COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2978-11

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

Material code: 630.04.01.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Electronic Flagger

PART 1

Product name: AutoFlagger(tm) [Models AF-76 & AF-96]	Product category: Traffic Control\Traffic Control Enhancement\AFAD
Product representative (name & address): Attn: David Jones Safety Technologies 7079 Mid Oaks Ave. N. Stillwater, MN 55082 Phone: (651) 439-9760 FAX: (651) 388-3272	Manufacturer (name & address): Attn: David Jones Safety Technologies 28932 Hwy. 58 Blvd. Red Wing, MN 55066 Phone: (888) 352-4437 FAX: (651) 388-3272
Web-site address: www.autoflagger.com	Web-site address: www.autoflagger.com

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

AutoFlagger(tm) Model AF-76: overall length 147", overall width 76"; AutoFlagger(tm) Model AF-96: overall length 167", overall width 96". Trailer mounted STOP/SLOW paddle Automated Flagger Assistance Device (AFAD). 36" Diamond Grade signs, 7' high sign height, has reflective telescoping break-away gate arm. Wireless remote controls use 900 MHz spread spectrum RF communication with 6 levels of security for error and interference-free sign-handheld controller communication. No FCC license is required to use this device. Has nested trailers, allowing two AFADs to be legally towed at once. Can be set-up, operated, taken down and returned to storage by one person. Has loud work zone intrusion alerting device. Has provisions to avoid having both signs erroneously say SLOW at the same time. Has solar charger for sign batteries. Has onboard charger for multiple hand-held controller batteries so that flaggers always have a charged battery available.

Restrictions, (installation and/or use):

Per 2009 MUTCD, Section 6E.04

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

Traffic Control device for work zones & haul roads: 1) Allows flaggers to be positioned out of harm's way when controlling traffic 2) On short work zones.

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

1) Allows flaggers to be strategically located out of the path of vehicles. They stay alive and can warn entire work crew of danger from errant vehicles.
2) Motorists obey AFADs better than flaggers.
3) Single flagger use allows DOT to do more with fewer personnel.
4) Robust design is virtually maintenance free, with no erroneous/false RF commands being received by signs.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☐ FHWA :
- ☒ other : 2009 MUTCD Edition, Section 6E.04

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Virginia Transportation Research Council (October 2006)
- ☒ other : MN DOT (February 2005)

State DOT Approvals, (current documentation required):

MN

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

Notes/Additional Comments