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RESEARCH UPDATE

Update U96-9

HOT SPRAY THERMOPLASTIC MARKINGS

REFERENCE:

WP94-R-14, Update U95-13

HISTORY:

In June 1995 Cataphote ThermoQuik 701 was applied to the left edge line from MM 3.19 to 3.44 on VT 11 in Springfield. This installation was documented in Research Update U95-13.

MATERIAL:

ThermoQuik 701 is manufactured by Cataphote Inc. of Jackson, Mississippi. The material is solvent free, and quick drying, designed to be applied at 30 mils.

OBSERVATIONS:

The stripe was inspected on 23 Apr 96 and was found not to have performed well. Retroreflectivity results from 11 Oct 95 and 23 April 96 indicate that average retroreflectivity has dropped by 51% (from 270 to 132 mcdl). Some areas have failed to such a degree that retroreflectivity averages only 40 mcdl. Most of these areas are on the west end of the project.

FOLLOWUP:

It is expected that the material will not last another winter season. The stripe will be inspected before the end of the 1996 construction season.

