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**RESEARCH UPDATE**

Update U96-14

**PAVEPREP CRACK REDUCTION INTERLAYER**

REFERENCE:

WP 94-R-19, U94-11, U95-7

HISTORY:

During the construction season of 1994, PavePrep Crack Reduction Interlayer was applied on three separate projects. This material consists of a high density asphaltic membrane laminated between a nonwoven polyester geotextile and a woven polyester geotextile. The material is available in 102 foot roll lengths for widths of 12" and 20", as well as 48 foot roll lengths for 36" and 40" widths.

FIELD LOCATIONS:

The product was applied over a shoulder-to-shoulder transverse crack at the following four locations:

VT 100	Lowell	MM 3.26 and MM 6.13	June 1994
US 7	Highgate	MM 3.6	July 1994
US 5	Hartford	MM 3.13	October 1994

Initial crack widths were provided in report U95-7.

OBSERVATION:

Each of these sites was inspected during the spring and summer of 1996. Three small reflective cracks totaling ten feet developed at the test location at MM 3.26 in Lowell. Seven feet of cracking was present in the northbound lane with the remaining three feet in the southbound lane. The length of the original shoulder-to-shoulder crack at this location was 22 feet. Numerous other reflective cracks were present in the adjacent control section, with none being longer than 11 feet. No evidence of cracking was noticeable at MM 6.13 in Lowell or on the other projects.

FOLLOW-UP:

Performance monitoring will continue for the life of these projects, with an emphasis on reflective cracking identification.