

Product Evaluation

RE: Review of Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post

PRODUCT

The Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post is manufactured by Delnorth International located in New South Wales, Australia and distributed by Valley Group of Companies located in Langley, British Columbia.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post are used to mark the road edge on rural highways. The Delnorth International delineator posts have been shown to improve safety for vehicle users by forewarning drivers of impending hazards such as sharp bends in the road and assisting the precision of tracking. The Delnorth International post is used throughout Europe and Australia and is currently being reviewed by British Columbia. The Delnorth International delineator post can be impacted both ways more than 1500 times. Product web link:

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

DESCRIPTION

The Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post is made from a single shallow "C" channel section of 1.2mm flexible steel and is available in either 165cm (66") or 140cm (56") length. The Delnorth International posts 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.

POTENTIAL USAGE

The Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post is very fast and easy to install. The post is driven with the aid of a suitable manual or pneumatic driving device, and it incorporates ground retention barb that will not dislodge on impact. The Delnorth International post can be powder coated in any colour.

The Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post was tested by humanIMPACTengineering, Australia and found to be unlikely to cause significant injury to a vulnerable (or unprotected) road user in impacts up to a speed of 100k/hr.

STANDARDS

ASTM D2794 – Impact Resistance

ASTM B177- 1700hr Salt Spray

British & European Standard BS EN 12767:2000

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation uses flexible guidepost traffic delineators conforming to Standard Specifications for Highway Construction, Specification 5.28 Supply Flexible Guide Post Traffic Delineators.

APPLICATION STANDARDS

The Alberta Transportation Specification for Flexible Guide Post Traffic delineators is as follows:

Standard Specification for Highway Construction, Specification 5.28 Supply Flexible Guide Post Traffic Delineators.

RECOMMENDATIONS

Delnorth International Steel-Flex Road Edge Delineator All-Steel Guide Post be listed as a Proven Product under Alberta Transportation's Products List, Traffic Control Devices – Flexible Guide Post Traffic Delineators, Traffic Delineators – Proprietary based on the information provided.

“CAVEAT” – ‘the 66 Steel-Flex Road Edge Delineator is to be placed on a minimum 3m shoulder and set 1m off edge of pavement’

TRIAL PROJECTS

Hwy 41:22 at km 6.23 on 2 curves and one Twp. Road Intersection

Joe Filice

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