COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3086-11

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: Diamond Block

Product category: Roadway Safety\Guardrail W-Beam\Guardrail Synthetic Blockout

Product representative (name & address):
Attn: Robbie Willaims
Diamond Roadway Products, Inc.
5733 S. Dale Mabry Hwy
Tampa Florida, 33611
Phone: (813) 361-5397 FAX: (813) 835-0848

Manufacturer (name & address):
Attn: Robbie Willaims
Diamond Roadway Products, Inc.
5733 S. Dale Mabry Hwy
Tampa Florida, 33611
Phone: (813) 361-5397 FAX: (813) 835-0848

Web-site address: www.diamondroadwayproducts.com

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

The Diamond Block is made of 100% recycled plastic materials. The physical specifications are 4.6" W x 14.5" L x 7.5" D and approximately 5.8 to 5.9 lbs.

We have developed a W- beam guardrail offset block that has a slot at the top which was designed to accept our click and go reflector bracket. This bracket allows contractors to delineate guardrail in a short time without the use of bituminous materials. We also developed a bracket to fit existing guardrail, as well as barrier and bridge wall. Available bracket sizes: 3" x 3" with a reflective area of 3" x 3"; 4" x 6" with a reflective area of 3" x 3", 4" x 4", 4" x 6"; and 4" x 10" with a reflective area of 3" x 3", 4" x 4", 4" x 6", 4" x 10". The sheeting material is a 3M product of the type required by state specifications.

Restrictions, (installation and/or use):

W- Beam guardrail only.

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

W-Beam Guardrail

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

The money in labor that the state can save in delineation as well as the block being designed to fit on the standard I-beam so the contractors can simply hang the block for installation. No need to align the blocks for the install.

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

- [x] CDOT : Standard Specifications Section 606
- [ ] 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 :
- [x] FHWA : Acceptance Letter, HSSD/B-192 (May 29, 2009)
- [ ] other :
- [x] other : Midwest Roadside Safety Facility (March 3, 2009)

State DOT Approvals, (current documentation required):

AL, ME, MI, NC, OK, SC, TN

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

Notes/Additional Comments

The flat bottom bracket which we call the "Universal Bracket" can be used on bridge and barrier wall for delineation as well.