COLORADO DEPARTMENT OF TRANSPORTATION

# PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3079-11

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: Vulcan Gate System

Product category: Traffic Control\Traffic Barrier, Temporary\N/A

Product representative (name & address):
Attn: Roger N. Egan
Interwest Safety Supply, Inc.
195 South Navajo Street
Denver, CO 80223
Phone: (303) 733-8447 FAX: (303) 733-8664

Manufacturer (name & address):
Attn:
Energy Absorption Systems, Inc.
35 East Wacker Drive
Chicago, IL 60601
Phone: (312) 467-6750 FAX: (312) 467-9625

Web-site address: www.energyabsorption.com

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

The Vulcan Gate System is a steel longitudinal barrier that meets NCHRP 350 TL-2 and TL-3 test requirements as a longitudinal redirecting barrier. Vulcan Gate has an installed length of 13.5ft, a system width of 21.5 in., and a system height of 32 in. The weight per module is 871 lbs. Vulcan Gate uses a vertical steel pivot pin to interlink each module allowing the system to follow curves of up to 6 degrees per 4 meter segment. Vulcan Gate sections can be easily raised and lowered with manual jacks with attached caster wheels.

**Restrictions,** (installation and/or use):

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

Vulcan Gate System provides a method for emergency access or construction access in long runs of concrete or steel barrier.

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

Vulcan Gate System provides CDOT an inexpensive means of accessing construction zones, while at the same time providing positive protection in the work zone for all workers. Its light weight and portability allows it to be deployed quickly and efficiently. Vulcan Gate can be opened or closed in a matter of a few minutes.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : NCHRP 350, TL-2 & TL-3
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : FHWA Letter of Acceptance HSSD/B-134C (November 21, 2007)
- ☒ other : E-TECH Testing Serves, Inc. (August 2007)

**State DOT Approvals**, (current documentation required):

Sample submitted: ☐ yes ☒ no ☐ n/a

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

Notes/Additional Comments

A sample Vulcan Gate System could be made available if CDOT requires it to evaluate the product completely.