

Product Evaluation

RE: Review of Steel-Flex Guardrail Marker

PRODUCT

The Steel-Flex Guardrail Marker is manufactured by Delnorth International located in New South Wales, Australia and distributed by Alberta Traffic Supply located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Steel-Flex Guardrail Marker attaches to guardrail posts and is capable of withstanding repeated impacts by vehicles with minimal damage to the post or vehicle. The Steel-Flex Guardrail Marker is used throughout Europe and Australia and is currently being reviewed by British Columbia. The Steel-Flex Guardrail Marker can be impacted both ways more than 1500 times. Product web link:

<http://www.intertraffic.com/marketplace/mypage/information.asp?mypageid=1157>

DESCRIPTION

The Steel-Flex Guardrail Marker All-Steel Guide Post is made from a single shallow "C" channel section of 1.2mm flexible steel and is available in 39cm (15") length. The Steel-Flex Guardrail Marker incorporate an AS/NZS 4680 compliant hot-dip galvanized coating and a high grade of polyester powder coating process resulting in exceptional flexibility, impact and UV resistance. The Steel-Flex Guardrail Marker incorporates 3M reflective sheeting.

POTENTIAL USAGE

The Steel-Flex Guardrail Marker is very fast and easy to install. The Steel-Flex Guardrail Marker are used on steel spacer blocks which are installed with 2 galvanized bolts, nuts and washers and on timber guardrail posts with 2 galvanized coach screws. The Steel-Flex Guardrail Marker can be powder coated in any colour.

STANDARDS

ASTM D2794 – Impact Resistance

ASTM B177- 1700hr Salt Spray

British & European Standard BS EN 12767:2000

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation uses a reflective strip for guardrail post delineation conforming to Standard Specifications for Highway Construction, Specification 2.19 Guardrail and Guide Posts.

APPLICATION STANDARDS

The Alberta Transportation Specification for guardrail and guide post delineation is as follows:

Standard Specification for Highway Construction, Specification 2.19 Guardrail and Guide Posts

RECOMMENDATIONS

Steel-Flex Guardrail Marker be listed as a Proven Product under Alberta Transportation's Products List, Traffic Control Devices – Barrier Mounted Delineators – Proprietary based on the information provided.

TRIAL PROJECTS

Hwy 619:06 at km 50.73at a culvert bridge crossing two sloughs
Anthony Henday Drive, EB to NB Hwy 216 at the approach to the bridge structure over CN Rail Line and the
ramp on hwy 14.

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Richard Chow/Jim Poole/Jim Gavin