COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3788-14

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

Material code: 518.03.01.00

FOR INTERNAL CDOT USE

Material code description full name: Expansion Device, Asphaltic

PART 1

Product name: Matrix 501 (Lot #T8547)	Product category: Sealant\Asphaltic Plug Joint\N/A
Product representative (name & address): Attn: Wally Smith CRAFCO, INC. 420 N. Roosevelt Ave. Chandler, AZ 85226 Phone: (602) 276-0476 FAX:	Manufacturer (name & address): Attn: Paul Gonzales CRAFCO, INC. 6975 W. Crafco Way Chandler, AZ 85226 Phone: (602) 276-0476 FAX: (480) 961-4772
Web-site address: www.crafco.com	Web-site address: www.crafco.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
Matrix 501 (PN 33345) Asphaltic Plug Bridge Joint System is a pre-measured, pre-packaged hot-applied bridge expansion joint system primarily composed of uniquely formulated polymer modified asphalt binder combined in one box with the exact ratio of select aggregate. It can accommodate up to +/- 3/4 inch of annual joint movement. Matrix 501 can be installed on skews up to 45 degrees and can be used for joint gaps up to 6 inches. It meets the requirements of ASTM D 6297.

Restrictions, (installation and/or use):
Pavement temperature minimum is 40°F. Recommended Application Temperature is 380° F. Maximum Heating Temperature is 400° F.

Use of the product, (be specific to CDOT highway activities only):
This material can be added to the bridge joint once blended with the prepackage aggregate.

Benefits to CDOT, (how will your product enhance quality, improve safety, save money, be a better value then other manufacturer's products):
When Matrix 501 is applied properly, it will prevent moisture and incompressible material from getting into the bridge joints resulting in a better ride and extending the life of bridge and pavement.

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

- ☐ CDOT :
- ☒ ASTM : D 6297
- ☐ AASHTO :
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : Western Technologies, Inc. (08-25-2014)
- ☐ other :

State DOT Approvals, (current documentation required):

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

Notes/Additional Comments