COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

Reference No. 2730-05

Materials Laboratory
Colorado Department of Transportation
4201 East Arkansas Avenue
Denver, Colorado 80222

PART 1: Completed by Product Representative
PART 2: Completed by CDOT Product Evaluation Coordinator
PART 3: Completed by CDOT Expert Product Evaluator
PART 4: Completed by CDOT Materials Engineer

PART 1

Product name:
"Z" Barrier ABT-120TK

Product category:
TC\Traffic Control Enhancement\Glare Screen

Product representative (name & address):
Advanced Barrier Technologies, Inc. {James K. Rye}
PO Box 2067
Mesquite, NV 89024

Phone: (702) 346-5720 FAX: (702) 346-4252

Manufacturer (name & address):
Advanced Barrier Technologies, Inc.
PO Box 2067
Mesquite, NV 89024

Phone: (702) 346-5720 FAX: (702) 346-4252

Description of product, (be precise, include product differentiation between your products &/or competitor's products):
The "Z" Barrier is for temporary use and is available in ABT-120TK 10'6" x 32" and ABT-120TK 10'6" x 24". The strength is 3600 psi. The density is 50 ils./cu. ft. It has a wind resistance of continuous wind pressure of 43 lbs./sq.ft. which equals approximately 90 mph. The "Z" Barrier modular glare screen is manufactured with high-density polyethylene plastic (HDPE), which will not shatter upon impact, but will remain intact, thus eliminating the risk of flying debris creating a hazardous risk. It will maximize the visual impact upon motorists as they approach a work zone causing a reduction in their speed and become more alert to possible dangers or changing conditions.

Usage of product, (be specific to CDOT highway activities only):
"Z" Barriers are designed to be attached atop concrete barriers, commonly known as Jersey, F-rail or K-rail barriers.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Increased safety, lower initial price point, no maintenance, indestructable HDPE, 8-12 yr. life cycle, 100% recyclable, 4 year warranty, easily stored and transported in nested stacks and ABT offers a buy back credit at the end of it's life cycle. ABT-120TK panels are designed in a vertical zigzag pattern at a 53-degree angle to the flow of traffic. This allows reflective adhesive, directional markers and/or reflective letters or numbers to be applied to the panels relaying messages to motorists.

Specifications, (identify specifically those applicable) **& Certificate of Compliance** (submittal required):

- ☐ CDOT :
- ☐ ASTM :
- ■ AASHTO: 9.5.1
- ☐ FHWA :
- ☐ other :

Product testing, (national/independent laboratories) **& Certified Test Report** (submittal required):

- ☐ NTPEP-AASHTO:
- ☐ HITEC or FHWA :
- ☐ FHWA or other :
- ☐ other :

State DOT Approvals, (current documentation required):
California, New Mexico, New York, Utah, Washington

Evaluation Procedure, (recommended):
None required, California did an extensive 2 year evaluation. References available upon request.

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

Notes/Additional Comments
Sample available upon request. MSDS not required.

Manufacturer's Web-site address: www.advancedbarriertech.com

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