

RE: Review of CENTRI PIPE Trench-less System

PRODUCT

CENTRI PIPE Trench-less System is manufactured by AP/M Permaform located in Johnston, Iowa and distributed by Martech Marketing located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

CENTRI PIPE Trench-less System is a revolutionary new process for the structural renewal of culverts and sanitary sewer pipe. The CENTRI PIPE Trench-less System is used to rehabilitate deteriorated drainage pipes without the use of excavating, paving and detours. Product web link:

<http://www.centripipe.com/site/>

DESCRIPTION

CENTRI PIPE Trench-less System consists of AP/M self consolidating PL-12000 mortar which is pumped into the damaged invert. Then CENTRI PIPE high speed spin caster is placed in the center of the pipe AP/M PL-8000 concrete is centrifugally cast evenly around the interior of the pipe.

POTENTIAL USAGE

CENTRI PIPE Trench-less System uses the same time tested materials and technology successful used for manhole repairs since 1985. ASTM International has established the standard for manhole lining and will soon have a standard for Centrifugally Cast Concrete Pipe (CCCP).

STANDARDS

ASTM C-109 – Standard Test Method for Compressive Strength of Hydraulic Cement Mortars
ASTM C-157 – Modified Standard Test Method for Length Change of Hardened Hydraulic Cement Mortar and Concrete

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product. Alberta Transportation has rehabilitated many culverts using plastic and steel liners.

APPLICABLE STANDARDS

Alberta Transportation specification 2.22 Plastic Culvert Extensions and Culvert Liners

RECOMMENDATIONS:

A CENTRI PIPE Trench-less System be listed as a Trial Product under Alberta Transportation Products List, Culverts – Culvert Liner – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance

TRIAL PROJECTS

BF9796 are twin culverts located 25 km west of Athabasca on Highway 2 in North Central Region.

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Clayton Matwychuk/Dave Besuyen
James Poole/Jim Gavin