

## Product Evaluation

### RE: Review of BarrierGuard 800

#### **PRODUCT**

The BarrierGuard 800 is manufactured by Highway Care Limited located in Ledbury, United Kingdom and distributed by ATS Traffic located in Edmonton, Alberta.

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

##### **CLAIMS**

The BarrierGuard 800 is a versatile longitudinal steel barrier that has many uses and is quick and easy to install. This barrier system is used as a temporary barrier for road construction sites where it can be used for nearside or offside applications to protect construction sites and construction workforce as a positive form of protection. Product Web Link: [https://highwaycare.co.uk/product\\_info/15/vrs-temporary-and-permanent-steel-barrier-uk-barrierguard-800](https://highwaycare.co.uk/product_info/15/vrs-temporary-and-permanent-steel-barrier-uk-barrierguard-800)

##### **DESCRIPTION**

The BarrierGuard 800 is a deformable vehicle restraint system acting as a continuous beam, anchored to the ground at the end of each run through specially designed terminal sections. It consists of single elements of prefabricated 6.0m long or 3m long steel barrier. Two elements are bolted together at the factory providing 12.0m long or 6.0m long sections with male and female QuickLink connectors to facilitate speedy erection on site.

##### **POTENTIAL USAGE**

The BarrierGuard 800 when properly installed and maintained allows an impacting vehicle to be stopped in a safe and predictable manner under the NCHRP 350 impact conditions. This barrier system can be installed at up to 1,000 feet per hour; it is light weight at only 60 pounds per foot. The BarrierGuard 800 is tested to meet NCHRP – 350 TL-3 and TL-4, test requirements.

##### **STANDARDS**

NCHRP 350

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

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

##### **APPLICABLE STANDARDS**

The Alberta Transportation specifications for guardrail are:

Specification 2.19, Guardrail and Guideposts

Specification 5.25, Supply of W-Beam Guardrail and Posts

Specification 5.27, Supply of Cable Barrier and Metal Posts

##### **RECOMMENDATIONS:**

BarrierGuard 800 be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Barrier Systems – Proprietary, based on the information provided.

#### **TRIAL PROJECTS**

Hwy 2 (2018); Barrier 800 and SLED – 156m on N. bound Deerfoot Trail just south of Barlow Trail on the right shoulder (2018); Anthony Henday Dr. Connector 135 Street, & Ellerslie Road Twinning (2019)

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