

Product Evaluation

RE: Review of FLEAT 350 Energy Absorbing Flared Terminal

PRODUCT

FLEAT 350 energy absorbing flared terminal is manufactured by Roadway Systems Inc. located in Big Spring, Texas and distributed by Roadside Supply Ltd., of Ardrossan, and ATS Traffic Group of Edmonton.

VENDOR CLAIMS AND INFORMATION

CLAIMS:

FLEAT 350 is designed to eliminate the hazards of guardrail ends while bringing a vehicle to a controlled stop. FLEAT 350 is NCHRP 350 approved. Product web link:

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

DESCRIPTION:

FLEAT 350 is a straight flared terminal system for use with highway guardrail. The FLEAT 350 system is designed with a post spacing of 6' 3" (1.91m) and is approved for use with a steel post option.

POTENTIAL USAGE:

FLEAT 350 system is designed to be used on w-beam guardrail ends.

STANDARDS:

FLEAT 350 system meets or exceeds NCHRP Report 350 Level 3 and with a test Level 2 option for guardrail end treatments. FLEAT 350 system has been approved by the Federal Department of Highways and several Canadian Ministries of Transportation.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Infrastructure and Transportation has no experience with 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 350 Energy Absorbing Flared Terminal system be listed as a Reviewed Product under Alberta Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Hwy. 1618 and 16:20

Deerfoot Trail (Calgary)

Anthony Henday WB Exit to Hwy. 2 SB (1 unit)

Anthony Henday SE Leg Ring Road (4 units)

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