

STIMSONITE MODEL 101

SPECIFICATION

SPECIFICATION FOR ABRASION RESISTANT, HIGH BRIGHTNESS PRISMATIC RETROREFLECTIVE PAVEMENT MARKER

SM101 – June 2006

GENERAL DESCRIPTION

The marker shall consist of an iron casting to which is attached a replaceable prismatic retroreflector for reflecting light from a single or opposite directions. Both ends of a bi-directional casting are shaped to deflect a snowplow blade. The bottom of the casting shall incorporate two parallel keels and an arcuately shaped web designed to fit into a grooved surface.

DETAILED SPECIFICATIONS

1. DESIGN AND FABRICATION

A. Dimensions and Construction Details

1) Casting

A. Dimensional Details

Overall dimensions shall be approximately 10.00 in. long by 5.50 in. wide and 1.92 in. high (25.4 cm x 13.97 cm x 4.88 cm). Installed height shall be approximately 0.41 in. (1.041 cm) above the road surface.

B. Material

Nodular iron, conforming to Specification ASTM-A536-84, Grade 80-55-06, hardened to 51-55 RC.

C. Surface

Surface of the keel and web shall be free of scale, dirt, rust, oil, grease or any other contaminant which may reduce its bond to the installation adhesive.

D. Weight

Approximately 5.5 lbs. (2.49 kg).

E. Identification

Casting shall be marked with manufacturer's name and model number of marker.

2) Reflector

Reflector shall consist of either Ennis Traffic Safety Solutions Stimsonite Division Model C40 or 944 lens. Please refer to specifications SMC40 or SM944 respectively for reflector specification.