

Construction Concrete Barrier Marker

TYPE 1

Supplier
Brand

Astro Optics Corp.
Schaumburg IL

JD Series

Vega Plastics LLC.
Hampshire 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

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TYPE 2

Supplier	Brand
Three D Traffic Works Inc. Burbank CA	<u>TD9300 Series</u>
Trafco Industries Inc. Eagle Lake TX	<u>TI-series</u>

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 sq. mm) 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 sq. mm). 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.

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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.