## MATERIALS & RESEARCH DIVISION

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## UPDATE RESEARCH

## "Scotchlane" Pavement Marking Material

References - Work Plans 78-R-29, 78-R-30, and 79-R-7, Reports P79-1, P80-2, and P80-1.

History - "Scotchlane", pavement marking film, was developed by 3M for use in areas exposed to low traffic volumes. The product was applied for evaluation as median or shoulder edge lines on the following three projects:

- 1. Sharon-Royalton I 89-1 (49) paving project. Placed in July of 1978. Follow-up observations were made in April of 1979 and March of 1982. As of March of 1982 there had been no complete loss of material. However, wearing of the material of up to 20% of the thickness was noted. The edge lines were repainted in the summer of 1982 due to the loss of delineation and reflectivity.
- 2. Colchester IR 89-3 (2) paving project. The product, applied in September of 1978, was used for shoulder and median edge lines. Follow-up observations were made in January and February of 1979 and May of 1980. As of May of 1980 there had been no loss of edge lines. There was noticeable loss of reflective grit although delineation was sharper than the control system. The median edge lines were repainted due to loss of delineation in September of 1986 and the breakdown edge lines are projected for repainting in 1987.
- 3. Weathersfield IR-F 91-1 (4) paving project. The product was installed in August of 1979 along 6.7 miles of median and breakdown edges. Field inspections were made in May of 1980 during which it was noted that along the median centerline there was some wrinkling and lifting of the film but none on the breakdown lane. inspections were made in 1982 and July of 1985 where it was noted that the edge lines were showing wear from snowplows and had separated over cracks in the pavement but were otherwise in good condition.

<u>Status</u> - The product which was being evaluated has been discontinued by the manufacturer. Two of the three applications have been repainted due to lack of delineation.

<u>Projection</u> - Further evaluation of "Scotchlane" is unwarranted since it is no longer available and the commitment of limited resources to the production of a final report is unjustified. The evaluation of Stamark pavement marking film applied under the same contracts will continue.