



## Flat Top Star Mount (FTSTR) Delineator Material Specifications

### 1) Design

The channelizer post shall consist of a 2.185" diameter plastic tube, that has the top 13" pinched flat to allow for a 3.25" width and accept 3" wide reflective tape. All channelizer posts shall be capable of sustaining a minimum of ten (10) bumper and direct wheel-over impacts at 55 MPH (94 km/h) without damage to the post or the reflective sheeting applied to the post when tested to NTPEP test protocols. All posts shall be easily replaceable. The post uses an internal hinge that is mounted to the lower 3" of the post to aid in rebound when impacted.

### 2) Anchor

Ground mount posts use a 2" twelve-gauge PSST anchor of 12 – 24" in length depending on the soil conditions of the installation. Length is an engineer decision that the P.E. shall provide guidance on.

### 3) Standard Colors

Channelizer posts and bases shall be constructed of UV-stabilized polymers and colors. The color shall be solid throughout and stabilized to resist UV degradation. Standard colors include white, yellow, and orange for the post body.

### 4) Locking Pins

The channelizer posts shall be secured to the anchor with a quick release pin to facilitate rapid replacement of the post without tools.

### 5) Reflective Sheeting

All posts shall have retro-reflective sheeting applied. Flat top posts will be supplied with a single 3"x12" piece of tape applied to the front of the post. The post can have a second piece of tape applied to the back side of the post as well.

### 6) Lengths

Channelizer posts shall be available in heights of 48 inches standard, as specified in the construction plans or procurement details.

### 7) Packaging

Channelizer posts and bases shall be packaged in boxes of 10 or 25 pieces.

### 8) Identification

All channelizer posts shall be clearly marked with the name of the manufacturer and the date produced.

9) NCHRP 350 / MASH Compliance

The channelizer posts shall be fully crash-tested by an A2LA-certified testing facility and meet requirements for **Category 1** devices as specified in **NCHRP Report # 350**. Test reports and self-certifications to these standards must be supplied by the manufacturer upon request.

The delineator posts shall be low-mass tubular markers with no attachments to the device, shall be fully crash-tested by an A2LA-certified testing facility and comply with the requirements of **MASH-16**. Test reports and self-certifications to these standards must be supplied by the manufacturer upon request.

10) Quality

The channelizer posts and bases shall be manufactured by an ISO 9001 certified firm in good standing; evidence of ISO compliance shall be presented as a precondition for acceptance for use.

11) Manufacturer

The device above is manufactured by Pexco LLC, Davidson Traffic Control Products, Asheboro, North Carolina, USA, phone (253) 284-8000, email [hwysales@pexco.com](mailto:hwysales@pexco.com).