

Product Evaluation

RE: Review of CAT-350 Crash Cushion Attenuating Terminal

PRODUCT

The CAT-350 Crash Cushion Attenuating Terminal is manufactured by Valtier (formerly Trinity Industries Inc. located in Dallas, Texas) and distributed by Barricade and Signs products located in Sturgeon County, Alberta. Product Web Link: <https://www.valtir.com>

VENDOR CLAIMS AND INFORMATION

CLAIMS

The CAT-350 Crash Cushion is an energy absorbing attenuator available for use where blunt ends of rigid barriers and fixed objects are in the median or on the shoulder.

DESCRIPTION

The CAT-350 Crash Cushion is designed to shield the ends of median barriers and other fixed objects likely to be struck head-on, by absorbing and dissipating the kinetic energy of impacting vehicles. The CAT-350 Crash Cushion length is 9.52m X 762mm outside width and a height of 705mm. The CAT-350 Crash Cushion has been tested to meet the rigorous requirements of NCHRP Report 350, Test Level 3.

POTENTIAL USAGE

CAT-350 Crash Cushion can be used as a longitudinal barrier end treatment and as a crash cushion either in the median or on the shoulder.

STANDARDS

NCHRP 350 TL-3 Rated – FHWA approved

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has been using this product for several years.

APPLICABLE STANDARDS

The Alberta Transportation specifications for guardrail are:

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

RECOMMENDATIONS:

The CAT-350 Crash Cushion Attenuating Terminal be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

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