

## Product Evaluation

### RE: Review of ABSORB 350 Crash Cushion System

#### **PRODUCT**

ABSORB 350 Crash Cushion System is manufactured by Lindsay (Barrier Systems Incorporated) located in Vacaville, California and distributed by Roadway Traffic Products, of Edmonton, Alberta and Roadside Supply Ltd located in Ardrossan, Alberta.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS:**

ABSORB 350 Crash Cushion System is a Non-Redirective, Gating, Crash Cushion in accordance with the definitions in the National Cooperative Highway Research Program Report 350 (NCHRP 350). Product Web link: <http://www.barriersystemsinc.com/>

##### **DESCRIPTION:**

The ABSORB 350 Crash Cushion System has been fully designed and tested to comply with the evaluation requirements of the National Cooperative Highway Research Program Report 350 (NCHRP 350) for Test Levels 2 (70 km/h) and Level 3 (100 km/h). The Test Level 2 system contains five energy absorbing elements and the Test Level 3 system contains nine energy absorbing elements.

##### **POTENTIAL USAGE:**

ABSORB 350 Crash Cushion System attaches to portable, permanent and moveable barriers and does not require foundation or anchoring. Proper anti-freezing agents must be used as filler when the ABSORB 350 is used in areas where low temperature's can be anticipated. This system can be used for permanent and temporary applications.

##### **STANDARDS:**

ABSORB 350 Crash Cushion System meets or exceeds NCHRP Report 350 Level 2 & level 3.

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE:**

Alberta Transportation has no experience with this system.

##### **APPLICATION STANDARDS:**

Alberta Transportation does not have a standard for crash attenuators

##### **RECOMMENDATIONS:**

ABSORB 350 Crash Cushion 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**

Deerfoot/Crowchild/17 Ave interchange – installed in 2017  
Stony Trail SW ring-road construction (Temporary work zone)

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