 **TOWARD
ZERO**

DEATHS

The Toward Zero Deaths approach is based on the belief that even one traffic-related death on our roads is unacceptable. Minnesota has identified zero deaths as a core objective in their Strategic Highway Safety Plans.

The goal of this workshop presentation is to provide some perspective for the 4Es on commercial motor vehicles, and how to bridge the gap between the professional commercial vehicle driver and our drive towards zero traffic deaths.



QUIZ!

How many commercial motor vehicle involved fatalities did Minnesota have in calendar year 2017?

- A. 38
- B. 49
- C. 60
- D. 73
- E. 93









EMS Considerations..... Millions of angry bees





ONTARIO
180767
ALBERTA
180721
BRITISH COLUMBIA
230108
SASKATCHEWAN
180175
MANITOBA
180175
QUEBEC
180175
NEW BRUNSWICK
180175
NEWFOUNDLAND
180175
PRINCE EDWARD ISLAND
180175
YUKON
230108
NORTHWEST TERRITORIES
180175
NUNAVUT
180175
CANADA



WE CAN BE TARGETS TOO



WE CAN BE TARGETS TOO



27% of work zone crashes on a national level involve a CMV



NATIONWIDE VS MINNESOTA

- Nationwide increase of 6% in CMV fatalities
(despite an overall 2% decrease)
- Nationwide – 72% killed are in other vehicles
- Minnesota – 94% killed in multi unit crashes were other vehicles
- Minnesota – 78% of CMV fatalities occur in rural areas
- Minnesota – 77% of CMV crashes occur between 0600 and 1800, Monday thru Friday



QUIZ!

How many commercial motor vehicles are currently registered in Minnesota?

- A. 163,000
- B. 241,000 ←
- C. 783,000
- D. 1.1 million
- E. 2.5 million ←



COMMERCIAL MOTOR VEHICLES



Is This Is A CMV?



COMMERCIAL MOTOR VEHICLES



Is This Is A CMV?



COMMERCIAL MOTOR VEHICLES



Is This Is A CMV?



CMV DEFINITION - MINNESOTA

- A vehicle or combination of motor vehicles used to transport passengers or property if the vehicle:
- Has a gross vehicle weight (GVW) greater than 26,000 lbs
- Has a towed unit GVW greater than 10,000 lbs and the combination weight is greater than 26,000 lbs
- Is a bus
- Any size vehicle used to transport a placardable amount of Hazardous Materials
- Is outwardly equipped and identified as a school bus



CMV DEFINITION – FEDERAL (ADOPTED)

- Self propelled or towed motor vehicle used in interstate commerce (furtherance of business)
- Has a GVWR or GCWR or GVW or GCW of more than 10,000 lbs
- Designed or used to transport more than 8 passengers including driver for compensation
- Designed or used to transport more than 15 passengers including driver not for compensation
- Used to transport placardable amount of Hazardous Materials



WHAT IS GROSS VEHICLE WEIGHT?

The GREATER of:

- the unloaded weight of a vehicle or the unloaded weight of a truck-tractor and semitrailer combination, plus the weight of the load; or
- the value specified by the manufacturer as the maximum gross weight or gross vehicle weight rating.

*MS 169.011, subdivision 32



WHAT IS GROSS VEHICLE WEIGHT?

Where to find the Gross Vehicle Weight Rating?

check around the driver's door area for the VIN sticker

INCOMPLETE VEHICLE MANUFACTURED BY
FORD MOTOR COMPANY
MADE IN U.S.A 5808L
GVWR: 56000 LB / 25401 KG
VEHICLE IDENTIFICATION NUMBER
1FDZY82E0SYA74396



EU 58
EXTERIOR PAINT COLORS | DISTRICT | DSO
HB | TYPE-GVM | BODY | TRANS | AXLE
239 Y82560 8 4Q
FGAWR 16000LB RGAWR 40000LB

F2HT-60204A10-00

MANUFACTURED BY KP4011
Hesse Corporation
Kansas City, MO 6
DATE OF MANUFACTURE
INCOMPLETE VEHICLE MANUFACTURED BY
Navistar International Tr.
DATE INC. VEH. MFD. 6
GVWR 32,200#
GAWR FRONT 11,000#
11R22.5 Bridgestone G
22x7.5 rims @ 85 psi cold
GAWR INTERMEDIATE (1)
rims @ psi cold
GAWR INTERMEDIATE (2)
rims @ psi cold
GAWR REAR 21,200#
11R22.5 Bridgestone G
22x7.5 rims @ 90 psi cold

STOPPING COMMERCIAL MOTOR VEHICLES

Keep it simple.....

- Choose a safe stopping location
- Driver's license and reason for the stop
- Log book? Health Card?
- Keep eyes and ears open and don't let yourself be overwhelmed. Stick to what you know.



The image shows a 'DRIVER'S DAILY LOG' form, which is a document used for recording driving hours and activities. A large red prohibition sign (a circle with a diagonal slash) is overlaid on the form, indicating that this form is not to be used or is prohibited.



ENFORCEMENT

- Speed
- Seatbelt
- Distraction
- Impairment



ENFORCEMENT

Speed

- 55 miles per hour = 80 feet per second
- 65 miles per hour = 95 feet per second

Two lane highway in greater Minnesota.....



ENFORCEMENT

Two lane highway in greater Minnesota.....



ENFORCEMENT

Two lane highway in greater Minnesota.....

