

Product Evaluation

Product ID: 8090-7-1
Initiation Date: August 9, 2001
Revision Date: January 6, 2009

RE: Review of Beaver Proof ADD ON (Beaver Control for Culverts)

PRODUCT

The Beaver Proof ADD ON can be used on existing culverts as well as with new culvert construction. This product is manufactured by All Terrain Consulting in Stony Plain, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Beaver Proof ADD ON is designed to be environmentally friendly as it allows for fish passage and easy maintenance while preventing beavers from plugging the culverts. This product can be manufactured to fit culverts that have sloped ends such as the culverts used on Alberta highways.

DESCRIPTION

The Beaver Proof ADD ON is made from a wide variety of different sized culverts. The Beaver Proof ADD ON can be connected to various culvert material types such as steel, plastic and concrete culverts.

POTENTIAL USAGE

In excess of 100 Beaver Proof ADD ON systems have been installed and tested in the past 3 years. This beaver control system has been operating very well since 1998 and has been maintenance free since installation. The Beaver Proof ADD ON has been installed on culverts up to 1500 mm in diameter.

STANDARDS

No standards submitted.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product. Over the years various types of Beaver Control units have been tried to prevent beavers from plugging drainage culverts. No one product has been successful as the culverts are eventually plugged.

APPLICABLE STANDARDS

The Alberta Transportation Standard Specification for Culverts is as follows:

Standard Specification for Highway Construction 2.4 Culverts

CONCERNS

Fish and Wildlife had a concern with the outlet grate, as the bars were placed horizontal to the culvert. These bars caused water to ripple over the bars making it difficult for fish passage. The outlet grate was re-designed with the bars placed vertically and 150 mm apart. The new outlet grate design makes for easy fish passage as no water ripples are created.

RECOMMENDATIONS

Post product information on the Alberta Transportation Recognized Products List under Proven Products, Culverts: Beaver Control – Proprietary, Beaver Proof ADD ON based on the information provided.

Note: "Use is restricted to Non-fish bearing streams".

TRIAL PROJECTS

Hwy. 621, Drayton to Cynthia
Hwy. 621, 10 km west of Highway 22

Joe Filice

cc New Product Evaluation Standing Committee – Terry Willis
Sal Hasham