



## FOOTHILLS COUNTY

309 Macleod Trail, Box 5605

High River, Alberta T1V 1M7

Tel: 403-652-2341 Fax: 403-652-7880

[www.mdfoothills.com](http://www.mdfoothills.com)

# Proof Roll Inspection Standards

## -Subgrade and Gravel Base Course-

7/8/2016

The following Standards apply to all Proof Roll Inspections conducted on subgrade and gravel base courses within Foothills County:

1. Foothills County will have the final decision on all Proof Roll Inspections.
2. A 48-hour minimum advance notice is required for all Proof Roll Inspections.
3. If a Geotechnical Engineer has been retained on the project, it is required that either the Geotechnical Engineer or their assigned representative is present to witness each Proof Roll Inspection.
4. All Proof Roll Inspections shall become void if the project receives rain before any subsequent layers have been placed.
5. The initial Proof Roll Inspection fee is included within the Planning Departments Fee Schedule; any additional Proof Roll Inspections, whether they are required due to a previous failed inspection or due to rain, shall be charged a fee of \$700.00 per inspection.
6. Proof Rolls shall be conducted only after the compacted material has been proven to meet the minimum standard proctor density
7. Proof Rolls shall be conducted when the moisture content is near optimum, or at the moisture content at which compaction was achieved.
8. Proof Rolls shall be conducted with no loose material on the surface.
9. Proof Rolls shall be conducted only when the temperature is above 0°C (32°F).
10. Proof Rolls shall be conducted with a tandem axle dump truck/water truck with a total rear axle load of no less than 16,400 kg (36,155 lb). A current weigh ticket may be required by Foothills County for verification of axle weight.
11. A single axle dump truck/water truck with a rear axle load of no less than 8,200 kg (18,077 lb) can be substituted for a tandem axle truck at the discretion of the Public Works Department. A current weigh ticket may be required by Foothills County for verification of axle weight.



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12. Proof Rolls shall be conducted with the tire pressures of the proof rolling truck ranging between 620 to 827 kPa (90 to 120 psi).
13. Proof Rolls shall be conducted at a speed between 4 to 6 km/hr (2.5 to 3.7 mi/hr)
14. Any areas of the subgrade or gravel base course which show a visual deflection during the Proof Roll Inspection will be deemed as a failure, and will be required to be repaired through whatever means the Consulting Engineer sees necessary.
15. All areas of failure which are required to be undercut, shall be undercut to a minimum depth of 150mm (6") and replaced with only appropriate suitable material. Foothills County will not accept the use of aggregate as fill in areas of subgrade failure.
16. All Approaches accessed from the constructed roadway shall also be included in the Proof Roll Inspection.