COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3081-11

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: SST TMA

Product category: TC\Crash Cushion, Temporary\Trailer Mounted Attenuator

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 SST TMA (Safe Stop Trailer) is a trailer TMA, hence features speedy attachment which provides rapid deployment, low operating costs, and increased utilization of CDOT's fleet. The specifications are a length of 19 ft. 3 in., width of 7 ft. 9 in., height of 45 in, and a weight of 2650 lbs. The trailer design requires only minimal modification of the host vehicle. Minimum recommended weight of the host vehicle is 9920 lbs. An optional integrated arrow board can be attached directly to the SST TMA. The SST TMA provides high reusability after a design impact and protection from nuisance low speed impacts. The SST TMA has passed all mandatory and optional crash tests per NCHRP 350 TL-3. The SST features anti-rotational dampeners that are designed to lock the TMA in place during an angled impact which minimizes rotation into adjacent traffic lanes.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
The SST TMA provides protection against dangerous impacts when performing highway maintenance or construction operations.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
The trailer design provides for greater utilization of CDOT's fleet due to its quick attachment and release. The SST TMA's 2 cartridge design within a rugged, heavy duty framework provides for high reusability and low repair cost after a design impact.

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

- [x] CDOT : Standard Specification Section 630
- [ ] ASTM :
- [ ] AASHTO :
- [x] FHWA : NCHRP 350, TL-3
- [ ] 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-78C (June 15, 2005), HSSD/CC-78D (July 25, 2007)
- [x] other : E-TECH Testing Serves, Inc. (April 2005)

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 SST TMA could be made available if CDOT requires it to evaluate the product completely.