

Product Evaluation

RE: Review of FLEAT MT (Flared Energy Absorbing Median Terminal)

PRODUCT

FLEAT MT Flared Energy Absorbing Median Terminal is manufactured by Road Systems Inc located in Big Spring, Texas and distributed by Roadside Supply Ltd., of Ardrossan, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

FLEAT MT system provides frontal impact absorption through friction and deformation of the rail. The FLEAT MT system is a median terminal for use in wide medians, it attaches directly to median double-sided W-Beam rail. Product web link: <http://www.roadsystems.com/>

DESCRIPTION:

FLEAT MT is a median terminal, which incorporates the original roadside FLEAT components with a couple of additional components to create the FLEAT MT. The front single sided section of the FLEAT MT is similar to the roadside FLEAT and functions the same. The FLEAT MT meets or exceeds the requirements of NCHRP Report 350 Level 3 of the National Cooperative Highway Research Program (NCHRP).

POTENTIAL USAGE:

FLEAT MT system is designed to provide energy absorption at end terminal for double sided guardrail. The FLEAT MT system is available in both wood and steel post options.

STANDARDS:

FLEAT MT system meets or exceeds NCHRP Report 350 Level 3 and is approved for use by the US Federal Highway Administration (FHWA).

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used this system.

APPLICATION STANDARDS:

Alberta Infrastructure and Transportation standard specifications for guardrail are:

Specification 2.19, Guardrail and Guideposts

Specification 5.25, Supply of W-Beam Guardrail and Posts

RECOMMENDATIONS:

FLEAT MT Flared Energy Absorbing Median Terminal system be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Used on several Alberta Transportation projects

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