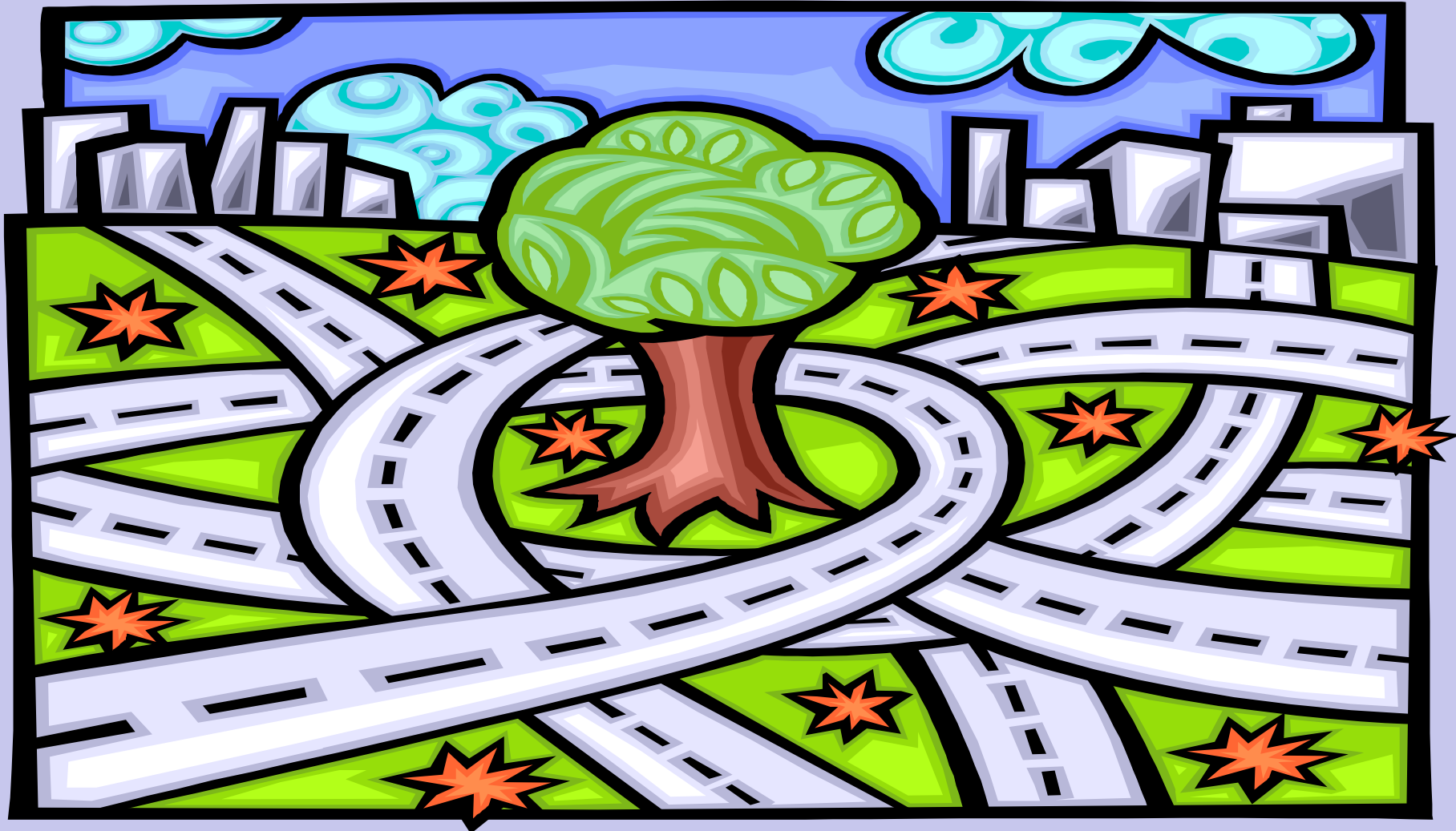


Minnesota County Engineers Conference

• June 16, 2022





2022



Minnesota's Truck Weight Education Program

Program Manager & Training Coordinator: Tom J Nelson
Program Development & Support: Greg A. Hayes

A **Minnesota** educational project to safeguard public roadways through voluntary vehicle weight compliance

