COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 2982-11

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

Material code: 707.12.01.00

FOR INTERNAL CDOT USE

Material code description full name: Pipe, Repair, Lining

PART 1

Product name: Snap-Tite Culvert Liner

Product category: Drainage\Culvert Pipe\Culvert Lining [repair]

Product representative (name & address):
Attn: Russ Wosk
Snap-Tite Division of ISCO Industries, LLC.
4725 Flightline Drive
Kingman, AZ 86401
Phone: (303) 501-2133 FAX: (502) 714-5481

Manufacturer (name & address):
Attn: Steve Ramsey
ISCO Industries, LLC.
926 Baxter Avenue
Louisville, KY 40204
Phone: (502) 318-6632 FAX: (502) 568-4032

Web-site address: www.culvert-rehab.com

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Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
The Snap-Tite Culvert Liner utilizes high density polyethylene (HDPE) pipe with the patented Snap-Tite joining system. The Snap-Tite joint is machined on the ends of PE 3408 HDPE pipe. Snap-Tite pipe comes in lengths ranging from 2 feet to 50 feet; sections are inserted into old culverts forming one continuous leak-free liner. Once anchored and sealed by grouting, the new system is virtually maintenance free. Existing pipe ID from 12" to 84" can be repaired with Snap-Tite OD from 10.75" to 63" (16 diameters available).

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Snap-Tite allows the replacement of failing road culvert systems and storm drains without the need to remove existing pipe by excavation.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
Snap-Tite culvert lining system involves simple installation, typically a backhoe, chains, and come-a longs are all that is needed. Time and money is saved compared to the conventional remove and replace method. It is safer for workers and motorists since the work is done in the culvert, not on the road. Rehabilitating culverts utilizing the Snap-Tite system gives the long service life with no interruption of services and reduced traffic control.

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

- ☐ CDOT :
- ☒ ASTM : D 3350-02, F 714-08, D 3212
- ☒ AASHTO : M 326-08
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Utah Water Research Laboratory, Utah State Univ. Research Foundation, Hydraulics Report No. 1250 (March 2004)
- ☒ other : T.A. Weigel, PhD, PE Consultant (June 19, 2009)

State DOT Approvals, (current documentation required):
AZ, NM, PA, WA

Sample submitted: ☒ yes ☐ no ☐ n/a

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

Notes/Additional Comments
A sample is available upon request at no cost to the DOT.