**80,000 pound CMV, with air brakes under ideal conditions:
335 feet stopping distance at 55 miles per hour
525 feet at 65 miles per hour**



ENFORCEMENT

Seatbelts

- Nationwide compliance = 84%
- 39% of CMV drivers killed in fatal crashes are not belted
- 80% of the industry wide fatalities are a result of traffic crashes



ENFORCEMENT

Distraction

- 2011, feds adopted into regulation “hands free” for CMV drivers
 - 49 CFR 392.80 (texting)
 - 49 CFR 392.82 (one touch dialing)
- Over 600 CMV inspections initiated due to cellphone use in Minnesota last year



QUIZ!

Impairment

– A CMV driver can legally operate up to what BAC Level?

- A. .00 ←
- B. .04 ←
- C. .06
- D. .08



ENFORCEMENT

Impairment

- It is illegal to operate a CMV above .00 (49 CFR 392.5)
- DWI law in MN applies to vehicles above 26,000 pounds (169A.20(1)(6))
- It is illegal to operate a CMV while in possession of alcohol that is not a part of the manifested load (49 CFR 392.5)



ENFORCEMENT



UNSAFE EQUIPMENT?



M.S. 169.47

06/04/2018



PASSENGER VEHICLE ENFORCEMENT



FWD +0.05

LAT -0.04



TIME -11.25

63 MPH 101 km/h



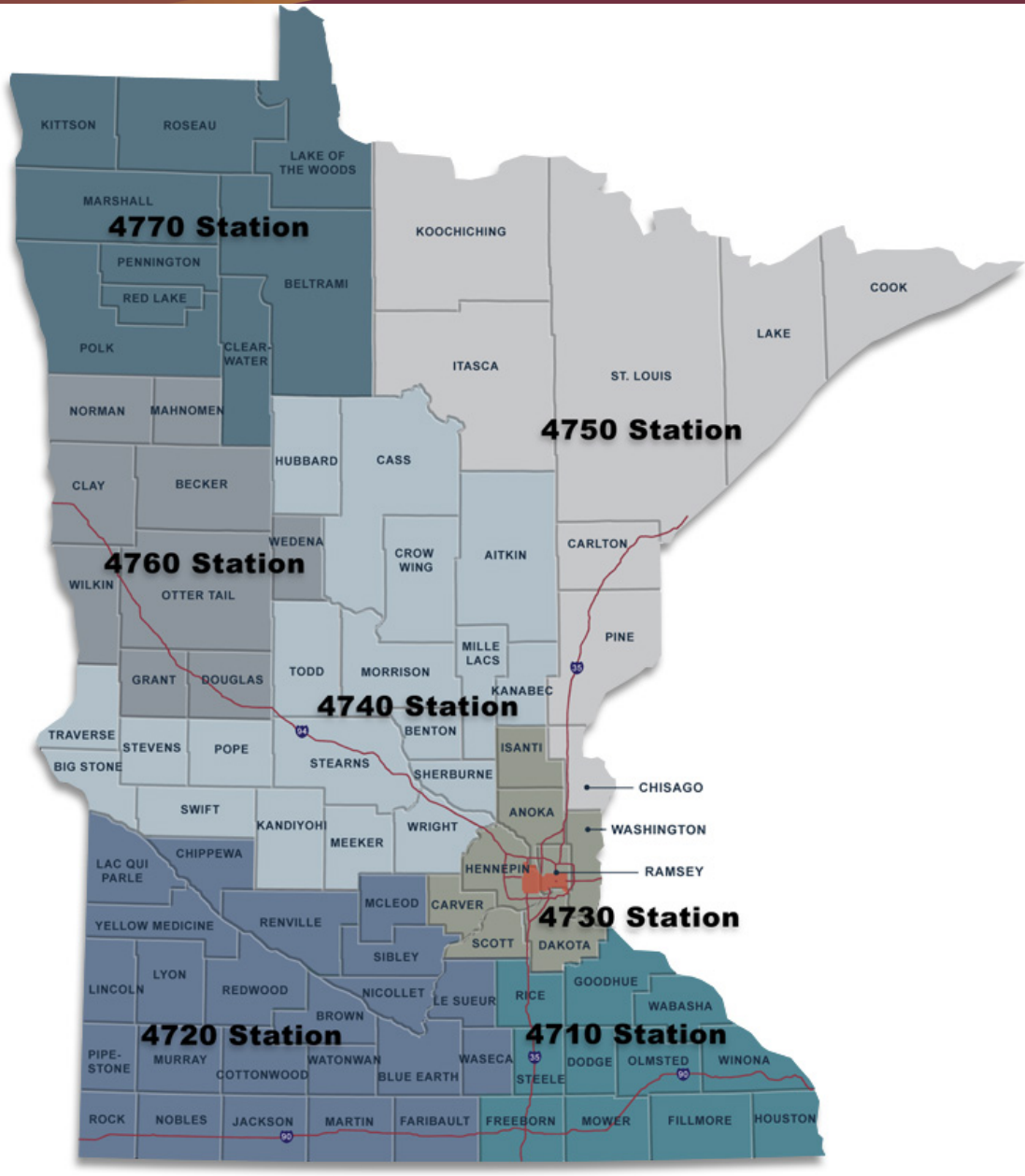
PARTY BUSES



- Open bottle law doesn't apply to motor carrier of passengers – bus or limo (regulated by MnDOT)
- Insurance requirements – 1.5 million or 5 million



STATE PATROL RESOURCES



QUESTIONS?

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