

Product Evaluation

RE: Review of Safe-Hit Delineator Post

PRODUCT

The Safe-Post Delineator Post is manufactured by Trinity Highway Products located in Dallas, Texas and distributed by Roadside Supply located in Sherwood Park, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Safe-Hit Delineator Post rebounds from multiple impacts designed for construction zone, centerline medians and roadside hazard delineation marking. The Safe-Hit Delineator Post has been successfully and extensively crash tested by independent test facility, E-Tech Testing Services located in Rocklin, California. E-Tech's tests show that the device poses no risk to the impacting vehicle or occupants. Product Web site: <http://www.safehitlx.com/html/safehit/index.html>

DESCRIPTION

Safe-Hit Delineator Post is constructed of durable linear low density, co-extruded polyethylene with ultraviolet inhibitors. Reflective sheeting is applied to the post along with a thermoplastic base, the base is attached by pin-lock or twist-lock systems.

POTENTIAL USAGE

Safe-Hit Delineator Post is easy to install on asphalt and concrete surfaces. The bases are reusable when installed with butyl, epoxy is recommended for permanent applications. The twist-lock feature allows for quick replacement which reduces maintenance crew traffic exposure. This product is used throughout the United States including several cold weather states.

STANDARDS

Meets: International Surface Transportation Efficiency Act (ISTEA); U.S. Federal Highway Administration (FHWA) and National Cooperative Highway Research Program (NCHRP) guidelines and recommendations for Category 1 Traffic control device.

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has been using flexible guidepost traffic delineators.

APPLICABLE STANDARDS

The Alberta Transportation Specification for Flexible Guide Post Traffic delineators is as follows:
Standard Specification for Highway Construction 5.28 Supply Flexible Guide Post Traffic Delineators

RECOMMENDATIONS

Safe-Hit Delineator Post be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Guide Post Traffic Delineators – Traffic Delineators – Proprietary, based on the information provided.

Caveats:

- 1) Placement of Safe-Hit Delineator Post Using Lag Shield Anchors in Asphalt or Drop-In Anchors in Concrete is acceptable and is a preferred installation method.
- 2) Placement of Safe-Hit Delineator Post on Asphalt or Concrete with Butyl Pad or with Epoxy is not acceptable due to the lack of confidence in the long-term quality of the base/asphalt bond.
- 3) Sub-Surface Twist Lock Base is not acceptable. This involves coring a hole into the pavement and placing a base in the hole. It has a potential for damage to the pavement, both at installation and in long term.

TRIAL PROJECTS

NE Anthony Henday, Hwy 2 by Nampa (13518), Hwy 41:18 NBL at KM 56.913, Hwy 41 and 16 Interchange

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