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RESEARCH UPDATE

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FLEXI-GUIDE FLEXIBLE DELINEATORS Initial Report

HISTORY: Impact testing was conducted in the spring of 1990 on samples of FLEXI-GUIDE flexible delineator posts. The success of this testing led to the installation of 13 posts at the northbound off ramp of Exit 7 on I-89 in Berlin, Vermont. Installation went well. Thirteen posts were erected in an average time of 1 to 1-1/2 minutes per post. The total installation time was 55 minutes, the majority of which was spent removing the existing posts and delineators.

The posts weigh approximately 2-1/4 lbs. and come in a variety of colors including white, yellow, and forest brown. The posts installed in Berlin are white with reflective sheeting. The type of sheeting is unknown. The tested posts are 3-3/4" wide and are 62" in length. The posts also come in lengths of 66, 72, and 84 inches.

The Exit 7 posts were very discernible during inspections conducted in October 1990 and July 1991 under conditions of reduced visibility (2/10 of a mile due to rain and fog). The wider white posts are more visible than the standard metal posts. The units remain in place and appear to be in excellent condition.

COST: The list price of "FLEXI-GUIDE" units for a minimum order of 100 is \$10.80. This price does not include reflective sheeting which is an additional \$1.25 per unit. The manufacturer offers discounts from these prices based on volume.

CONCLUSIONS: The FLEXI-GUIDE highway delineator post performed well at a wide temperature range. They retain color and weather well, performing well as a delineator system. Flexible posts should reduce the need to replace units after impact. The FLEXI-GUIDE posts were placed on the list of approved products for Item 676.20 Delineator with Flexible Posts on July 16, 1991.

