

MONTANA DEPARTMENT OF TRANSPORTATION
RESEARCH PROGRAM
HELENA, MONTANA 59620-1001

Two Medicine Bridge - East

NH 1-3(34)210F[1814]

Annual Report

September, 1999

This Project involved the comparison of performance and cost effectiveness of two cold in-place recycled (CIPR) treatments of two different depths (60mm vs. 75mm). Each will receive a 60mm (0.20') grade D HMA overlay. This project is located on U.S. 2 (NINHS P-1) from milepost 210.9-218.8 in Glacier County.

The Research Management Unit (RMU) classified this project as formal through the year 2003. This was the first annual evaluation since construction.

Rutting and crack data for the **60mm CIPR** as follows; eastbound outer wheel path (OWP) rutting at 3.0mm with a standard deviation (STD) of 1.26. Eastbound inner wheel path (IWP) rutting at 2.6mm with a STD of 0.8. Westbound OWP rutting at 3.0mm with a STD of 1.26. IWP rutting was at 1.0mm with a STD of 0.63. Transverse cracking was averaged at 19.36 cracks per mile (CPM). At milepost 211 there was indicated longitudinal cracking (severe) which seems to be caused by snowplow damage on and near the shoulder.

Rutting and cracking for the **75mm CIPR** as follows; eastbound OWP rutting at 2.0mm with a STD of 1.29, IWP rutting at 1.17 with an STD of 0.9. Westbound OWP rutting at 2.17 with a STD of 1.34, IWP is rutting at 0.67 with a STD of 0.94. There were no transverse crackings to report at this evaluation.