

Product Evaluation

RE: Review of Vulcan Gate System Barrier

PRODUCT

The Vulcan Gate System Barrier is manufactured by Quixote Corporation, Energy Absorption Systems located in Chicago, Illinois and distributed by Barricades and Signs Traffic Professionals located in Sturgeon County, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Vulcan Gate System Barrier is a portable steel longitudinal barrier that meets NCHRP 350 TL-2 and TL-3 Test requirements as a longitudinal redirecting barrier. The Vulcan Gate System Barrier is available as part of the Vulcan Barrier System or as an individual Gate system transitioned to a guard rail barrier or a concrete barrier. Product Web Link:

http://www.energyabsorption.com/products/products_vulcan_tl3.asp

DESCRIPTION

The Vulcan Gate System Barrier System is constructed from a series of individual barrier sections that are made of galvanized steel. The ends of each section are easily pinned together; the steel pivot pin securely joins the sections for maximum impact performance.

POTENTIAL USAGE

The Vulcan Gate System Barrier is available in lengths of four meters, eight meters and twelve meters. The lightweight and stackable Vulcan Gate Barrier design reduces transport costs. Vulcan Gate sections can be easily raised and lowered with manual jacks with attached caster wheels.

STANDARDS

NCHRP 350 TL-2 and TL-3

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

The Alberta Transportation specifications for guardrail are:

- Specification 2.19, Guardrail and Guideposts
- Specification 5.25, Supply of W-Beam Guardrail and Posts
- Specification 5.27, Supply of Cable Barrier and Metal Posts

RECOMMENDATIONS:

Vulcan Gate System Barrier be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Barrier Systems – Proprietary, based on the information provided.

TRIAL PROJECTS

AT project #7884/09 (Ft. McMurray, Thickwood/Confederation interchanges
Hwy 2 Nisku, Hwy 2 N. of Airdrie (2017), Edmonton Whitemud drive (2018)

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