

## Product Evaluation

### RE: Review of Brakemaster 350 System Guardrail End Treatment

#### **PRODUCT**

The Brakemaster 350 System Guardrail End Treatment is manufactured by Valtir located in Addison, Texas. It is distributed by Barricades and Signs located in Sturgeon County, Alberta and by ATS Traffic of Edmonton, Alberta.

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

##### **CLAIMS**

The Brakemaster 350 System Guardrail End Treatment has been tested to the guidelines as specified in NCHRP 350 TL-3, as a re-directive, gating guardrail end treatment. Product Web Link:

[http://www.energyabsorption.com/products/products\\_brakemaster350\\_crash.asp](http://www.energyabsorption.com/products/products_brakemaster350_crash.asp)

##### **DESCRIPTION**

The Brakemaster 350 System Guardrail End Treatment consists of a framework of w-beam steel guardrail panels which move rearward during head-on impacts. The breakaway assembly shall consist of a galvanized sheet metal nose, which bolts to a lever arm and wraps around the arm to attach to the panels on the brake/tension support assembly.

##### **POTENTIAL USAGE**

Brakemaster 350 System Guardrail End Treatment easy installation requires only two anchor foundation tubes. Metal diaphragm posts rest on slip bases that set right on the ground, no wood post holes to dig. Brakemaster 350 System replacement components are above ground for fast replacement after impact.

##### **STANDARDS**

NCHRP 350 TL-3

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has used this product in some of its projects.

##### **APPLICABLE STANDARDS**

Alberta Transportation does not have a standard for crash attenuators.

##### **RECOMMENDATIONS:**

Brakemaster 350 System Guardrail End Treatment be listed as a Reviewed Product under Alberta Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

Hwy 2, Gateway area

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