

Product Evaluation

RE: Review of MASH Sequential Kinking Terminal (MSKT)

PRODUCT INFORMATION

Product Name: MASH Sequential Kinking Terminal (MSKT) Manufacturer: Road Systems Inc., Big Spring, Texas
Website: <https://roadsystems.com/> Supplier: Barricades and Signs Ltd., Sturgeon County

VENDOR CLAIMS AND INFORMATION

CLAIMS

The MASH Sequential Kinking Terminal (MSKT) is a re-directive, gating, energy-absorbing tangent guardrail terminal that is MASH TL-2 and TL-3 compliant. It is designed, and crash tested to meet the requirements of the AASHTO Manual for Assessing Safety Hardware (MASH) criteria Test Level 3 (100 km/hr).

DESCRIPTION

The MSKT is 50' long and has 8 posts spaced at 6'-3" centers. During head-on impacts, the MSKT head slides over the W-beam guardrail. The rail is sequentially kinked as it moves through the impact head. When impacted along the side within the length-of-need, the MSKT functions like guardrail. The errant vehicle is contained and redirected. As single sided steel post terminal, it is designed to be attached to a strong post w-beam. The MSKT's impact head can be used on existing in-place NCHRP 350 SKT systems for maintenance repairs. In addition, all the W-Beam and the cable anchor bracket, cable, and some of the posts are the same for the MSKT MASH system and the NCHRP 350 SKT system.

POTENTIAL USAGE

To be installed as a roadside safety measure

STANDARDS

MASH (2016) Test Level 3, AASHTO specifications in M180 Class A or B, and finish types 1, 2, 3, or 4

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience with NCHRP 350 SKT system which is similar to this system.

APPLICABLE STANDARDS

Alberta Transportation standard specifications for guardrail are:
Specification 2.19, Guardrail and Guideposts Specification 5.25, Supply of W-Beam Guardrail and Posts

RECOMMENDATIONS

MSKT be listed as a Reviewed Product under Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

RESTRICTIONS ON USE

Caveat:

TRIAL PROJECTS

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