COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2564-11

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: Safe-Stop 180° 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

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
The Safe-Stop 180° TMA has a 180° tilt feature that provides maximum protection with minimal length, weight, and height. The 180° tilt feature makes this TMA the shortest height TMA when it is in its storage mode, making it ideal for garage storage and clearing low underpasses. The Safe-Stop 180° TMA folds at the center, reducing the total system's height to just 6'10". The two cartridge sections literally stack on top of one another.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Provides superior crash protection when mounted on CDOT vehicles performing stationary or mobile roadway maintenance.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
The Safe-Stop 180° TMA's cartridges fold at the center, reducing the space needed for storage in the yard. Its rugged steel framework and strike plate are typically reusable after a design impact, thus making the TMA more than 50% reusable after a hit. This significantly reduces cost.

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 HSA-10/CC-78 (July 11, 2002)
- [ ] other : E-TECH Testing Services, Inc. (June 2002)

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 Safe-Stop 180° TMA could be made available if CDOT requires it to evaluate the product completely.