COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3819-14

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

Material code: 606.02.03.00

FOR INTERNAL CDOT USE

Material code description full name: Guardrail, End Treatments

PART 1

Product name: SoftStop

Product category: Roadway Safety\Guardrail W-Beam\Guardrail End Treatment

Product representative (name & address):
Attn: Chuck Norton
Trinity Highway Products, LLC
950 West 400 South
Centerville, UT 84014
Phone: (800) 772-7976 FAX: (801) 292-2145

Manufacturer (name & address):
Attn: Chuck Norton
Trinity Highway Products, LLC
950 West 400 South
Centerville, UT 84014
Phone: (800) 772-7976 FAX: (801) 292-2145

Web-site address: www.trinityhighway.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
SoftStop is a tangent/non-flared guardrail end terminal that is MASH Test Level 3 and Test Level 2 compliant. Redirective, gating end terminal. Galvanized steel head and posts with 8" or 12" wood or composite blocks. Narrow head (7"). System length of 50'-9 1/2" for TL-3 version, 25'-9 1/2" for TL-2 version. Length of need begins at post #3.

Restrictions, (installation and/or use):
Uni-directional/roadside applications only.

Use of the product, (be specific to CDOT highway activities only):
Provides a crashworthy guardrail end terminal to protect the ends of guardrail.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
This product meets the most recent standard for crashworthy roadside hardware, MASH compliant. Rail is anchored at ground level at the front of the system allowing for quicker repair and easy clean up. Compatible with 31" guardrail systems and mid-span splice guardrail systems.

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

- [x] CDOT : Standard Specifications Section 606.02, 710.05
- [ ] ASTM :
- [x] AASHTO : M 180
- [x] FHWA : MASH Test Level 3 and Test Level 2 compliant
- [ ] other :

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

- [ ] NTPEP-AASHTO :
- [x] FHWA : Eligibility Letter: HSST/CC-115 (12-19-2011), (5-01-2013)(9-05-2013)(9-23-2013)(5-09-2014)
- [x] other : Texas Transportation Institute (2009-10-01)(2009-11-05)(2009-11-24)(2009-12-15)(2010-01-06)(2010-01-12)
- [x] other : Certificate of Verification (12-22-2014)

State DOT Approvals, (current documentation required):
Idaho, Missouri, Oregon

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

Notes/Additional Comments