

Product Evaluation

RE: Review of BEAT (Box Beam Bursting Energy Absorbing Terminal)

PRODUCT

BEAT (Box Beam Bursting Energy Absorbing Terminal) is manufactured by Road Systems Inc. located in Big Spring, Texas and distributed by Roadside Supply Ltd located in Sherwood Park, Alberta. Product Web link: <http://www.roadsystems.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS:

BEAT (Box Beam Bursting Energy Absorbing Terminal) meets the criteria of the National Cooperative Highway Research Program (NCHRP) Report 350 Test Level 3 (TL-3).

DESCRIPTION:

BEAT (Box Beam Bursting Energy Absorbing Terminal) is designed to attach directly to the end of standard box beam and median box beam. BEAT is fully re-directive, gating, energy absorbing end terminal. When impacted by an errant vehicle the head of the BEAT pushes down the box-beam rail causing the rail to expand and burst at the corners at a desired energy absorbing rate.

POTENTIAL USAGE:

BEAT (Box Beam Bursting Energy Absorbing Terminal) is designed to protect motorists from impacting the end of a box beam barrier.

STANDARDS:

BEAT (Box Beam Bursting Energy Absorbing Terminal) meets NCHRP Report 350 Test level 3

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE:

Alberta Transportation has no experience with this system.

APPLICATION STANDARDS:

Alberta Transportation does not have a standard for crash attenuators

RECOMMENDATIONS:

BEAT (Box Beam Bursting Energy Absorbing Terminal) be listed as a Reviewed Product under Alberta Transportation Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided.

TRIAL PROJECTS

Highway 529- east of Highway 23 and west of Hwy 842 – installed in August 2012.

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