Program History and Accomplishments

- Developed in 2001 to uncomplicate truck weight laws
- Program is a trusted resource to all Minnesota trucking industries
 - Timber – specialized configurations and routing
 - Aggregate – commodity and specialized permits
 - Agriculture – dairy – differences in weights and routes
 - Manufacturers – new and retrofitted vehicles
 - Road Authorities – load limits, configuration questions
 - Law Enforcement – statute guidance specialized training
 - Including proper portable scale weighing techniques

Changes in Truck Weight Issues Since 2001

- Vehicle Configurations - (some commodity specific)
 - Increased weights by adding axles (allowed in recent legislation)
 - Permissions (permits) required from local road authorities - in new legislation
 - Agriculture - up to 97,000 pound loads (qualifying products)
 - “Road” construction materials - up to 97,000 pound loads
 - Timber - weights and width (new 2022 proposed legislation changes)
 - Dairy - single unit vehicles increased with no permit requirement
 - Increased size of implements of husbandry only regulated by tire size (unless tracked) and bridge postings
 - Grain carts
 - Liquid manure
- Older statutes do not, in all cases, address current configurations or issues
 - The truck weight program is part of a group looking to identify and recommend changes (5-ton paved vs 5-ton unpaved)

Common Ready-Mix Truck 2001 – 52,000#



Mixer truck 2022 up to 80,000#

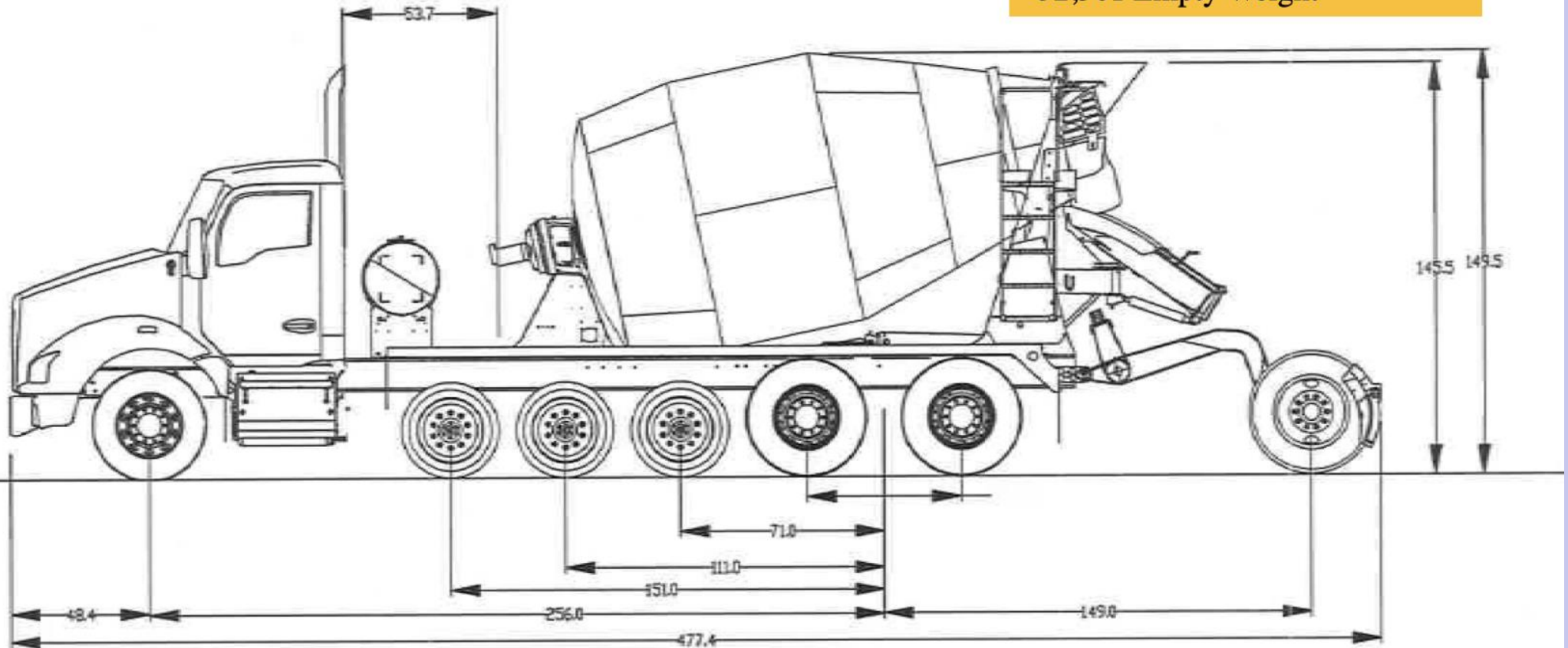


7 Axle Mixer Truck

Single Unit Weight Trends

46,000 pound payload capacity.

32,561 Empty Weight



7 axles spaced 34 feet allowed 80,000 on both 9 and 10 ton systems

17 feet less than 5 axle semi combination

Maximum single axle vehicle length (bumper to bumper) 45 feet

44,444 on 5 ton road

Aggregate Truck 2022 up to 80,000#





Why Single Unit Vehicles?

- One Vehicle Inspection
- One Vehicle Registration
- “B” Class Drivers License (availability of drivers)
- Ease of product delivery (worksite maneuver)
- In some instances, they could eliminate “pup” trailers
- Drawbar statute of 15 feet makes them inefficient

Program Support

- Giving guidance to proper configuration of vehicles to comply with statute permissions. Commodity specific guidance.
 - Length, axle spacing, tire size & ratings
- Answering questions from industry and road authorities regarding restricted roads, bridges, or enforcement
 - County engineers
 - Township supervisors
 - City engineers
 - Law enforcement
 - Legislators

