COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3548-12

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

Material code: 713.05.01.00

FOR INTERNAL CDOT USE

Material code description full name: Traffic Control, Sign Hardware

PART 1

Product name:	Product category:
SNAP'n SAFE Breakaway U-Channel Surface Mount Coupler	Traffic Control\Post Anchoring\Mechanical System
Product representative (name & address): Attn: Karen Hentemann Intermountain Sign & Safety 5320 E. Seltice Way Post Falls, ID 83854 Phone: (208) 773-3119 FAX: (208) 733-3669	Manufacturer (name & address): Attn: Jennifer Schiess Designovations, Inc. 7339 Wildwood Road Stillman Valley, IL 61084 Phone: (815) 645-8598 FAX: (815) 645-2389
Web-site address: http://www.intermountainsign.com	Web-site address: http://www.designovations.com

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

The surface mounted SNAP'n SAFE Breakaway U-Channel Sign Post Couplers are designed to provide safe roads while saving time and money. Roadways are safer because upon impact, the sign post breaks away at the coupler and does not strike the windshield or roof of the vehicle. This mandate is specified in the updated NCHRP Report 350. The SNAP'n SAFE U-Channel Couplers are used in conjunction with standard 2#, 3# or 4# u-channel sign posts as a breakaway system for permanent small sign supports in surface mounted applications. The clean design of the SNAP'n SAFE allows for easy installation and the elimination of all concrete boring. Using the SNAP'n SAFE coupler as a template, mark the hole locations on the concrete surface, drill holes, then realign coupler & attach to concrete surface with wedge bolts. Next, align the sign post on top of the coupler. Installation is complete by securing with (2) bolts & hardware. Special tools are not needed. SNAP'n SAFE implementation will reduce overall road crew exposure to traffic as well as save departmental costs because sign installation and repair can be done in half the time with one person.

Restrictions, (installation and/or use):

For use with 2#, 3# or 4# u-channel sign posts, when installing on concrete surfaces.

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

SNAP'n SAFE Breakaway U-Channel Sign Post Couplers are utilized as a breakaway device for permanent small sign supports on roads and highways.

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

1. Safer Roadways for Drivers - Meets and exceeds the more stringent damage levels contained in the updated NCHRP Report 350 specifications for ground mounted sign supports and meets the nationally mandated requirement of the MUTCD Section 2A-19. FHWA accepted.
2. Saves Money - Used with standard 2#-4# u-channel sign posts, special tools are not required and all concrete boring is eliminated.
3. Reduces Time and Labor - Clean design & minimal elements allow for easy installation & repair, time is cut in half due to a reduced crew and no concrete boring.

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

- [x] CDOT : Standard Specifications, Section 630.09
- [ ] ASTM :
- [ ] AASHTO :
- [x] FHWA : Approval Letter: HSSD/SS-156 (December 6, 2007)
- [ ] other :

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

- [ ] NTPEP-AASHTO :
- [ ] FHWA :
- [x] other : Texas Transportation Institute (8-03-2007)
- [ ] other :

State DOT Approvals, (current documentation required):

Indiana, Minnesota, North Carolina, South Carolina, Utah, Virginia

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

Notes/Additional Comments

The SNAP'n SAFE Breakaway U-Channel Sign Post Coupler is a member of the SNAP'n SAFE Product Family. The SNAP'n SAFE products accommodate standard square, round and u-channel post profiles. All products are accepted by the Federal Highway Administration. Proudly, the SNAP'n SAFE couplers are manufactured in the U.S.A.
Crash Testing Video - www.designovations.com/testvideos.htm
If any additional information is needed, please contact us toll free at 1-888-868-6588. Samples available upon request. Thank you.