

Product Evaluation

RE: Review of Trinity CASS™ Cable Barrier System

PRODUCT

The Trinity CASS™ Cable Barrier System is manufactured by Trinity Highway Safety Products Incorporated located in Dallas, Texas, distributed by Alberta Traffic Supply located in Edmonton, Alberta and Roadside Supply Ltd. Located in Sherwood Park, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Trinity CASS™ Cable Barrier System has received letters of acceptance from the Federal Highway Administration (FHWA) for its Test Level 3 (TL-3) and Test Level 4 (TL-4) cable barrier systems. All testing procedures were conducted as prescribed by the National Cooperative Highway Research Program (NCHRP) Report 350. Product web link: <http://www.highwayguardrail.com/products/cb.html>

DESCRIPTION

The Trinity CASS™ Cable Barrier System uses C-shaped posts and 3 tensioned cables. The specially designed post employs a proprietary wave-shaped slot which works in tandem with strategically positioned cables to increase the systems ability to restrain various types of vehicles. The wire rope is held in place by support posts which can be driven or placed into steel sleeves (set in soil, asphalt or concrete).

POTENTIAL USAGE

The Trinity CASS™ Cable Barrier System is installed in the medians between divided highways, shoulders and slopes. The Trinity CASS™ Cable Barrier System is designed to contain and redirect errant vehicles, thus preventing the vehicle from crossing the median. This system can be custom tailored for approximate deflections via variable post spacing.

STANDARDS

No standards submitted.

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:

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

TRIAL PROJECTS

Hwy 16 at the highway 21 interchange (Roadside Supply Ltd.)
Hwy 2 at Stony Trail (NBL) (Roadside Supply Ltd.)

Joe Filice

cc Innovations Evaluation Group – Abid Malik
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