COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2732-11

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

Material code: 606.02.06.00

FOR INTERNAL CDOT USE

Material code description full name: Barrier, Cable

PART 1

Product name:	Product category:
Safence TL-3, 4-Cable HTCB	Roadway Safety\Cable Barrier\NCHRP 350 TL-3
Product representative (name & address): Attn: Kevin Mally Gregory Industries, Inc. 4100 13th Street SW Canton, Ohio 44710 Phone: (740) 389-1493 FAX: (740) 389-1721	Manufacturer (name & address): Attn: Kevin Mally Gregory Industries, Inc. 4100 13th Street SW Canton, Ohio 44710 Phone: (330) 477-4800 FAX: (330) 477-0328
Web-site address: www.gregorycorp.com	Web-site address: www.gregorycorp.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

The Safence HTCB (High Tension Cable Barrier) is a NCHRP 350 approved TL-3 Longitudinal barrier that can be configured for use with 4 cables for median or shoulder applications. The barrier contains errant vehicles through the help of lateral forces, which gradually redirect or capture the vehicle. Accomplished through the use of Safence End Terminals and recommended post spacing to meet deflection requirements. The system uses a C-Post design which is rolled design fabrication from ASTM A50 steel galvanized per ASTM A123, plastic hardware is added within the post to keep cable heights consistent throughout the system. Pre-Stretched (recommended) or standard cable which shall be 3/4 inch diameter 3 x 7 steel cable manufactured in accordance with ASTM A741, ASSHTO M30, Type 1, and Class A coating. Machine swaged fittings recommended for added durability and safety to be used throughout the system for tensioning of the cable.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):

Longitudinal barrier for median application to help prevent cross median accidents. Also can be used for shoulder applications.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):

Effective means of reducing cross over crashes and making roadways safer. Low cost and easy to maintain and esthetically appealing. Easy and quick maintaining low cost repair.

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

- [x] CDOT : Standard Specification Section 606
- [x] ASTM : A 50 Steel, Galvanization A 123, A 741
- [x] AASHTO : M 30
- [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 :
- [x] FHWA : Letter of Acceptance per NCHRP 350 TL-3, HSA-10/B-88 (July 13, 2001); HSA-10/B-88A (January 28, 2004)
- [ ] other :
- [ ] other :

State DOT Approvals, (current documentation required):

Oklahoma, Wisconsin, New Mexico, Montana, Indiana, Ohio, Pennsylvania, Florida, Massachusetts

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

Notes/Additional Comments

Gregory Industries entered into a manufacturing and distributing agreement with Safence in May 2008. We are a manufacture distributor and developer of highway products ranging from W-Beam Guardrail, End Terminals post and hardware. This product was previously referenced as Safence II.