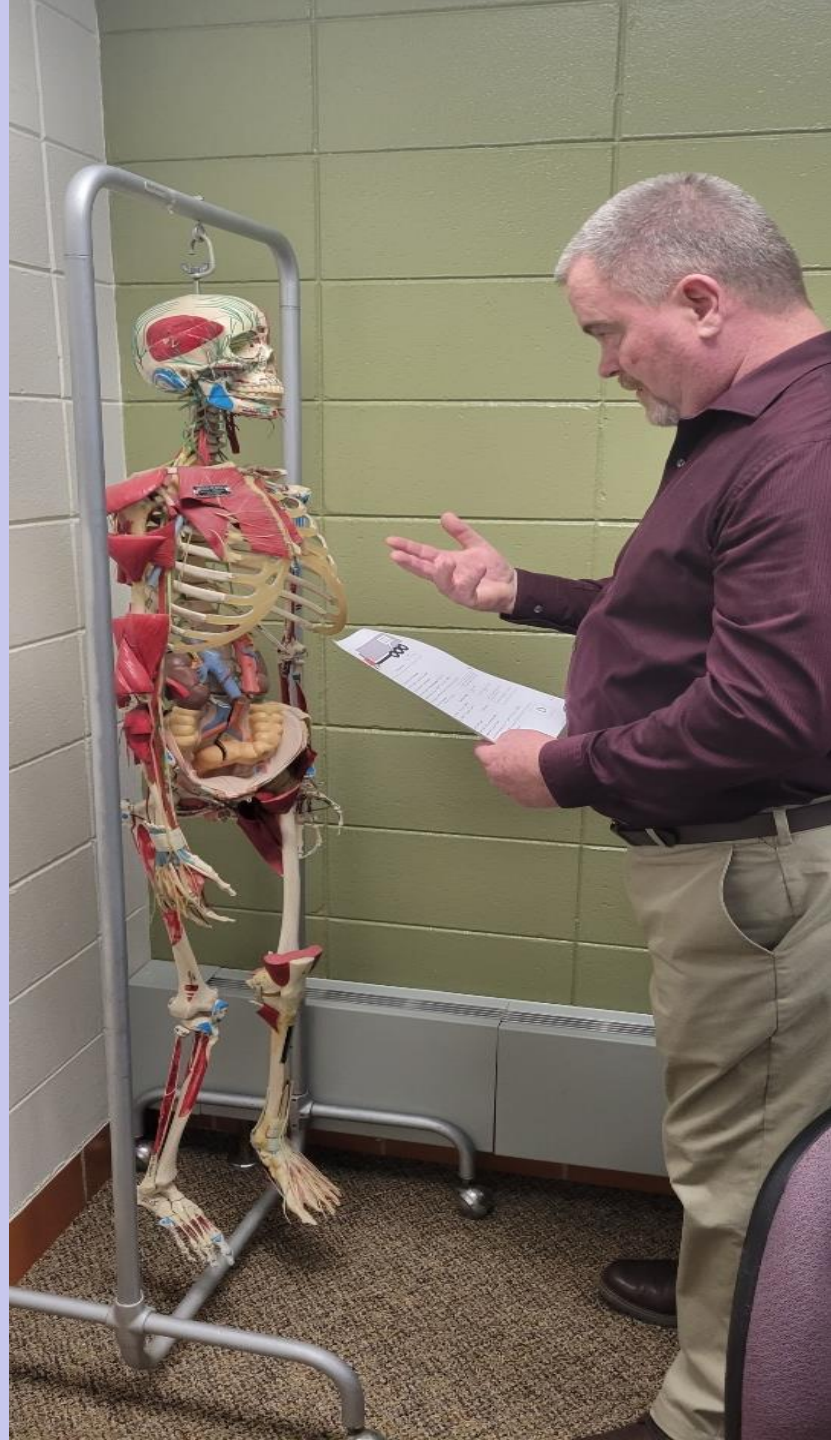
Resources for you

- Training materials
- Charts
- Photos
- Past experiences and situations
- Weighing....we have portable scales

- **Thank You for supporting the program**
- **Let us know how to help your needs**

Tom Nelson

- Joined the training team in 2017
- Expanding demands of the program
- Similar career paths, regional supervisors of MSP enforcement
- Program Manager and Training Coordinator
 - Additional classes & coordination of locations and materials
 - Addressed training during COVID
 - New truck weight calculator
 - Program refresh to current technology
- HE WILL ATTEMPT TO INSTRUCT ANYONE!



Covid shutdown training classes in 2020

Virtual training tutorials were developed that offers an overview of the most frequently requested information from the MN Truck Weight Education Program and an explanation of how to use the program's recently added Truck Weight Calculator.

[Minnesota LTAP | Videos & Presentations \(umn.edu\)](#)

Fall 2021 Truck Weight Education Classes

Rochester

Mankato

Grand Rapids

Detroit Lakes

Elk River

On-Demand Training Option (New)

We offer an on-demand version of this training to organizations who have 15 or more employees/members that would like to attend. Instructors will come to you, holding the training on-site at your organization and tailoring the content to meet your industry/association's needs and standards.

To learn more or to schedule a session, contact Tom Nelson, TWEPP program manager, at Tom.Nelson51@gmail.com or by phone 320-828-1809.

