COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3424-15

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

Material code: 630.07.01.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Barrier (Temp)

PART 1

Product name: BarrierGuard 800 VLB

Product category: Traffic Control\Traffic Barrier, Temporary\NA

Product representative (name & address):
Attn: Tim Beltramo
Dynamic Deflections LLC
1541 Stockyard Road
Pueblo, CO 81001
Phone: (719) 250-3319 FAX: (719) 296-0333

Manufacturer (name & address):
Attn: Sam Arnold
Highway Care
7068 Fire Opal Drive
Las Vegas, NV 89131
Phone: (702) 204-0732 FAX: (702) 242-4733

Web-site address: www.highwaycareusa.com

Web-site address: www.highwaycareusa.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
BarrierGuard 800 VLB (Variable Length Barrier) is a specialized segment of barrier that is 63" long. It has the ability to expand 7 inches and contract 7 inches across bridge expansion joints. This provides continuous protection for bridge workers with no "gap" in barrier protection. There are no foundation anchors needed, the VLB will hydraulically lock upon vehicle impact which aids in the redirection and stability of the vehicle. By allowing 14 inches of total movement the VLB needs only to be placed near the expansion joint not directly on top of it.

Restrictions, (installation and/or use):
N/A

Use of the product, (be specific to CDOT highway activities only):
Continuous barrier protection for bridge workers across bridge expansion joints. No "gap" in barrier protection, like you would see with concrete barriers.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Lightweight continuous barrier protection across bridge expansion joints. The BarrierGuard 800 VLB will expand/contract a total of 14 inches which provides easy placement in the barrier run.

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

- ☐ CDOT :
- ☒ ASTM : 123
- ☐ AASHTO :
- ☒ 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 : Letter of Acceptance, HSSD/B-160 (May 8, 2007)
- ☒ other : Certificate of Verification (May 21, 2015)
- ☐ other :

State DOT Approvals, (current documentation required):
Idaho, Louisiana, Maryland, Minnesota, Nevada, Tennessee

Sample submitted: ☐ yes ☒ no ☐ n/a | Materials Safety Data Sheets (MSDS): ☐ yes ☐ no ☒ n/a

Notes/Additional Comments
California DOT (Caltrans) has 7 VLB's installed into one 1,400 ft barrier run at the Port of Long Beach Bridge (710 Freeway exit).