

PERMIT POLICY MANUAL

SUBJECT: **Spring Road Restrictions Steer Axle Exception**

POLICY NUMBER: 3.07.1

Intent: The Spring Road Restriction steering axle exception is intended for “heavy” steering axle groups, that is, a steering axle unit on a truck with permanently mounted equipment, where the steering axle group weighs greater than legal weight when the vehicle is unladen.

General Information:

- The least amount of restricted road must be used even if carrier must travel farther on unrestricted roads to arrive at destination. Every effort must be made to avoid the use of restricted roads whenever possible.
- This policy applies to highways under the jurisdiction of the Province of Manitoba and the City of Brandon only. Refer to: <http://www.gov.mb.ca/mit/srr/index.html>
- For information pertaining to Spring Road Restrictions in the City of Winnipeg contact (204) 470-7202 or on-line at www.winnipeg.ca.
- Vehicles eligible for this permit are straight trucks and truck tractors heavy on the steering axle group when empty (such as tanker trucks, PMA's, SMM's, picker trucks, bed trucks).
- All permit requests will be considered on a case by case basis.

Allowable Weight Calculation:

Eligible vehicles will be assessed using the following calculation:

1. Number of tires in the steering axle group multiplied by
2. Width (mm) of narrowest tire in the group multiplied by
3. The adjustment factor (Table 1) multiplied by
4. The spring road restrictions load limit (Table 2) as follows:
 - a) Define the road in question,
 - b) Identify the loading class of the road,
 - c) Resulting in the Spring Road Restrictions Load Limit (kg).
5. The results of this calculation will be the allowable maximum weights for issuing permits.

NOTE: Statutory maximum of 7300 kg not to be exceeded for single steering axle of straight trucks carrying divisible loads. Maximum by permit for single steering tridem drive trucks tractors or tandem steering straight trucks carrying divisible loads (general freight) not to be exceeded (as per policies).

Maximum permitted weight not to be exceeded for trucks equipped with non divisible loads or permanently mounted equipment.

Table 1

Adjustment Factor	
No. of tires in Steering Grp	Adjustment Factor
2	1.00
4	0.90

Table 2

Spring Road Restriction Load Limit		
Highway Classification	Loading Class	Restriction Level
RTAC	Normal	10.0
	Level 1	9.0
	Level 2	6.5
A1	Normal	10.0
	Level 1	9.0
	Level 2	6.5
B1	Normal	10.0
	Level 1	9.0
	Level 2	6.5

Permits Are Required When:

A Spring Road Restriction Overweight Permit is required on **Level 1 restricted roads** for:

- A single steer **truck tractor equipped with permanently mounted apparatus** when weight exceeds **5,500 kg**.
- A **single steer truck tractor/tridem drive equipped with permanently mounted apparatus** when weight exceeds **6,570 kg**.
- A single steer **straight truck equipped with permanently mounted apparatus** when the weight exceeds **6,570 kg**.
- A **tandem steer straight truck equipped with permanently mounted apparatus** when the weight exceeding **12,240 kg on RTAC Routes and Class A1 Highways**.
- A **tandem steer straight truck equipped with permanently mounted apparatus** when the weight exceeding **9,900 kg on Class B1 Highways**.
- All tandem steer truck tractors
- The maximum weight on the steering axle shall not exceed the lesser of:
- For **single steering axle** – tire size (305 millimeters or less) x number of tires x 10.0 kg to a maximum of **5,500 kg**.
- For **single steering axle** – tire size (**greater than 305 millimeters**) x number of tires x 9.0 kg to a maximum of **8,190 kg**.

- For **tandem steering axle** – tire size (millimeters) x number of tires x 9.0 kg x 0.9 (download factor) to a **maximum of 14,400 kg**.
- The rated capacity of the tire; or the gross axle weight rating.
- A Spring Road Restriction Overweight Permit is required on **Level 2 restricted** roads for:
- A **single steer truck tractor equipped with permanently mounted apparatus** when weight exceeds **3,900 kg**.
- A **single steer truck tractor/tridem drive equipped with permanently mounted apparatus** when weight exceeds **4,745 kg**.
- A **single steer straight truck equipped with permanently mounted apparatus** when the weight exceeds **4,745 kg**.
- A **tandem steer straight truck equipped with permanently mounted apparatus** when the weight exceeding **8,840 kg on Class A1 Highways**.
- A **tandem steer straight truck equipped with permanently mounted apparatus** when the weight exceeding **7,150 kg on Class B1 Highways**.
- All tandem steer truck tractors
- The maximum weight on the steering axle shall not exceed the lesser of:
- For **single steering axle** – tire size (greater than 305 millimeters) x number of tires x 6.5 kg to a maximum of 5,915 kg.
- For **tandem steering axle** - tire size (millimeters) x number of tires x 6.5 kg x 0.9 (download factor) to a **maximum of 10,400 kg**.
- The rated capacity of the tire; or the gross axle weight rating.

(Reference: Vehicle Weights and Dimensions Standard 3.07.1, Version 1, dated March 11, 2016)

Date: June 2019