

SPECIFICATION

Roadside Safety Devices

Designator: **TPDE02-07**

Description: **TIMBER GUARDRAIL POST**



Timber Guardrail Post shall be manufactured from a species shown in Table 6 of CSA O80.1-15 and shall be No. 1 Grade, Structural Posts and Timbers graded in accordance with the requirements of the most recent edition of the N.L.G.A Standard Grading Rules for Canadian Lumber. They shall be either rough sawn (not planed) or S4S (surfaced four sides) and holes drilled to the dimensions as detailed on the drawing(s). All saw cuts and drilled holes shall be completed before pressure preservative treatment is applied.

Timber Guardrail Post shall be pressure preservative treated in accordance with the current requirements of CSA O80 Series – Wood preservation, with one of the following:

- a) pentachlorophenol (PCP) in heavy hydrocarbon solvent;
- b) pentachlorophenol (PCP) in chlorinated hydrocarbon solvent;
- c) chromated copper arsenate (CCA); or
- d) ammoniacal copper zinc arsenate (AZCA).

The retention of preservatives shall conform to the values shown in Table 10 of CSA O80.1-15 (UC4.2). The incising and penetration requirements shall be as indicated in Table 5 of CSA O80.2-15.

Prior to acceptance of Timber Guardrail Post, a certified inspection report from an independent inspection agency approved by Manitoba Infrastructure shall be provided by the Vendor indicating compliance with CSA O80 Series – 15 and NLGA Rules. The report shall consist of a preservative charge report that indicates wood species and grade of Timber Guardrail Post, type of preservative used, method of applying preservative and sampling analysis. At its discretion, Manitoba Infrastructure may waive the requirement for independent inspection provided the manufacturer maintains a quality assurance program and is able to provide the reports as noted.

Timber Guardrail Post shall be bundled uniquely and separately from other guardrail timber products.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices. The maximum allowed tolerance in alignment for holes drilled through Timber Guardrail Post will be 3 mm in any direction.

Effective Date: September 1, 2001

Revised Date: January 13, 2017

