

Product Evaluation

RE: Review of X-Tension Median Attenuator System

PRODUCT

The X-Tension Median Attenuator System is manufactured by Lindsay Transportation Solutions Barrier Systems located in Rio Vista, California and distributed by Roadway Traffic Products located in Edmonton, Alberta and Roadside Supply Ltd located in Ardrossan, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The X-Tension Median Attenuator System is a redirective, non-gating median Attenuator designed to shield the ends of double-sided guardrail systems. The X-Tension system attaches directly to the double-faced guardrail and can also be attached to concrete barrier with standard transitions. Product Web Link: <http://www.barriersystemsinc.com/>

DESCRIPTION

The X-Tension Median Attenuator System consists of impact head, soil anchor, cables, X-Tension posts, standard posts and standard guardrail. The X-Tension System is designed and constructed to provide structural adequacy, minimal occupant risk and safe trajectory as set forth in NCHRP 350 for guardrail terminal ends.

POTENTIAL USAGE

The X-Tension Median Attenuator System placement shall be done in accordance with the guidelines and recommendations set forth in the AASHTO roadside Design Guide. X-Tension System uses guardrail posts that are driven into the ground using standard guardrail installation equipment, no foundation is required.

STANDARDS

NCHRP 350 TL-3 Rated – FHWA approved

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

RECOMMENDATIONS:

The X-Tension Median Attenuator System be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Westbound Stoney Trail @ Exit 50 In the City of Calgary.

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