

Product Evaluation

RE: Review of TrafFix Delta Crash Cushion

PRODUCT

TrafFix Delta Crash Cushion is manufactured by TrafFix Devices, Inc. located in San Clemente, California and distributed in Alberta by Barricades and Signs Ltd. located in Sturgeon County, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Delta Crash Cushion attenuates energy evenly for all vehicle types with shear bolts tearing through cut-outs of various sizes and shapes. Quick and easy installation reduces exposure to traffic. Performs in all temperatures and climates and is a low cost MASH TL-3 non-gating redirective crash cushion. It can be used in unidirectional and bi-directional applications. Website: <https://www.traffixdevices.com>

DESCRIPTION

The TrafFix Delta Crash Cushion is a non-gating, redirective crash cushion which consists of a series of steel thrie-beam fender panels supported by steel diaphragms. The Delta unit redirects errant vehicles during side impacts and absorbs head on impacts by telescoping rearward by tear bolts shearing through galvanized steel thrie beam side panels. Multi-directional object marker comes in Chevron, Left or Right angles, and can be quickly changed in the field.

POTENTIAL USAGE

Non-gating, redirective crash cushion for Highway sides, median and bridge decks

STANDARDS

MASH Test Level 3

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation standard specification 2.19: Guardrail and Guideposts;
Alberta Transportation standard specification 5.25: Supply of Thrie Beam and W-Beam Guardrail and Posts
Alberta Transportation standard specification 5.27: Supply of Cable Barrier and Metal Posts.

RECOMMENDATIONS

TrafFix Delta Crash Cushion be listed as a Potential Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: TrafFix Delta Crash Cushion shall be used in a unidirectional application only, where the Delta is placed in line with, but not connected to, the end of a concrete Single Slope Barrier or F-Shape Barrier. The rear fender panels must be able to telescope rearward without obstruction for 35 inches (890 mm).

TRIAL PROJECTS

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,
Hal Cook / Allen Rau / Junaid Iqbal