

DURA-POST® HIGH PERFORMANCE FLEXIBLE DELINEATOR SURFACE MOUNT POST ASSEMBLY GENERAL PRODUCT SPECIFICATION

1.0 DESCRIPTION

The high-performance delineator system shall consist of a flexible, surface mounted delineator fabricated from one-hundred percent durable, non-discoloring polyurethane polymer to which reflective sheeting is applied, and a thermoplastic base which is secured to the pavement with epoxy adhesive, butyl pad adhesive or mechanical fasteners. The delineator shall be capable of self-righting after repeated vehicle impacts. The delineator shall insert and be secured into the plastic base with one horizontal high-strength aluminum locking pin. It is required that when the delineator is no longer serviceable, it can be removed and a new delineator can be manually inserted and locked into the existing base. The delineators are to be of a size and have a locking mechanism compatible with the bases in service. Delineators that are not compatible will be rejected for use.

2.0 GENERAL REQUIREMENTS

The one-piece delineator shall be tubular in shape and three inches [3"] in diameter with a uniform tapered wall of thickness of one-tenth of an inch [0.10"] at the top and two-tenths of an inch [0.20"] at the bottom. The lower portion of the delineator shall be a one-and-one-half inch [1-1/2"] high by two-and five-sixteenths inch [2-5/16"] diameter tenon which mates with a like-size receptacle in the thermoplastic base. The tenon shall have a horizontal through hole for which the base locking pin is to engage. A drain hole in the lower portion of the delineator prevents standing water inside the delineator. The total above ground height of the delineator shall be delivered as required up to thirty-six inches [36"]. The delineators shall be available in white, yellow and orange in color and resistant to ultraviolet and infrared radiation.

Reflective sheeting per Federal Highway Specification FP-96, Type III (minimum), Class 1 shall be applied to the uppermost portion of the delineator. The delineator shall be capable of providing 360 degree visibility by applying reflective sheeting completely around the delineator. The reflective sheeting shall be white (silver) or yellow (amber) in color and applied around the circumference as required.

The delineators shall be designed, manufactured and/or supplied by Trinity Highway of Dallas, TX, a Trinity Industries, LLC company. The delineators shall be branded as Dura-Post®.

3.0 PERFORMANCE REQUIREMENTS

A. VEHICLE IMPACT PERFORMANCE

Eight (8) delineators shall be impacted by a typical passenger sedan weighing approximately 3500 lbs. and having no unusual sharp hood ornament or other projections. Four (4) delineators shall be impacted by the vehicle bumper and four (4) delineators shall be run over by the vehicle wheels. The delineators shall be serviceable after 200 impacts with the vehicle traveling at 55 mph.