

Task Force on VW&D Policy

November 2006

Wide Single Truck Tires

Ministry of Transportation



Wide Single Tires vs Dual Tires

- Better fuel efficiency
 - Lighter – allows more payload
 - Better ride and stability
 - Environmentally friendly
- Weight restrictions on wide single tires are an impediment to realizing these benefits.

Ontario Restrictions

- Legislative rules – axles with dual tires capped at 10,000 kg. Cap is 9,000 kg if equipped with single tires (11 kg/mm).
- New 'interim' rules for single tires – non-steering axles of new tractor-trailers are restricted to 8,000 kg (10 kg/mm).
- MTO pavement engineers are satisfied there are no significant pavement issues at weights up to 8,000 kg per axle.
- The impact on pavement is unclear if single tire weights are raised to 9,000 kg.

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Ontario Testing

- Ontario allows 10,000 kg on axles with dual tires.
- Do single tires at 9,000 kg cause any more pavement damage than dual tires at 10,000 kg?

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Ontario Testing

- Research grant to University of Waterloo to undertake pavement testing of both types of tires.
- Instrumented pavement section located within Region of Waterloo landfill site.
- Initial testing done in June in partnership with industry stakeholders.

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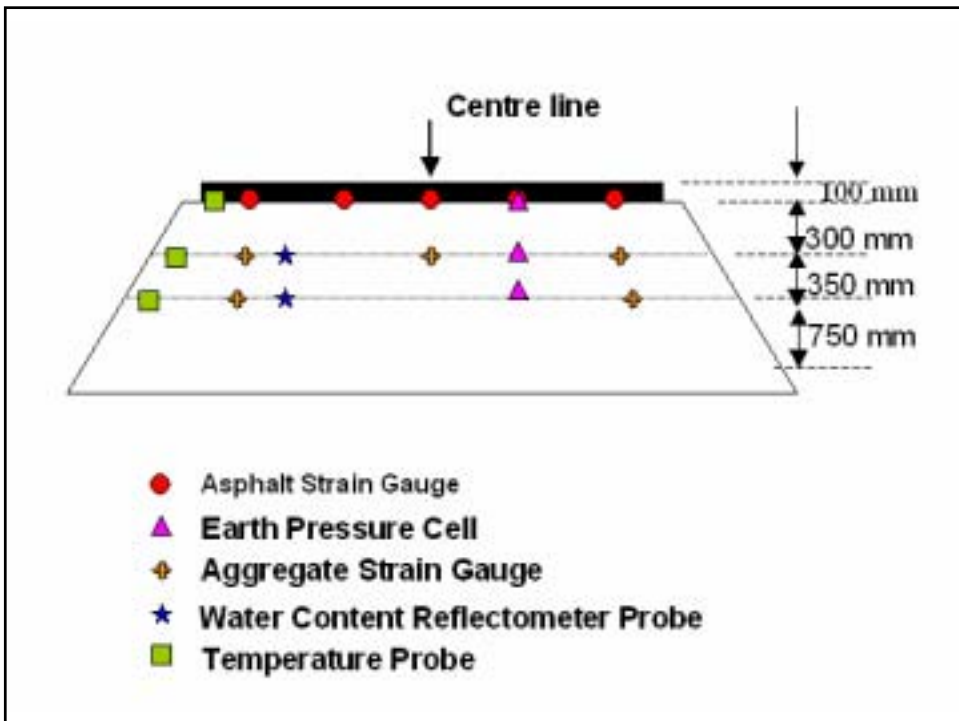
















VW&D Guidebook

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