

RE: Review of Rib-Bak U-Channel Sign Post System

PRODUCT

The Rib-Bak U-Channel Sign Post System is manufactured by Nucor Steel Marion Incorporated located in Marion, Ohio and distributed by Alberta Traffic Supply located in Edmonton, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

The Rib-Bak U-Channel Sign Post System is fabricated with new billet steel. Rib-Bak is the strongest U-channel post available, especially in the critical load bearing points. It has 25% more yield strength than competitive posts to withstand higher wind loads. Product Web site: <http://www.nucorhighway.com/signposts.html>

DESCRIPTION

The Rib-Bak U-Channel Sign Post System has a patented ribbed back design. Its contact points are flush surfaces, providing solid more permanent sign attachment. The Rib-Bak U-Channel Sign Post System are accepted by FHWA for small sign support applications and also meet or exceed the NCHRP 350 criteria for occupant impact velocity.

POTENTIAL USAGE

The Rib-Bak U-Channel Sign Post System installation typically takes just minutes with posts easily driven with conventional tools.

STANDARDS

NCHRP Report 350
FHWA approved, Test Level 3 & 4

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has used breakaway ground mounted posts. I-Beam and Breakaway Ground Mounted Bases Steel I-Beam Posts are included in the typical drawing for sign installation in the Department's Traffic Control Standards Manual (TEB 1.82 and TEB 1.83).

APPLICABLE STANDARDS

The Alberta Transportation Specification for Breakaway Steel Sign Posts is as follows:
Standard Specification for Highway Construction 5.18 Supply of Permanent Highway Signs, Posts and Bases and Specification 7.7, Permanent Highway Signing.

RECOMMENDATIONS

List product on the Alberta Transportation Products List under Potential Products, Signs and Support System: Supports, Breakaway Steel – Proprietary. Final acceptance as a Proven Product will be based on field performance.

TRIAL PROJECTS

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Richard Chow
Bill Kenny
Jim Gavin