



Transportation Permits Policy Memorandum

Subject: Double Wide Dolly Hauling Equipment

Date: November 1, 2006

Policy: TPPM 2006-05

Reference: CTPAC – WG4 111203 – 003

Objectives:

This policy will:

- Supercede Appendix 15 revision 6/19/03
- Define doublewide hauling equipment
- Specify minimum dimensions between dollies
- Specify minimum number of tires per axle
- Simplify methodology for calculating maximum allowable axle weight

Existing Documentation

The following source contains information related to this subject:

Transportation Permits Manual (TPM)

Appendix 15 – Allowable Weights for Double-Wide Hauling Equipment rev. 6/19/03(Portion)

Second Bullet – Dolly Spacing

Within the limits of the following formulas, the space between the double wide dollies shall not be less than the dimension between the inner tires of the dollies.

Allowable Axle Weight Calculations;

Configuration 1

For widths from 14' 0" up to (but not including) 20' 0", allowable weight is determined by the lesser value calculated using the equation A or B:

Equation A:

$2 \times [\text{Dolly Width divided by } 7] \times [\text{The Straight Green or Purple Weight for Axle Spacing}]$

Equation B:

$1.5 \times [\text{The Straight Green or Purple Weight for the Axle Spacing}]$

Transportation Permits Manual (TPM) – Continued

Configuration 2

For widths 20' 0" or greater, allowable weight is determined by the lesser value calculated using equation C or D:

Equation C:

2 X [Dolly Width divided by 7] X [The Straight Green or Purple Weight for Axle Spacing]

Equation D:

2 X [The Straight Green or Purple Weight for the Axle Spacing]

Transportation Permits Manual Changes

Appendix 15 – Allowable Weight for Double Wide Hauling Equipment

Doublewide Hauling Equipment Defined

Hauling equipment is defined as "doublewide" when the total width of the hauling equipment (two dollies side by side), as shown in Figure 1, is 13'0" or greater. This equipment may qualify for increased axle weight based upon vehicle width, provided that:

1. **Doublewide configurations 13' 0" to 15' 0"**
The minimum dimension between dollies, is greater than or equal to 2' 0"
2. **Doublewide configurations greater than 15' 0"**
The minimum dimension between dollies is greater than or equal to 3' 0".
3. **There is a minimum of 8 tires per axle (or dolly).**

If close coupling exists, the Headquarters Transportation Permits Branch will review the equipment and determine allowable weights in conjunction with the Division of Structure Maintenance and Investigation.

Maximum Allowable Weight Calculations:

The maximum weight that will be allowed on an individual dolly is the lesser of the values as determined by equations 1 and 2 below.

Equation 1:

$$\text{Allowable Weight} = \left(\frac{\text{Dolly Width}^*}{7} \right) \times \left(\text{Straight Permit Weight} \right)$$

* Dolly width shall not exceed 7 feet in this equation

Equation 2:

$$\text{Allowable Weight} = \left(\frac{\text{Width of Hauling Equip}^{**}}{20} \right) \times \left(\text{Straight Permit Weight} \right)$$

** The width of hauling equipment shall be rounded down to the nearest whole foot.

Transportation Permits Manual Changes (Continued)

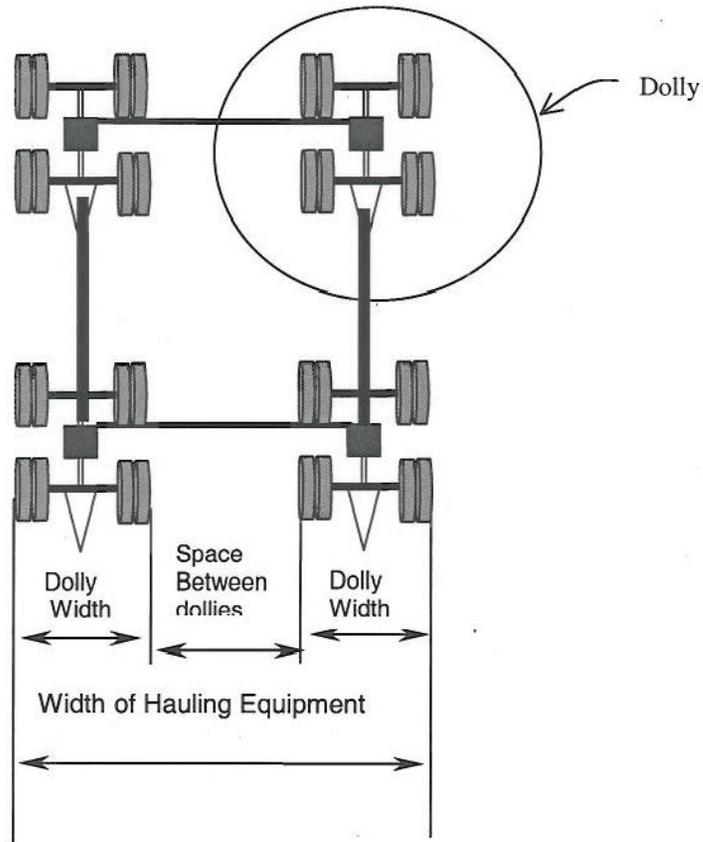


FIGURE 1 - PARTIAL PLAN VIEW OF DOUBLE WIDE HAULING EQUIPMENT

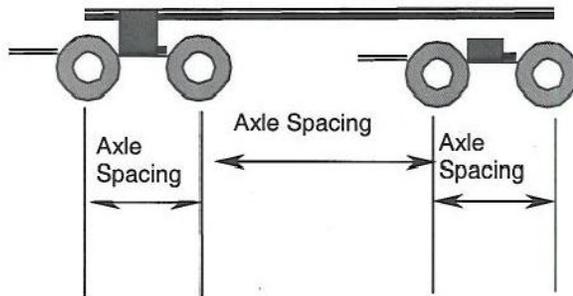


FIGURE 1A - ELEVATION VIEW

Original Signed By

James R. Anderson

James R. Anderson, Chief

Office of Truck Services

Nov. 1, 2006

Date