

Emerging Proficient



Commercial Driver Program

# Road Signs and Safety

Introductory Curriculum

# EPCD Collaboration of Construction Businesses

Thanks to the advisory committee for your review and approval and to Fortified Development for the development of this curriculum.

- Amanda Corum - Pueblo Corporate College
- Cathy Kramer - Connect2DOT
- Cheryl Gallegos - DOC Employment & Training Navigator
- Denise Tolmich - Ram-CO
- Emily Crespín – CDOT
- Ira Martin - Colorado Aggregate Hauling
- Irasema Moreno - CHOM Trucking
- Martell Dyles – JE Dunn Construction
- Monica Gilbert – Fortified Development
- Omar Moreno - Iron Woman
- Reggie Gamlin – Flatiron

# Let's Start



# Overview

Road signs are an important part of driving. Whether they are conveying information about the road, exits, or upcoming hazards; or they are guiding a driver to the area for shipping and receiving, understanding signs is a valuable tool for being safe and efficient on the road.

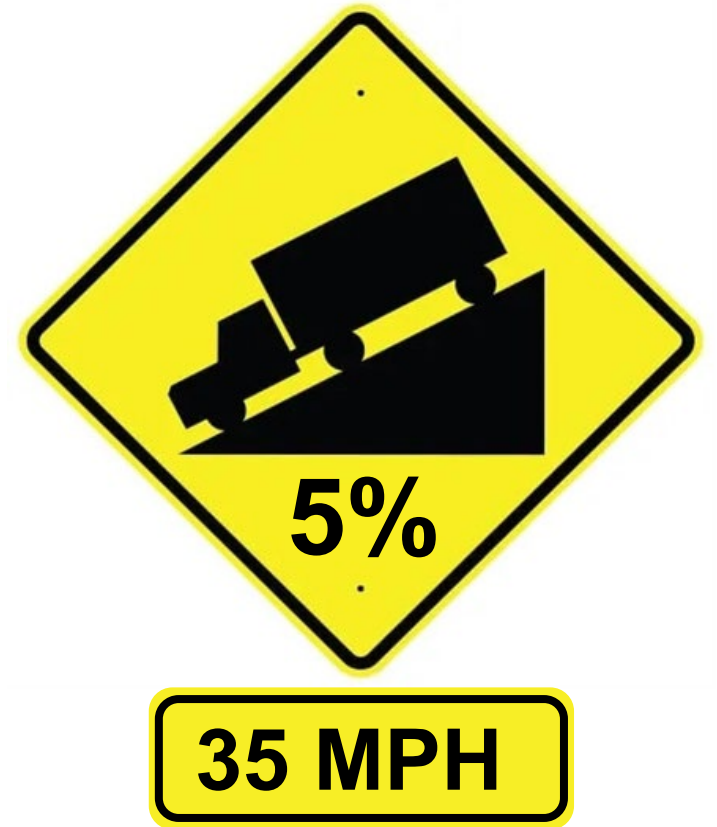
We all are familiar with the basic traffic signs such as stop sign and yield signs. This course will go in-depth to educate on some of the lesser known, but still important signs.

- **Road Signs Training will cover:**
  - Learning the grades for truck
  - Understanding bridge signs
  - Recognizing other critical signs as a driver
- **Training Hour(s): 1.5 hr.**

# Learning the Grades for Truck

# Grade Signs

- In a real-life scenario, a 5% grade means the road will rise or fall 5 feet for 100 linear feet. This means if you see a sign that warns of a 5% grade for the next 4 miles, you're going up or down 1,056 feet in the next four miles of driving.
- At a downhill grade of 5% or more, speed should not be more than 35 MPH



# Check Brakes Sign

- o Make sure to stop and check your brakes
- o Make a notation on your post trip form



# Understanding Bridge Signs



NO WAY!



# Height Signs– How Tall are You?

- o Standard Tractor/Trailer height 13' 6"
- o You will find these signs on the side of road before bridge or overpass



# Other Critical Signs as a Driver



# Mile Marker Signs

- Give indication to a relative known point
- Start at “0” at the southern and western borders of the state
- Exit numbers line up with mile markers
  - Exception: New York State freeway exit numbers



# Object Marker Signs

- These signs are used to warn of possible hazards and obstructions
- They will point to the obstruction
- Used on bridge pilings, concrete islands, and other possible hazards
- Proceed with caution



# Curve Signs

- o Slow down before you get to the curve
- o Be in gear to power through the curve
- o Move to the top side of the curve