On-Demand Truck Weight Education classes

Fergus Falls

Egan Company

MNDOT- Duluth

MNDOT- Hibbing

MNDOT- Windom

MNDOT- Mankato

MNDOT- Le Sueur

MN Logger's Education Program

Xcel Energy

DNR

Spring 2022 Truck Weight Education Classes

Law Enforcement class (POST certified) in Waite Park

Rochester

Marshall

Mankato

St. Cloud

Bloomington

Willmar

Brainerd

Buffalo

Carlton

Detroit Lakes

2022 Fall Truck Weight Education Classes

September 6th- Moorhead

September 7th- St. Cloud

September 13th- Duluth

September 19th- Owatonna

September 20th- Shoreview

September 26th- Montevideo

2022 Fall Truck Weight Education Classes

Truck-weight workshops are free for participants.

Register online: mnltaap.umn.edu/truckweight.

Register by email or phone: Samantha Redman at redmo062@umn.edu or 612-626-4965.

New

2021 Minnesota Truck Weight Calculator

Assists in determining legal weights from the gross weight chart.

Single Axle

Tires (both size and rating needed)

Consecutive axles

Gross weights

All measurements “MUST” be from **center of axle to center of axle**.

Not vehicle length or wheelbase.

All measurements must be in feet and inches.

<https://dotsc.ugpti.ndsu.nodak.edu/TWC/MNHome.aspx>

Future calculator development to include restricted weights and seasonal increases.

**Currently in the process of moving the calculator to the U of M’s server.

THANK YOU!

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