COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3523-12

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

Material code: 630.05.02.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Tubular Marker

PART 1

Product name:	Product category:
IRS Tuff Post Tubular Marker	Traffic Control\Channelizing Device\Tubular Marker
Product representative (name & address): Attn: Amanda Kingery Impact Recovery Systems 4955 Stout Drive San Antonio, TX 78219 Phone: (210) 736-4477 FAX: (210) 734-6448	Manufacturer (name & address): Attn: Amanda Kingery Impact Recovery Systems 4955 Stout Drive San Antonio, TX 78219 Phone: (210) 736-4477 FAX: (210) 734-6448
Web-site address: impactrecovery.com	Web-site address: impactrecovery.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Impact Recovery Systems' (IRS) Tuff Post Tubular Marker is made from High Density Polyethylene that is resistant to UV light, ozone, and hydrocarbons. They come equipped with a spring assembly that consists of a stainless steel cable, custom spring, and a pivoting hinge near the bottom of the post. They are 3" in diameter and are available in white and yellow in 36", 42", 48" and custom lengths. The posts have two optional bands of 3"x8" reflective sheeting that conforms to the requirements of ASTM D 4956.

Restrictions, (installation and/or use):
Use only in accordance with MUTCD.

Use of the product, (be specific to CDOT highway activities only):
Divide opposing lanes of traffic, channelize traffic in exit only applications, delineate edge of pavement drop-off, indicate changes of alignment in roadway.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
The IRS Tuff Post Tubular Markers are highly visible both day and night and can withstand multiple impacts reducing the cost to replace the posts. They also come equipped with a quick release option so that the post may be replaced quickly reducing exposure time for highway workers.

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

- [x] CDOT : Standard Specification, Sections 630.05 and 713.10 (b)
- [ ] ASTM :
- [ ] AASHTO :
- [x] FHWA : NCHRP 350 Self Certified
- [x] other : MUTCD 2009, Section 6F.65

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

- [ ] NTPEP-AASHTO :
- [x] FHWA : NCHRP 350 Acceptance Letter, 01/28/98, Refer No. HNG-14
- [ ] other :
- [ ] other :

State DOT Approvals, (current documentation required):
Georgia, North Carolina, Maryland

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

Notes/Additional Comments