COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2649-11

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

Material code: 713.04.01.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Control, Reflective Sheeting

PART 1

Product name: 3M High Intensity Prismatic Barricade (#334/336)

Product category: Traffic Control\Sign Sheeting\ASTM D 4956, Type IV

Product representative (name & address):
Attn: Ted Denisuk
3M Traffic Safety Systems Division
1370 Quentin Street
Aurora, CO 80011
Phone: (303) 520-6754 FAX: (303) 344-2161
Web-site address: www.3M.com/tss email: tdenisuk@mmm.com

Manufacturer (name & address):
Attn: 3M Customer Service
3M Company- Traffic Safety Systems Division
3M Center, Building 235-03-A-09
St. Paul, MN 55144
Phone: (800) 553-1380 FAX: (800) 593-9293
Web-site address: www.3M.com/tss

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

3M High Intensity Prismatic Barricade Sheeting (Series #334/336) is a high quality, durable, impact resistant, non-metallized micro-prismatic lens high intensity barricade sheeting. Series 334/336 consists of micro-prismatic lens in a transparent resin, sealed and backed by a pressure sensitive adhesive, protected by a liner.

Series 334/336 is available in the following pre-striped orange and white configurations: 4" left stripe (334-L), 4" right stripe (334-R), 6" left stripe (336-L) and 6" right stripe (336-R).

Note: Series 334/336 uses 3M High Intensity Prismatic Reflective Sheeting Series 3930 as its base sheeting.

Restrictions, (installation and/or use):

The application temperature (and substrate temperature) should exceed 60°F.

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

Series 334/336 is intended for the reflectorization of work zone traffic control barricades. Series 334/336 is designed for use on aluminum.

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

* Outperforms enclosed / encapsulated lens and other prismatics in every important category
* Tougher topcoat that provides improved scuff, scratch and gouge resistance

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

- [x] CDOT : Standard Specifications, Section 630.02, 2011.
- [x] ASTM : D 4956-09 e1, Type IV
- [ ] AASHTO :
- [ ] FHWA :
- [ ] other :

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

- [x] NTPEP-AASHTO : 2006 SSM-1149
- [ ] FHWA :
- [ ] other :
- [ ] other :

State DOT Approvals, (current documentation required):

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

Notes/Additional Comments

State DOT approvals referenced but not documented: SC, TX, LA, IN, GA, FL, CT, AL, NC