

SPECIFICATION

Roadside Safety Devices

Designator: **TPSE01**

Description: **CABLE GUARDRAIL
POST AND WELDED
SOIL PLATE**

Manitoba 
**Infrastructure and
Transportation**

Traffic Engineering

Cable Guardrail Post and Welded Soil Plate shall be manufactured as follows:

Post: using AASHTO M270M (ASTM A709M) Grade 250 steel. The section shall be manufactured such that it conforms to the geometry and tolerances of AASHTO M160M (ASTM A6M) for a S75×8.5 S section.

Soil Plate: as described in the specification for Weak Post Soil Plate (TPLS01).

After all punching, drilling, stamping and welding is complete, the section shall be zinc coated according to AASHTO M111 (ASTM A123). If corrosion resistant hardware is required AASHTO M270M (ASTM 1709M) Grade 50W steel shall be used and the embedded portion of the post shall be zinc coated according to AASHTO M111 (ASTM A123). All holes shall be punched through both flanges (in line). All welding shall conform to ANSI/AASHTO/AWS D1.5.

Designator	Area (10^3 mm^2)	I_x (10^6 mm^4)	I_y (10^6 mm^4)	S_x (10^3 mm^3)	S_y (10^3 mm^3)
TPSE01	1.1	1.1	0.2	28	6

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. Cable Guardrail Post and Welded Soil Plate may be supplied in the nearest Imperial, or English, units equivalent and corresponding manufacturing specification.

Effective Date: September 1, 2001

Revised Date: January 31, 2011

