

HIGHWAY SAFETY DEVICES

IMPACT ATTENUATORS

The following products have met the certification requirements of the National Cooperative Highway Research (NCHRP) Report 350 or MASH 2009, Test Level 3

Reference Materials: [Design Bulletin #64 - Alberta Weak Post W-Beam Barrier System](#)

REVIEWED PROPRIETARY PRODUCTS

REVIEWED PRODUCTS		
FLEAT 350 Energy Absorbing Flared Terminal	Trinity SoftStop End Treatment	110P-LSMA Crush Cushion*
FLEAT 350 SP Energy Absorbing Flared Terminal	Universal TAU-II Crash Cushion	MFLEAT, MASH Flared Terminal*
CAT-350 Crash Cushion	Energite III System Crash Cushion	MASH Sequential Kinking Terminal (MSKT)*
BEAT (Absorbing Terminal)	Brakemaster 350 System Guardrail End Treatment	MAX – Tension Guardrail End Terminal – Tangent* MASH 2009 Compliant
X-Tension Median Attenuator System	Fitch Universal Module System Crash Cushion	TrafFix Delta Crash Cushion*
X-Tension Guardrail End Treatment	QuadGuard Elite System Impact Attenuator	SCI70GM Smart Cushion*
TRACC Crash Cushion	QuadGuard II Impact Attenuator	SCI100GM Smart Cushion*
SKT 350 Sequential Kinking Terminal	ACZ-350 Portable	Absorb-M Crash Cushion*
SKT 350 SP Sequential Kinking Terminal	Quad Guard Impact Attenuator	Universal TAU-M Crash Cushion*
ABSORB 350 Crash Cushion System	SRT - 350 Impact Attenuator	Ermes End Treatment-TL3 MASH*
FLEAT MT	SMA Hercules Crash Cushion	
MASH SLED	QuadGuard M-10 MASH Compliant Crash Cushion MASH 2009 Compliant	

Note: *When any of the above listed product is installed on Alberta Highways for the first time, vendors should inform the Department where these products are installed on Alberta Highways by emailing at trans.innovations@gov.ab.ca .

Designer: to select the appropriate test level to suit the posted speed.

References: AASHTO Roadside Design Guide; and NCHRP 350 for Technical Details