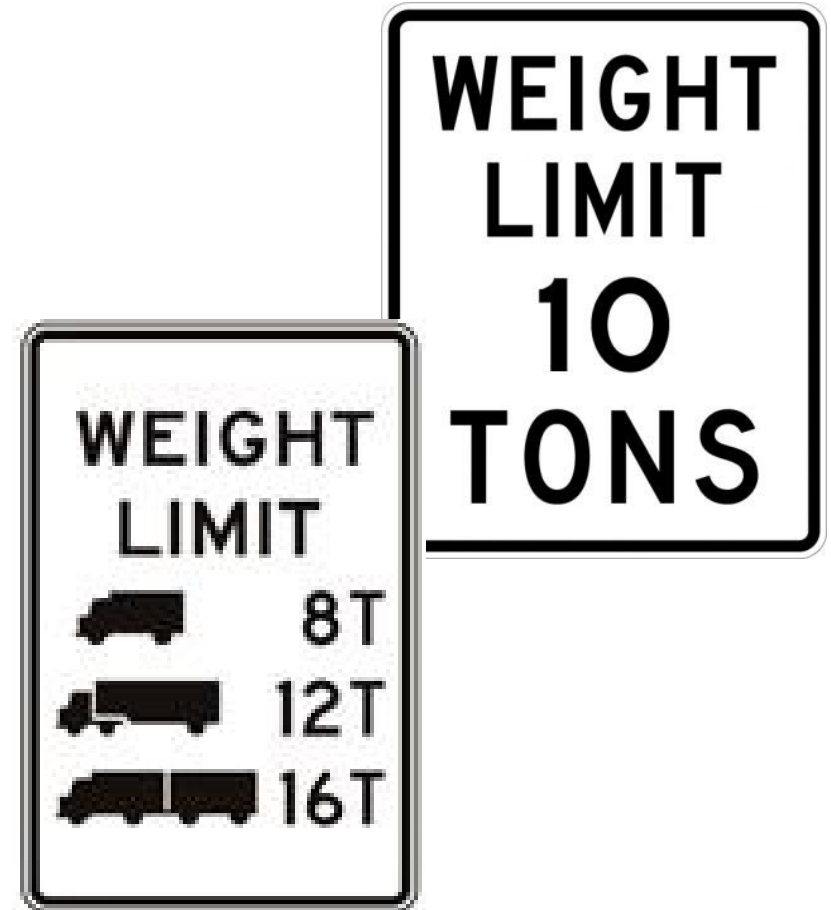


# Weight Limit

Weight limit signs carrying the legend WEIGHT LIMIT XX TONS are used to indicate the maximum gross vehicle weight (including equipment being towed by the vehicle) that can safely cross the bridge or drive on designated roadway.

An axle weight limit sign applies to axle weight rather than gross load.

If you are too heavy, turn around and find another route.



# Road Surface Signs

- Loose Gravel
  - Slow down and keep control of your vehicle
  - Allow extra space ahead
  - Do not brake suddenly or make sharp turns as this may cause you to skid
- Fresh Oil
  - Can cause slippery conditions
  - Drive with caution





# Road Narrows

- Road narrows signs warn about a narrow stretch of road ahead.
- Drivers don't need to take immediate action but should proceed with some caution.
- Some road narrows signs have black line icons to indicate the road narrowing while others have words that say "ROAD NARROWS."



# Flagger

- Warns of temporary traffic conditions
- Slow down and be prepared to stop
- Use caution and watch for a person directing traffic through a construction zone
- Follow the flagger's instructions



# Worksite Warning Signs

- o Worksites come with many dangers
- o Watch for signs and unmarked hazards; they can be above you.



# Wheel Chocks

OSHA requires drivers to set the brakes, and workers to chock the rear tires of trucks before they are loaded or unloaded.

If a driver detaches a trailer from his truck, the driver (or site workers who receive the trailer) must stabilize the trailer with jacks and chock the rear wheels.



# Flammable Warnings

- Many worksites have various flammable liquids and gases present.
- BE SAFE! If you see these signs, don't light up or use any form of open flame.



# Personal Protective Equipment (PPE)

- Hard hats
- Safety goggles
- Heavy boots
- Yellow safety vest/jacket
- Long sleeve shirt
- Long pants



PPE items must be worn at all times when driver is outside the truck.

# Hazmat Precautions

- Licensed professionals only
- Personal safety protection mask is required
  - N-100 or P-100
- Close truck vents
- Follow decontamination procedures if necessary



Time for Hands On!