

Product Evaluation

RE: Review of SoftStop End Treatment

PRODUCT

SoftStop End Treatment is manufactured by Valtir, LLC located in Dallas, Texas and distributed by Roadside Supply Ltd. in Ardrossan, and Barricade and Signs located in Sturgeon County, Alberta. Product web link: <https://www.valtir.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS:

SoftStop End Treatment is an all-steel tangent end terminal for use on 31" W-beam guardrail systems. The SoftStop End Treatment is a MASH Test Level 3 compliant as a redirective, gating end terminal. SoftStop End Treatment tall and narrow extruder head provides less obstruction for ongoing maintenance operations such as mowing and snow removal.

DESCRIPTION:

SoftStop End Treatment is made of 100% galvanized steel head and post design reduces UV related issues. SoftStop End Treatment systems width is 7" with an overall length of 50'-91/2" and can be used with 8" or 12" offset block guardrail systems.

POTENTIAL USAGE:

SoftStop End Treatment tall and narrow extruder head provides less obstruction for ongoing maintenance operations such as mowing and snow removal. The all steel design minimizes debris often found with wood post options.

STANDARDS:

FHWA MASH TL-3 Rating
AASHTO Roadside Design Guide

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used similar systems.

APPLICATION STANDARDS:

Alberta Transportation standard specifications for guardrail are:
Specification 2.19, Guardrail and Guideposts
Specification 5.25, Supply of W-Beam Guardrail and Posts

RECOMMENDATIONS:

SoftStop End Treatment system be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Drayton Valley Bridge – installed July 2015
Hwy 1, East of Canmore (30 units installed in 2015)
Hwy 16 and Hwy 47 near Edson (8 units installed in 2015)
Hwy 36, 40 km south of Sunnybrook – 4 units installed in 2016)
Tender #17534 (Hwy 28 – Smoky Lake) 4 units installed

Rishi Adhikari

cc New Products Evaluation group – Roger Skirrow
Hal Cook/Clayton Matwychuk