COLORADO DEPARTMENT OF TRANSPORTATION

PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY

APL Reference No. 3436-12

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

Material code: 712.14.01.00

FOR INTERNAL CDOT USE

Material code description full name: Drain, Surface

PART 1

Product name:	Product category:
Polycast® FP800 Series	Drainage\Manholes & Inlets\Trench Drain
Product representative (name & address): Attn: David Allard Hubbell Lenoir City, Inc. 3621 Industrial Park Drive Lenoir City, TN 37771 Phone: (865) 635-2139 FAX: (865) 986-0585	Manufacturer (name & address): Attn: David Allard Hubbell Lenoir City, Inc. 3621 Industrial Park Drive Lenoir City, TN 37771 Phone: (800) 346-3061 FAX: (865) 986-0585
Web-site address: http://www.polycastdrain.com	Web-site address: http://www.polycastdrain.com

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

The Polycast® FP800 Series is a Pre-Sloped Trench Drain System. This drain is 8" wide and comes in both 4' and 8' lengths for maximum flexibility. The preformed trench drain shall be a polyester matrix. The frame clear opening dimension shall be 7.92" and the channel widths shall be 8.25" with full bottom radius. The grating and frames shall be made of steel (ASTM A-36), ductile iron (A-536), and meet AASHTO HS-20 and FAA load requirements. Ideal for use in high volume roadways as it boasts a flow rate of over 3700 gallons per minute. Grates are rated for HS-20 and up to DIN Class F. Designed with the installer in mind, this revolutionary design incorporates full 360° interlocks and prefabricated turns and tees to minimize installation time.

Restrictions, (installation and/or use):

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

The ideal solution for high volume flow situations such as airports and roadways.

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

The FP Series Trench Drain System is designed specifically for fast installation. By utilizing 96 inch long sections and prefabricated turn and Tee-s the need for field modifications prior to concrete placement is all but eliminated. 360 degree interlocks mean that almost no time is spent having to ensure proper alignment. This leads to a much faster installation time than other systems meaning there is a lower final cost and better value to the end user.

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

- ☐ CDOT :
- ☒ ASTM : A-536 (Ductile Iron)
- ☒ AASHTO : M-306, H-20, H-25 (Wheel Loading)
- ☐ FHWA :
- ☒ other : ANSI SCTE 77 (Chemical Resistance), Federal FAA Advisory Circular AC 150/5320-6E (Airport Wheel Loading) DIN 19580/DIN EN 1433 (Wheel Loading)

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

- ☐ NTPEP-AASHTO :
- ☐ FHWA :
- ☒ other : S&ME (November 1, 2011)
- ☐ 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

A sample is available upon request at no cost to the DOT or customer.