

Product Evaluation

RE: Review of Highway Guard

PRODUCT INFORMATION

Product Name: HighwayGuard
Website: <https://highwayguard.com/>

Manufacturer: Valtir, Addison, Texas
Supplier: Barricades and Signs Ltd. Sturgeon County, AB

VENDOR CLAIMS AND INFORMATION

CLAIMS

HighwayGuard longitudinal barrier is designed, and crash tested to contain and redirect errant vehicles. HighwayGuard is the latest in innovative, portable work zone barrier technology. Developed with usability, efficiency, and simplicity at its forefront. A single truck, trailer mounted crane or excavator and crew can connect sections in less than 30 seconds, saving time and manpower.

DESCRIPTION

HighwayGuard is a portable work zone barrier with symmetrical steel sections featuring universal T-connectors that allows any section to connect to another. Installing optional wheel sets gives the operational flexibility to create multiple openings that can be opened and closed by hand in minutes.

POTENTIAL USAGE

HighwayGuard longitudinal barrier can be utilized as a rental product. It is intended for use on both Highways and local roads for the protection of work zones. Other uses include delineation and the ability to create access gaps using optional wheeled sections.

STANDARDS

HighwayGuard is MASH 16 TL-3 or TL-4 compliant steel anchored barrier.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation and Economic Corridors has used similar systems.

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

HighwayGuard be listed as Potential Product under Alberta Transportation Products List, Traffic Control Devices – Barrier Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. HighwayGuard longitudinal barrier are to be used for temporary applications in a work zone only.
2. This product must be installed with an end treatment which is mentioned in HighwayGuard Product Manual and also listed in Alberta Transportation and Economic Corridors Product List.
3. Only installations based on Limited Deflection System (LDS) and Standard Deflection System (SDS) (but not AASHTO Soil SDS) and the associated deflections are applicable. Anchoring methods and deflections are to be as per the "HighwayGuard Product Manual".

TRIAL PROJECTS

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