

719.01

ITEM 719 DELINEATOR MATERIALS

719.01 Rectangular Reflectors. Furnish rectangular reflectors that are a minimum size of 3 × 6 inches (75 × 150 mm) and that consist of reflective sheeting according to 730.192 or 730.193 adhered to a flexible post or an aluminum plate. Furnish white, yellow, or red reflectors as specified. Furnish aluminum plate for rectangular reflectors according to ASTM B 209 (B 209M), 6061-T6 with a minimum thickness of 0.060 inch (1.5 mm).

Furnish materials according to the City’s Qualified Products List (QPL).

719.03 Flexible Posts. Provide flexible posts conforming to ODOT Supplement 1020

Provide materials in accordance with the City’s QPL.

719.04 Barrier Reflectors. Provide concrete barrier, retaining wall and bridge parapet reflector body housings made of acrylic or polycarbonate plastic, or corrosion resistant metal. Provide a minimum reflective surface area of the reflector of 7 square inches (4400 mm²).

Provide white reflectors that reflect the following minimum candela of light at the indicated observation angles for each 1 foot-candle (10.76 lx) of incident light at the indicated entrance angles. Provide amber reflectors that reflect at least 60 percent of these values.

MINIMUM SPECIFIC INTENSITY, CD/10.76 LX

		Observation Angle (degrees)	
		0.2	2.0
Entrance angle (degrees)	-4	62	0.25
	15	52	0.18

The City will measure the entrance angle in the horizontal plane between the direction of incident light and normal to the face of the reflector. Measure the observation angle in the vertical plane between the observer’s line of sight and the direction of light incident to the reflector face.

Provide guardrail blackout reflectors with a minimum size of 4.5 x 10 x 0.125 inches (112.5 x 250 x 3.1 mm) and made of corrosion resistant metal with 1/4" (6 mm) predrilled mounting holes. Cover one or both sides with a minimum 4.5 x 5 inches (112.5 x 125 mm) of Type G, H or J reflective sheeting.

Provide materials in accordance with the City’s QPL.