COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3082-12

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

Material code: 608.02.03.00

FOR INTERNAL CDOT USE

Material code description full name: ADA Truncated Domes

PART 1

Product name: Detectable Warning Panels

Product category: Pedestrian Safety\ADA Truncated Dome\Embedded

Product representative (name & address):
Attn: Michael Marvin
ADA Answer Industries
1400 S. Campus Ave.
Ontario, CA 91761
Phone: (909) 230-4064 FAX: (909) 391-9033
Web-site address: www.answerindustries.com

Manufacturer (name & address):
Attn: Michael Marvin
ADA Answer Industries
1400 S. Campus Ave.
Ontario, CA 91761
Phone: (909) 230-4064 FAX: (909) 391-9033
Web-site address: www.answerindustries.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Detectable Warning Panels for the visually impaired. ADA Answer Industries's unique one panel design for both replaceable Cast-in-Place and Surface applied applications. Made of military grade fiber reinforced composite material. Exclusive industry proven diamond plate design for enhanced slip and wear resistance. Outstanding "Sound on Cane" acoustic quality. Superior UV stability, wear and weather resistant material. Panel sizes of 2' x 4', 2' x 5', 3' x 4', 3' x 5'. Unique cast-in-place anchors are specially designed and extend 2 7/8" into the wet concrete. These screw-on polypropylene anchors are attached to the back of the domed panels through pre-drilled and countersunk holes. Five standard colors are available. Compressive strength in excess of 10,000 psi, flexural strength in excess of 13,000 psi, and tensile strength in excess of 4,000 psi.

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Use on handicap ramp and zero curb face access. Warning visually impaired that they are approaching a roadway or intersection shared with vehicles.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Ease of installation, replaceability, robust military grade material, one panel design for both cast-in-place and surface applied applications, superior "sound of cane" qualities, integrated UV and color for long term durability. Exceeds all state and federal ADA and ADAAG requirements, priced below competitive products and a five year warranty.

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

- [x] CDOT : M & S Standards, M-608-1, Sheet No. 1 of 4
- [x] ASTM : C-501, D-570, D-2299, D-695, D-638, D-790, C-1028
- [ ] AASHTO :
- [ ] FHWA :
- [ ] other :

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

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : SGS (10-31-2008, 11-03-2008)
- [x] other : TCNA (5-07-2007)

State DOT Approvals, (current documentation required):
California, Oregon, Utah, Washington

Sample submitted: [x] yes [ ] no [ ] n/a

Materials Safety Data Sheets (MSDS): [ ] yes [ ] no [x] n/a

Notes/Additional Comments