Alberta Government

Product ID: 8166-1-39
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Product Evaluation

RE: Review of ABSORB-M Non-Redirective Crash Cushion

PRODUCT
ABSORB-M Non-Redirective, Crash Cushion is manufactured and distributed in Alberta by Lindsay Transportation Solutions located in Rio Vista, California.

VENDOR CLAIMS AND INFORMATION

CLAIMS
The ABSORB-M is designed to absorb the impact energy of an errant vehicle in accordance with MASH 2016 guidelines for Non-Redirective, Gating Crash Cushions. When installed in accordance with the manufacturer's instructions, the ABSORB-M Test Level 3 system configuration is capable of safely stopping a 2270 kg pickup truck impacting the system at 100 km/hr., 0 degrees and an 1100 kg car impacting the system at 100 km/hr., 0 degrees, with an offset of the vehicle and system centerlines of one-fourth the vehicle width, and within the angles set forth in MASH 2016. Website: http://www.barriersystemsinc.com/

DESCRIPTION
The ABSORB-M System is a Non-Redirective, Gating Crash Cushion. The system is designed to be attached to Permanent Concrete Barrier and Portable Concrete Barrier. It is 61 cm wide and easy to install. It does not require ground anchoring. The system comprises elements filled with water or any approved anti-icing chemical to provide cushion during the impact.

POTENTIAL USAGE
Highway sides, median and bridge decks

STANDARDS
MASH TL-2 & TL-3 (2016)

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
ABSORB-M Non-Redirective Crash Cushion be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

RESTRICTIONS ON USE
Caveat: ABSORB-M Non-Redirective Crash Cushion's use is limited to concrete barriers at construction site at above freezing temperatures.

TRIAL PROJECTS

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