GENERAL DESCRIPTION
This marker is designed for use on a bridge deck type roadway where a shallow installation depth is desired. 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 shallow 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 1.25 in. high (25.4 cm x 13.97 cm x 3.18 cm). Installed height shall be approximately 0.25 in. (0.635 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 4.5 lbs. (2.04 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.