

## Construction Concrete Barrier Marker

### TYPE 1

#### Supplier

#### Brand

Astro Optics Corp.  
Schaumburg IL

JD Series

Vega Molded Products  
Gilberts IL

Flex Barrier Marker

JD Series

Standard 3" Delineator

### TYPE 2

#### Supplier

#### Brand

Artuk Inc.  
Elgin IL

FB-33 Series

FB-34 Series

Astro Optics Corp.  
Schaumburg IL

FB-33 Series

FB-34 Series

FT Series

Custom Products Corp.  
Jackson MS

Brite-Max Barrier Mount Delineators - Model BMJB

Highway Safety Specialists Fort Wayne  
IN -  
Fort Wayne IN

Concrete Barrier Reflector (#250-4)

Concrete Barrier Reflector (#260-2)

Easy View Marker (#EZ)

Irwin Hodson Company  
Portland OR

Barrier Traffic Reflector (BTR) 11"

Barrier Traffic Reflector (BTR) 5"

Pexco, LLC  
Tacoma WA

PCBM Series

## Construction Concrete Barrier Marker

### TYPE 2

#### Supplier

#### Brand

Three D Traffic Works Inc.  
Burbank CA

TD9300 Series

Trafco Industries Inc.  
Eagle Lake TX

TI-series

#### Method of Documentation of Acceptance:

By brand and source. Type 2 barrier marker must indicate QPL approved retroreflective sheeting source and brand.

#### Method of Approval:

#### PROCEDURE TO BE FOLLOWED IN ACQUIRING APPROVAL OF MATERIALS TO BE ADDED TO THE QUALIFIED PRODUCTS LIST:

- Barrier markers shall be of one of the following types:

Type 1 - A retroreflector having a minimum reflective area of 7 sq. in. (4515 mm<sup>2</sup>) and acrylic plastic prismatic elements. The reflector shall have a smooth, clear, and transparent face, and be permanently sealed against the intrusion of dust, water, or air.

Type 1 reflector's minimum reflectance requirements:

Observation angle	Entrance Angle	White cd/fc	Yellow cd/fc
0.1	0°	115	70
0.1	20°	45	25

Type 2 - A retroreflector having a minimum reflective area of 9 sq. in. (5805 mm<sup>2</sup>). The reflective surface shall be reflective sheeting conforming to ASTM D4956, Type VIII or IX, and shall be applied to a metal or a plastic mounting. The reflective sheeting shall be listed on the Department's Qualified Products List (QPL) 723 Reflective Sheeting.

- The manufacturer shall submit a sample and product information, including printed instructions for application.
- If the barrier markers meet the criteria, a letter and unsigned certification agreement will be sent to the manufacturer. The product will be placed on the QPL upon receipt of the signed certification agreement.
- Destination samples will be taken as deemed necessary by the Materials Engineer to assure compliance with specifications.
- Failure of the material in field applications is sufficient reason to reconsider acceptance of the material.

## **Construction Concrete Barrier Marker**

**Suspension of further use and/or removal from the QPL may occur if the Materials Engineer determines that the material is not in compliance with applicable specifications and requirements.**

**The manufacturer of privately labeled products must be disclosed.**

**No information contained in these lists is to be used for promotional purposes.**