

Product Evaluation

RE: Review of SKT 350 Sequential Kinking Terminal

PRODUCT

The SKT 350 Sequential Kinking Terminal is manufactured by Road Systems Incorporated located in Big Spring, Texas and distributed by Barricades and Signs at Sturgeon county, Roadside Supply Ltd at Sherwood Park, Alberta and ATS Traffic Group in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The SKT 350 Sequential Kinking Terminal is an energy absorbing, tangent end terminal, designed to minimize the severity of impacts occurring at the end of the safety barrier system. During head on impacts the SKT 350 head slides over the W-beam guardrail. The rail is sequentially kinked or bent as it moves through the head safely and the vehicle is brought to a controlled stop. When impacted along the side within the length-of-need, the SKT functions like guardrail. The errant vehicle is safely redirected back toward its original travel path. During head-on impacts, the SKT head slides over the W-beam guardrail. Product Web Link:

<http://www.roadsystems.com/>

DESCRIPTION

The SKT is 50'-0" long and has 8 posts. The only component different from the FLEAT is the impact head. This greatly reduces inventory requirements. The forces required to push the impact head down the rail are lower than other tangent end terminals. The impact head weighs less than 175 pounds. The high strength steel construction and lower impact forces results in a better performing design.

POTENTIAL USAGE

The SKT 350 Sequential Kinking Terminal has been approved as meeting the requirements and guidelines of NCHRP Report 350, Test Level 3 (TL-3) as a redirected, gating end treatment.

STANDARDS

NCHRP 350 TL-3 Rated – FHWA approved

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Alberta Transportation and Economic Corridors has used this product on its highways

APPLICABLE STANDARDS

The Alberta Transportation and Economic Corridors 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:

The SKT 350 Sequential Kinking Terminal be listed as a Proven Product under Alberta Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Hwy 10:08, Hwy 585:02
12 systems on Hwy 40, 30 km S. of Grande Prairie

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