

## Product Evaluation

### RE: Review of Davidson Traffic Control "I-Flex" Hinged Guardrail Reflector

#### **PRODUCT**

The Davidson Traffic Control I-Flex Hinged Guardrail Reflector is manufactured by PEXCO Davidson Traffic Control Products located in Atlanta, Georgia and distributed by Alberta Traffic Supply Ltd. Located in Edmonton, Alberta.

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

The I-Flex Hinged Guardrail Reflector is designed to increase the visibility of guardrails. The I-Flex Marker is designed to be covered with retro-reflective sheeting products that meet or exceed ASTM Type VIII in either white or yellow depending upon the side of the road the marker will be installed to correspond with the road markings. Product web site: <http://www.pexco.com/pages/traffichome.aspx>

##### **DESCRIPTION**

The I-Flex Hinged Guardrail Reflector is a continuous Co-Extrusion of high impact rigid plastics with the use of an extremely flexible and durable polyurethane hinge. The I-Flex marker incorporates 3M reflective sheeting.

##### **POTENTIAL USAGE**

The I-Flex Hinged Guardrail Reflector is intended to be glue mounted to the top of I-Beam steel uprights used on many of the current W-channel guardrail systems. The rigid upper section of the reflector is allowed to flex at the urethane hinge rather than longitudinally along the profile, thus decreasing or eliminating the cold shock issue. Several states have been using this product for years and several others have recently added this product to their Qualified Products List.

##### **STANDARDS**

Utah Department of Transportation standard specification 02890 and standard drawing GW9

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation uses a reflective strip for guardrail post delineation conforming to Standard Specifications for Highway Construction, Specification 2.19 Guardrail and Guide Posts.

##### **APPLICATION STANDARDS**

The Alberta Transportation Specification for guardrail and guide post delineation is as follows:  
Standard Specification for Highway Construction, Specification 2.19 Guardrail and Guide Posts

##### **RECOMMENDATIONS**

Davidson Traffic Control I-Flex Hinged Guardrail Reflector be listed as a Proven Product under Alberta Transportation's Products List, Traffic Control Devices – Barrier Mounted Delineators – Proprietary based on the information provided.

#### **TRIAL PROJECTS**

Hwy 597:02, 41:18

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Richard Chow  
James Poole  
Jim Gavin