COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2247-11

Product Evaluation Coordinator
Colorado Department of Transportation
4670 North Holly Street, Unit A
Denver, Colorado 80216

Material code: 630.08.03.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Mobil Impact Attenuator

PART 1

Product name: Alpha 70K TMA

Product category: TC\Crash Cushion, Temporary\Truck Mounted Attenuator (TMA)

Product representative (name & address):
Attn: Roger N. Egan
Interwest Safety Supply, Inc.
195 South Navajo Street
Denver, CO 80223
Phone: (303) 733-8447 FAX: (303) 733-8664

Manufacturer (name & address):
Attn:
Energy Absorption Systems, Inc.
35 East Wacker Drive
Chicago, IL 60601
Phone: (312) 467-6750 FAX: (312) 467-9625

Web-site address: www.energyabsorption.com

Web-site address: www.energyabsorption.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
The Alpha 70K Truck Mounted Attenuator offers a wide range of protection for workers and motorists. It is mounted to the rear of trucks to protect them from impacts at speeds up to 44 mph (70 km/hr). The Alpha 70K TMA features a lightweight cartridge for easy handling, constructed from aluminum to withstand harsh weather and corrosive elements. It has a durashell nose to resist nuisance impacts of 5 mph or less. The Alpha 70K TMA is 100" long, 22.5" high, and 93" wide.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Alpha 70K TMA provides impact protection during slow moving mobile operations i.e. striping and sweeping, & stationary operations like guardrail maint.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Alpha 70K TMA provides protection from impacts of 44 mph (70 km/hr). It absorbs collision energy during rear-end impacts, providing protection to CDOT workers as well as the motorists. The Alpha 70K TMA prevents vehicles from under-riding the truck and reduces expensive equipment damage.

Specifications, (listing those applicable is required) **& Certificate of Compliance** (required to certify compliance with listed specifications):

- [x] CDOT : Standard Specifications Section 630
- [ ] ASTM :
- [ ] AASHTO :
- [x] FHWA : NCHRP 350, TL-2
- [ ] other :

Product testing, (from national/independent laboratories or universities) **& Certified Test Report** (CTR required to validate all claims):

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : FHWA Letter of Acceptance HNG-14 (March 19, 1996)
- [x] other : E-TECH Testing Serves, Inc. (January 1996)

State DOT Approvals, (current documentation required):

Sample submitted: [ ] yes [x] no [ ] n/a

Materials Safety Data Sheets (MSDS): [ ] yes [x] no [ ] n/a

Notes/Additional Comments
A sample Alpha 70K TMA could be made available if CDOT requires it to evaluate the product completely.