

# UNDERSTANDING BRIDGE WEIGHT LIMIT SIGNS

Recently, Franklin County has been required by the Federal Highway Administration (FHWA) to have our bridges evaluated for carrying *Specialized Hauling Vehicles*. To fulfill this requirement, Franklin County contracted with KPFF Consulting Engineers to load rate bridges which met the criteria for this requirement. As a result, several bridges in Franklin County were required to be posted.

The purpose of this document is to help Franklin County road users to better understand the bridge posting signs.

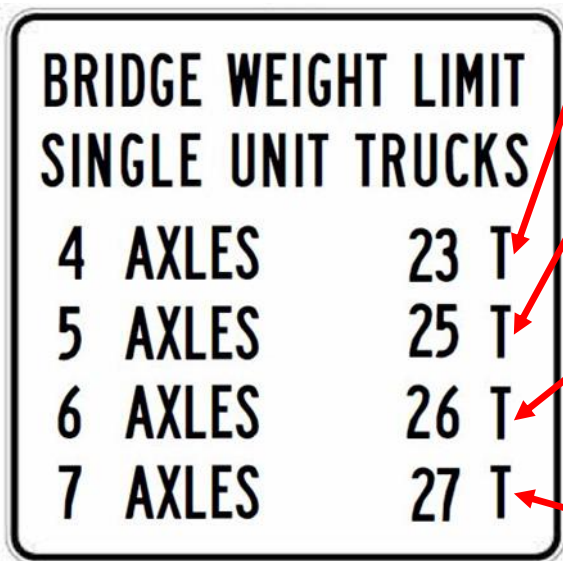
## Standard Bridge Weight Limit Sign



- **Single Unit Truck:** a three-axle single-unit vehicle with a maximum legal load of 25 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 4 Tons.*
- **Standard Semi-Truck:** a five-axle semi-tractor and trailer with a maximum legal load of 36 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 8 Tons.*
- **Combination Truck:** a six-axle combination of a single-unit vehicle pulling a trailer with a maximum legal load of 40 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 12 Tons.*

## Specialized Hauling Vehicle Weight Limit Sign

**PLEASE NOTE: THESE SIGNS APPLY ONLY TO SINGLE-UNIT TRUCKS**



- **4-Axle Single Unit Truck:** a four-axle single-unit vehicle with a maximum legal load of 27 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 23 Tons.*
- **5-Axle Single Unit Truck:** a five-axle single-unit vehicle maximum legal load of 31 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 25 Tons.*
- **6-Axle Single Unit Truck:** a six-axle single-unit vehicle with a maximum legal load of 34.7 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 26 Tons.*
- **7-Axle Single Unit Truck:** a seven-axle single-unit vehicle with a maximum legal load of 38.7 Tons. *The example shown on this sign indicates that the bridge can only carry a truck of this configuration weighing a maximum of 27 Tons.*