

**Product Evaluation**

Product ID: 8280-3-2-11  
Initiation Date: September 2010  
Revision Date: December 21, 2022

**RE: Review of PEXCO FG300 Interstate/Turnpike Grade Curb Systems with Delineator and Base Options**

**PRODUCT**

PEXCO FG300 Interstate/Turnpike Grade Curb Systems with Delineator and Base Options is manufactured by PEXCO Davidson Traffic Control Products located in Atlanta, Georgia and distributed by Alberta Traffic Supply of Edmonton, Alberta.

**VENDOR CLAIMS AND INFORMATION**

**CLAIMS**

PEXCO FG300 Interstate Grade Curb Systems is a median separation system, FHWA approved as a passive traffic control device consisting of modular raised curb sections and channelizer posts. PEXCO FG300 systems are designed for use wherever pavement markings are not sufficient to provide safe channelization. PEXCO FG300 system can withstand multiple high speed impacts (112 k/hr) and easy replacement of worn parts. Product web link:

<http://www.pexco.com/Pages/TrafficHome.aspx>

**DESCRIPTION**

The PEXCO FG300 Interstate/Turnpike Grade Curb Systems with Delineator and Base Options system is composed of 100% recyclable plastic under Type 7 of the uniform resin codes, which provides the greatest rebound of any flexible polymer. PEXCO FG300 system is a one-piece construction utilizing UV stable, high impact engineering polymers and solid color throughout.

**POTENTIAL USAGE**

The PEXCO FG300 Interstate/turnpike Grade Curb Systems can accept any of the FG300 grade posts (PE, UR or EFX) as well as any of the vertical panels mounted to the FG300 EFX posts. All FG300 delineator posts are easily interchangeable with removal of two pins and are available in a variety of colours, lengths (15" to 48") and reflective sheeting options. The Curb Systems are designed to accept and function with any of the following Channelizer delineation posts:

- EFX – Polyurethane construction provides high tensile and elongation properties with superior resistance to tearing and puncture.
- UR – Industry standard for toughness, impact resistance and long lasting performance. The UR was developed for high speed 2-way, 2-lane detour operations.
- PE – Constructed of low-density polyethylene (LDPE), Model PE is ideal for applications with average impact frequency.

The FG300 Posts can also be used as stand-alone delineators for surface mount applications with the following base options:

- Standard Black Base (8"x8")
- Heavy Duty Base (8"x8")
- Metro Base (5"x8")
- Invisibase – Winter/Summer
- Portable Banana Rubber Base 35 pounds, heavy-duty base
- Portable Cookie Rubber Base 10 pounds, light duty base

PEXCO FG300 curb systems provide a five year pro-rated warranty and a 1 year limited warranty on the EFX upright posts.

**STANDARDS**

NCHRP 350 Approved, Category II testing and certification

## **ALBERTA TRANSPORTATION COMMENTS**

### **EXPIERENCE**

Alberta Transportation uses flexible guidepost traffic delineators conforming to Standard Specifications for Highway Construction, Specification 5.28 Supply Flexible Guide Post Traffic Delineators.

### **APPLICATION STANDARDS**

The Alberta Transportation Specification for Flexible Guide Post Traffic delineators is as follows:  
Standard Specification for Highway Construction, Specification 5.28 Supply Flexible Guide Post Traffic delineators.

### **RECOMMENDATIONS**

PEXCO FG300 Interstate/Turnpike Grade Curb Systems with Delineator and Base Options system be listed as a Proven Product under Alberta Transportation's Products List, Traffic Control Devices – Flexible Guide Post Traffic Delineators, Traffic Delineators – Proprietary based on the information provided.

## **TRIAL PROJECTS**

Anthony Henday NB @ eastbound off ramp Yellowhead Trail – Exit 25  
Intersection of Hwy 22 & 533, near Chain Lakes, west of Nanton  
Hwy 719:02, marking a severe scour on the edge of the road  
Dunvegan Hill

Rishi Adhikari

cc New Product Evaluation Group – Roger Skirrow