

## Product Evaluation

### RE: Review of Trinity Guardrail System

#### **PRODUCT**

The Trinity Guardrail System is manufactured by Trinity Highway Products located in Dallas, Texas and distributed by Roadside Supply Ltd located in Sherwood Park, Alberta and Barricades and Signs Traffic Professionals located in Sturgeon County, Alberta.

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

##### **CLAIMS**

Trinity Guardrail System is the latest innovation in steel safety barrier systems providing superior design, rapid installation and driver confidence. With Trinity Guardrail System 31" height, the W-beam attaches directly to the steel post eliminating the need for offset blocks. Product Web Link: <https://www.trinityhighway.com/>

##### **DESCRIPTION**

Trinity Guardrail System is mounted at 31" (787mm) and uses standard W-beam rail with standard 6'0" (1,830mm) posts. The posts are spaced at 6'3" (1,905mm) and located at the guardrail splices.

##### **POTENTIAL USAGE**

The Trinity Guardrail System has been successfully crash tested and is Test Level 3 compliant for both NCHRP Report 350 and Mash 2008

##### **STANDARDS**

FHWA NCHRP Report 350 TL-3 Approved  
FHWA MASH 2008 TL-3 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:**

Trinity Guardrail System be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – W-Beam Guardrail and Posts – Steel Barrier Systems – Proprietary, based on the information provided and the performance at the Trial Sites.

#### **TRIAL PROJECTS**

Highway #1 and Seebee, Alberta – installed in 2015  
Hwy 36, 40 km south of Sunnybrook – installed 2016

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