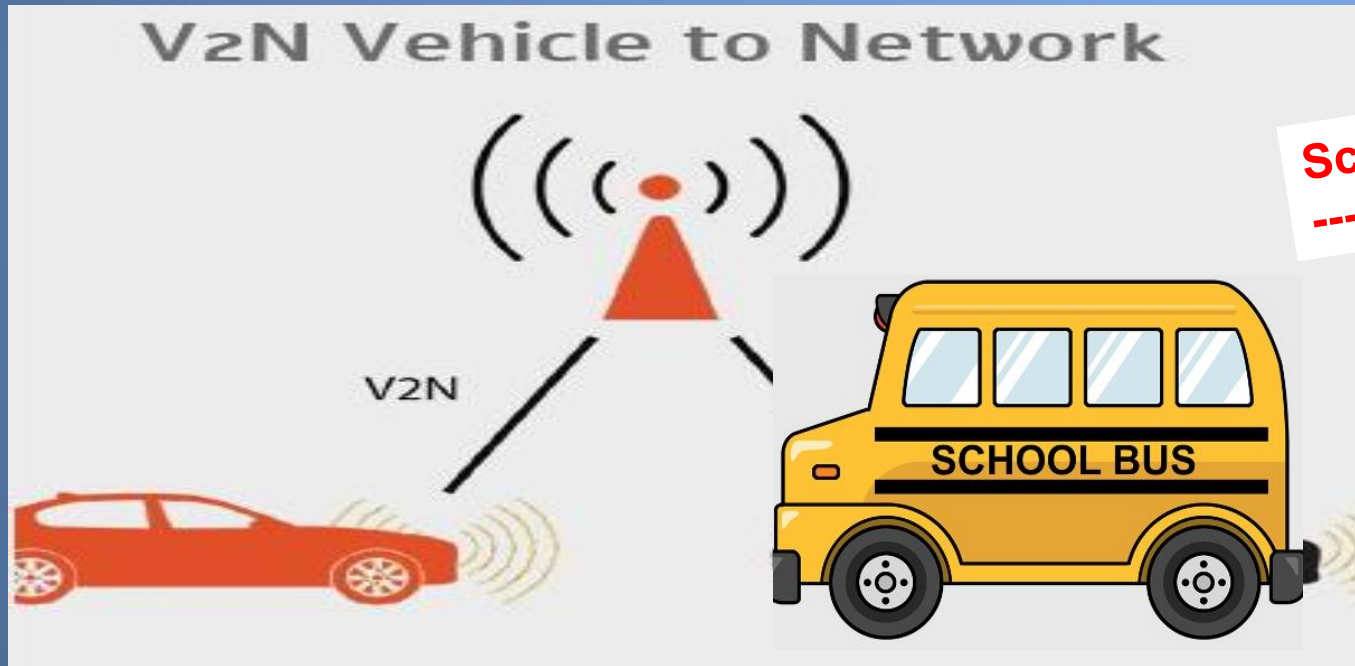


Technology – Lots of it !!!!



More and it's *generally* improving

Technology – Something new !!!



School Bus Ahead
--- Stop Dummy !!!!

