COLORADO DEPARTMENT OF TRANSPORTATION

# PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2840-11

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

Material code: 630.08.02.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Zone, Miscellaneous

## PART 1

| | |
|---|---|
| Product name: "Day-Viz" BlinkerSign | Product category: TC\Traffic Control Enhancement\Warning Light |
| Product representative (name & address): Attn: Bryan Everard, TAPCO, 5100 West Brown Deer Road, Brown Deer, WI 53223. Phone: (866) 814-7337 FAX: (800) 444-0331 | Manufacturer (name & address): Attn: Bryan Everard, TAPCO, 5100 West Brown Deer Road, Brown Deer, WI 53223. Phone: (866) 814-7337 FAX: (800) 444-0331 |
| Web-site address: www.tapconet.com | Web-site address: www.tapconet.com |

**Description of the product:** (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
"Day-Viz" BlinkerSign is an LED enhanced traffic sign meeting guidelines of MUTCD 2A.07. The signs are primarily Regulatory and Workzone of the dimensions required by specification. The solar powered signs are self-contained and provide a 30 day autonomy flashing 24/7. LEDs in the Border provide large footprint of light. System provides autodim feature based on ambient lighting in the sky.

**Restrictions,** (installation and/or use):
Solar Signs need direct sunlight.

**Use of the product**, (be specific to CDOT highway activities only):
Stop signs, Yield signs, Warning signs, Wrong Way signs for Off ramps, Speed Limits, Crosswalk Signs, Regulatory and Workzone signs

**Benefits to CDOT**, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Lower cost that Feedback signs, changeable message signs or solar Beacons. LED enhanced signs provide larger footprint of light therefore are more effective.
Solar Signs allow for easy installation and little maintenance and zero electrical costs. These systems can be designed to fit any problematic traffic issue you may have.

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

- ☐ CDOT :
- ☐ ASTM :
- ☐ AASHTO :
- ☒ FHWA : MUTCD 2A.07, 2009
- ☐ other :

**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 (June 2007), Vermont DOT (February 2011)
- ☒ other : University of Florida (04-19-2011), TTI (October 2003)

**State DOT Approvals**, (current documentation required):
GA, ME, MS, WA

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

Notes/Additional Comments