

Product Evaluation

RE: Review of FLEAT 350 (SP) Steel Post Energy Absorbing Flared Terminal

PRODUCT

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

VENDOR CLAIMS AND INFORMATION

CLAIMS:

FLEAT 350 SP is designed to eliminate the hazards of guardrail ends while bringing a vehicle to a controlled stop. FLEAT 350 SP is NCHRP 350 approved. Product web link: <http://www.roadsystems.com/>

DESCRIPTION:

FLEAT 350 SP is a straight flared terminal system for use with highway guardrail. The FLEAT 350 SP 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 SP system is designed to be used on w-beam guardrail ends.

STANDARDS:

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

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has used this product in many of its projects.

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

RECOMMENDATIONS:

FLEAT 350 SP Energy Absorbing Flared 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

Hwy 63, near Mariana Lake
Hwy 16 Jasper National Park
Hwy 36 by Castor
Hwy 1 by Medicine Hat
Stony Trail East
Hwy 799:02 – Km 1.697, 1.701, 1.762, 1.766 – Bridge File: 74952



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