Report No.	Subject Area	Project No.	Report Date
ABTR/RD/TM/9804	H25	8640-9608	June 1998

Title	Type of Report
Use of Spray Patching to Minimize Reflective Cracking	Interim

Author(s)	No. of Pages
Ron Stoski, Maintenance and Materials	

Performing Organization Name and Address	Sponsoring Agency Name and Address
Technical Standards Branch Alberta Transportation and Utilities Twin Atria Building 4999 – 98 Avenue Edmonton, Alberta T6B 2X3	Alberta Transportation and Utilities Twin Atria Building 4999 – 98 Avenue Edmonton, Alberta T6B 2X3

Supplementary Notes

Abstract

Transverse and longitudinal cracking is a major problem on some highways. With time, aggregate loss is the area of transverse cracks creates dipping. Dipping causes a rough ride for the travelling public. Dipping also increases maintenance costs.

A fourteen-year-old asphalt concrete pavement (ACP) on Highway 2:54 was scheduled for an overlay in 1998. In 1996 this highway was selected as a test section for spray patching.

The reasons for spray patching were:
1. to protect the existing pavement by sealing wide transverse and longitudinal cracks and
2. to try to reduce the amount of reflective cracking which takes place after an overlay.

The interim findings show that, on Highway 2:54, spray patching failed the performance test.

Key Words	Distribution