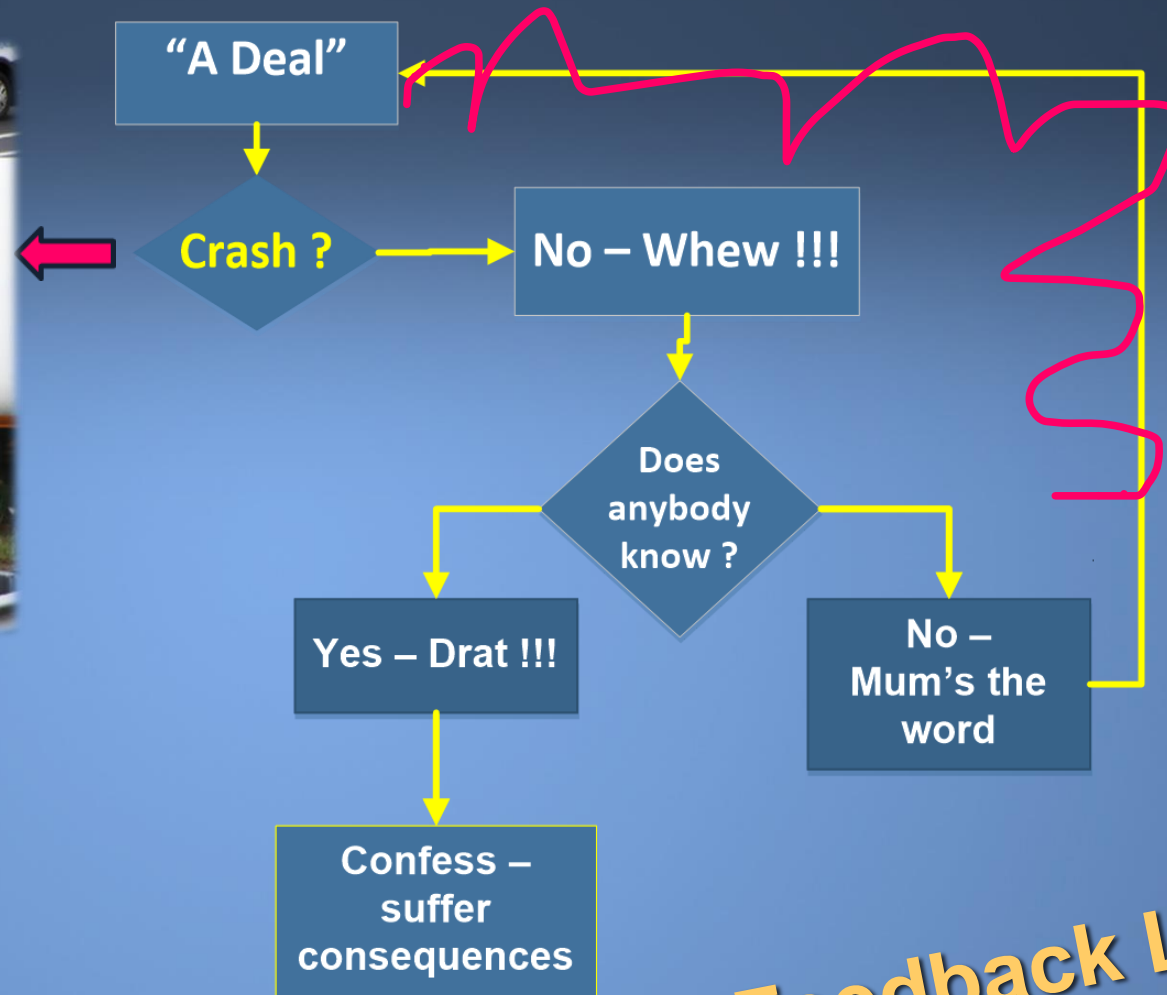


Recommendations – Just DO IT!!!!

- 3-point safety belts



Does your district require 3-point belts????



Wrong Feedback Loop !!

Safety Management System - SMS

Non-punitive



Recommendations – Just DO it !!

- Train students to operate **& practice** on all exits



Recommendations – Just DO IT!!!!

- Fire Suppression Systems



What hasn't changed



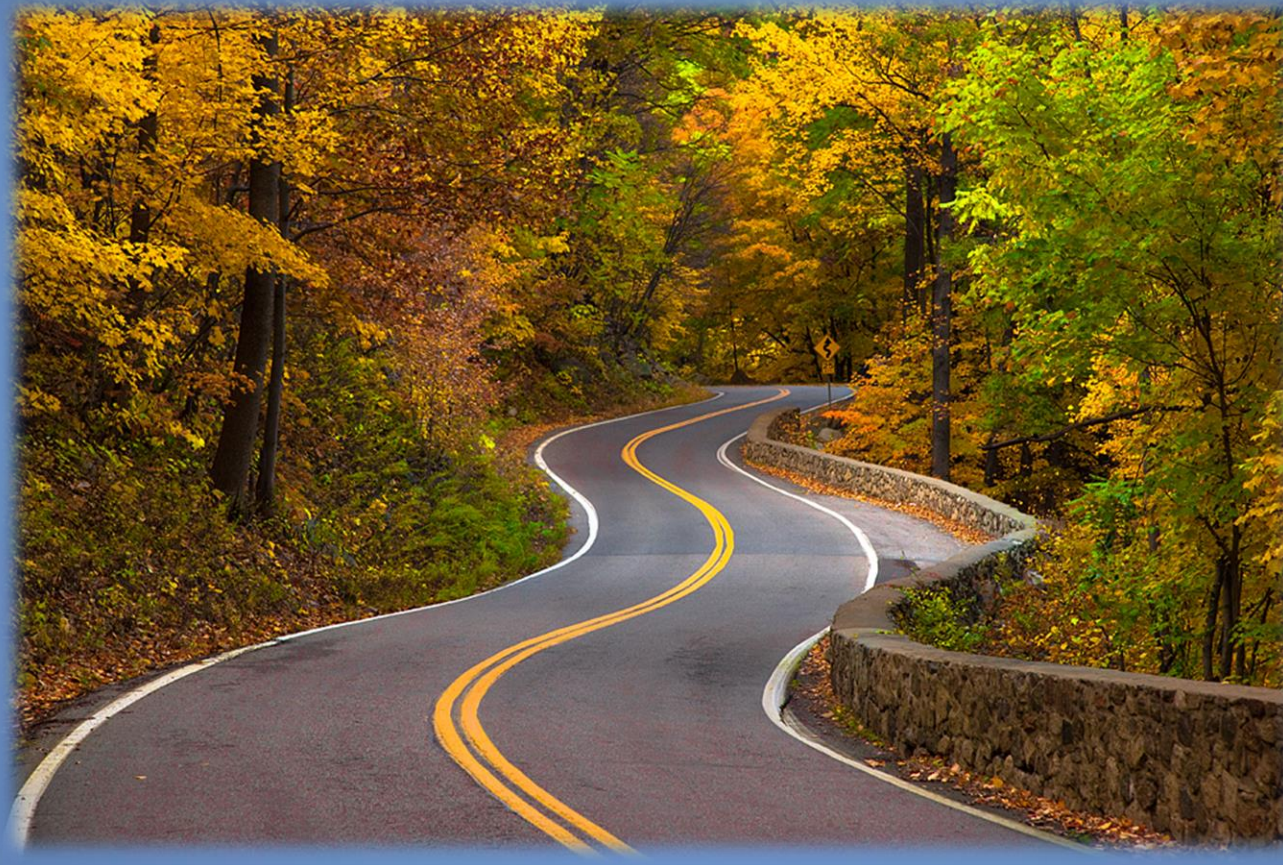
Need for Initial & Recurrent Training

Takeaways – Same as last year !!!

- Beware Dunning – Krueger : We can ALL improve!!!
- Fatigue, Fitness (Meds & Physical) & Distraction
- Create a CULTURE of Excellence – SMS
- Technology – It's coming but when & how ?????
- NTSB Recommendations – 3 point belts, fire suppression, initial & recurrent training.

What's YOUR Plan ?

Looking Ahead !!!



Safety isn't everything --- It's the
ONLY thing !





National Transportation Safety Board

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