

Product Evaluation

RE: Review of SafeZone Steel Barrier – MASH Test Level 3 and 4

PRODUCT

SafeZone Steel Barrier is manufactured by Laura Metaal Holding located in Tualatin, Oregon and distributed by ATS Traffic located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

SafeZone Steel Barrier is a modular high containment and low deflection steel barrier developed by Laura Metaal Road Safety. SafeZone Steel Barrier is designed for both permanent and temporary use in construction and roadwork applications. The SafeZone Steel Barrier system is typically deployed in 5.8m standard sections that can be quickly connected together to form the desired total length of barrier wall. Product web link: <http://www.safezonebarrier.com/>

DESCRIPTION:

SafeZone Steel Barrier is 0.81m high and 0.45m wide without anchor units or 0.64m with anchor units. The weight of this system is approximately 93 kg/m. SafeZone Steel Barrier longitudinal barrier has passed impact performance tests at MASH test level 3 and test level 4. 180m of barrier fits on 40' truck.

POTENTIAL USAGE:

SafeZone Steel Barrier joining of sections is done by linking them together and applying one security bolt per section to keep the sections securely fastened.

STANDARDS:

MASH Test Level 3 and 4

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used similar systems.

APPLICATION STANDARDS:

Alberta Transportation standard specifications for guardrail are:

Specification 2.19, Guardrail and Guideposts

Specification 5.25, Supply of W-Beam Guardrail and Posts

Caveat: 1) To be used temporarily e.g. at construction sites, 2) The water filled end treatments can only be used during non-freezing conditions.

RECOMMENDATIONS:

SafeZone Steel Barrier (MASH Test Level 3 and 4) be listed as a Potential Product under Alberta Transportation Products List, Traffic Control Devices – Steel Barrier Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

TRIAL PROJECTS

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