COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3555-13

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

Material code: 630.08.01.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Glare Screen

PART 1

Product name: Screen-Safe

Product category: Traffic Control\Traffic Control Enhancement\Glare Screen

Product representative (name & address):
Attn: Roger Egan
Interwest Safety Supply, Inc.
195 S. Navajo St.
Denver, CO 80223
Phone: (303) 733-8447 FAX: (303) 733-8664
Web-site address: www.iwsafety.com

Manufacturer (name & address):
Attn: Rich Brown
Transpo Industries, Inc.
20 Jones Street
New Rochelle, NY 10801
Phone: (800) 321-7870 FAX: (914) 636-1282
Web-site address: www.transpo.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Screen-Safe is fabricated from 25 gauge steel AISI 1010 or 1008, which has been double reverse corrugated and hot dip galvanized to ASTM A-653 coating designation G90. Fabricated product is then finished in medium gloss epoxy powder coat with zinc conforming to ASTM D-523 for gloss and B117 for salt spray resistance (1.8 mil coating thickness). All hardware is galvanized or stainless steel. Finished product, Screen-Safe, can be mounted on new or existing concrete barrier, wood post guardrail, and steel post guardrail to produce an NCHRP 66 Type I permanent glare screen to shield drivers from oncoming headlight glare when viewed at any angle on a plane horizontal to the screen. Available in 50 foot length rolls, 24 inches in height.

Restrictions, (installation and/or use):
Can be installed on new or existing concrete barrier, wood post guardrail, and steel post guardrail.

Use of the product, (be specific to CDOT highway activities only):
Ideal on curved and straight roadways & frontage roads as a headlight glare screen, "gawk" screen, work zone safety screen, & to deter pedestrian crossing.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Screen-Safe is a permanent continuous monolithic mesh that is installed under tension making it conducive to high speed traffic, high wind loads, and snow plow debris. Due to its centered mounting location it is not susceptible to damage from passing vehicles and most impacts to the barrier. Its overall maintenance free characteristics will minimize road crew exposure and keep the product functioning for its intended use.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : TRB's NCHRP 66, Type 1
- ☒ other : MUTCD 6F.88, 2009

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☐ other :
- ☐ other :

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

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

Notes/Additional Comments
Screen-Safe is listed in NCHRP 66 as a Type I glare screen and can only be categorized or specified to any national standard as presented in this report submitted December 1979 as a cooperative effort between AASHTO and FHWA. States who have approved use have done so with their own evaluation based on a test installation under local standards and conditions.