COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3157-10

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

Material code: 702.03.19.00

FOR INTERNAL CDOT USE

Material code description full name: Emulsion CSS-1h

PART 1

Product name: CSS-1h (2010)	Product category: Asphalt\Emulsion\CSS-1h
Product representative (name & address): Attn: Eric Casebolt Blue Knight Energy Partners Materials/Suncor Energy Inc. 4308 East 60th Avenue Commerce City, Colorado 81002 Phone: (303) 288-6861 FAX:	Manufacturer (name & address): Attn: Marshall Shackelford Suncor Energy Inc. (USA) Commerce City Refinery-Commodity 5801 Brighton Blvd. Commerce City, Colorado 80022 Phone: (303) 793-8094 FAX:
Web-site address: www.suncor.com	Web-site address: www.suncor.com

Description of the product: (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)
An emulsified asphalt cement designated as CSS-1h, which stands for Cationic Slow Setting - 1 (viscosity) hard (binder residue).

Restrictions, (installation and/or use):

Use of the product, (be specific to CDOT highway activities only):
Asphalt Emulsion for Tack Coats

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

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

- ☐ CDOT :
- ☐ ASTM :
- ☒ AASHTO : M 208, Table 1 (Requirements and Typical Applications for Cationic Emulsified Asphalt)
- ☐ FHWA :
- ☐ other :

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☐ other :
- ☐ 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