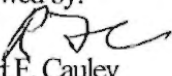


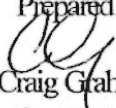
MATERIALS & RESEARCH DIVISION

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RESEARCH UPDATE

Update U95-7

PAVEPREP CRACK REDUCTION INTERLAYER

REFERENCE: WP 94-R-19, U94-11

HISTORY: During the construction season of 1994, PavePrep Crack Reduction Interlayer was applied on the three projects listed in the table below. 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, in the following locations:

PROJECT	ROUTE	SITE	WIDTH OF CRACK	DATE INSTALLED	DATE PAVED
Lowell/ Westfield	VT 100	3.26	1/2"	06/15/94	06/21/94
	VT 100	6.13	1/2"	06/15/94	06/21/94
Highgate	US 7	3.6	1 1/4"	07/15/94	07/18/94
	US 7	3.6*	1 1/4"	07/15/94	07/18/94
Hartford	US 5	3.13	3/4"	10/04/94	10/04/94

*Placed over a longitudinal crack at the center line

EVALUATION: Each of these sites was inspected during the summer 1995 construction season. All areas treated with PavePrep Interlayer remain free of cracking after one winter of exposure. A transverse shoulder to shoulder reflective crack did develop on the control crack location in Highgate. The control crack locations in Lowell and Hartford remain free of reflective cracking at this time.

FOLLOW-UP: Performance monitoring will continue for the life of these projects, with an emphasis on reflective cracking.