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RESEARCH UPDATE

Update U97-10**INLAID THERMOPLASTIC PAVEMENT MARKINGS****REFERENCE:** WP 95-R-16, U95-6, U96-23**HISTORY:**

In July of 1995, the Vermont Agency of Transportation (VAOT), as part of the Montpelier NH 9530 project, placed inlaid hot applied thermoplastic markings at the VT 12 and US 2 intersection. The product was LDI SG70 modified hydrocarbon thermoplastic, and was applied by L&D Safety Marking Co.

These markings were to be compared with a control section of like markings applied at 3mm in the standard screed extrusion method. The initial construction observations and cost information were documented in U95-6.

OBSERVATIONS:

The project was inspected in August, 1997, after two winter maintenance seasons. 100% of the inlaid markings were found to be in excellent condition, fully intact, and showing little or no signs of wear. 45% of the control markings show moderate to severe wear.

FOLLOW-UP:

The inlaid markings will continue to be evaluated with emphasis on durability as compared to the performance of standard thermoplastic applications on other intersections within the Montpelier NH 9530 project.

At the intertersection of US 2 and VT 12 the stop bar is inlaid thermoplastic and the arrows are standard thermoplastic.

Photo August, 1997.

