COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2897-11

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

Material code: 606.02.04.00

FOR INTERNAL CDOT USE

Material code description full name: Guardrail, Blockouts, Synthetic

PART 1

Product name: King Block	Product category: Roadway Safety\Guardrail W-Beam\Guardrail Synthetic Blockout
Product representative (name & address): Attn: Chuck Norton Trinity Highway Products, LLC P.O. BOX 99 Centerville, UT 84014-0099 Phone: (800) 772-7976 FAX: (801) 292-9138	Manufacturer (name & address): Attn: Chuck Norton Trinity Highway Products, LLC P.O. BOX 99 Centerville, UT 84014-0099 Phone: (800) 772-7976 FAX: (801) 292-9138
Web-site address: www.highwayguardrail.com	Web-site address: www.highwayguardrail.com

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

The King Block is a composite, polyethylene/crumb rubber block made from recycled materials. The make up of the materials are: 70% recycled plastic, 28.7% ground recycled rubber, 0.3% blowing agent, and 1.0% color concentrate. The physical specifications are 4" W x 14" L x 7.5" D and 8 lbs.

The King Block was previously named to the Modified King Block to the Southwest Research Institute, the FHWA, and the CDOT. Named was changed in 2008.

Restrictions, (installation and/or use):

Can only be used with steel posts.

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

This offset block is used with W-beam guardrail installations.

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

The composite King Block is more durable than the wood blocks and makes the installation and repair of guardrail easier.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : NCHRP 350, TL-3, 3-11
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☒ FHWA : Acceptance Letter, HSSD/B-85E (May 8, 2007)
- ☐ other :
- ☒ other : Southwest Research Institute (December 18, 2006)

State DOT Approvals, (current documentation required):

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

Notes/Additional Comments