

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

Two Medicine Bridge - East

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

Annual Report

July, 2000

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 US 2 (NINHS P-1) from milepost 210.9-218.8 in Glacier County.

The Research Program has classified this project as formal through the year 2003. This was the second annual evaluation since construction in June of 1998.

Averaged rutting and crack data for the **60mm CIPR** as follows; eastbound outer wheelpath (OWP) rutting at 4.4mm with a standard deviation (STD) of 1.2. Eastbound inner wheelpath (IWP) rutting at 3.2mm with a STD of 1.17. Westbound OWP rutting at 4.0mm with a STD of 0.89. IWP rutting was at 1.2mm with a STD of 0.4. Transverse cracking averaged at 31.9 cracks per mile (CPM).

Averaged rutting and cracking for the **75mm CIPR** as follows; eastbound OWP rutting at 2.33 mm with a STD of 0.94, IWP rutting at 2.17 with an STD of 1.21. Westbound OWP rutting at 3.5 with a STD of 0.96, IWP is rutting at 2.17 with a STD of 0.69. No transverse cracking to report at this evaluation.

Transverse cracking with the 60mm CIPR section of this project had a percent gain from the 1999 evaluation of 65%. The 75mm CIPR has not developed transverse cracking at the time of this report (based on averaging). Comparison of increase of rutting with both sections is considered at a minimum with the greatest increase of rut in wheelpath of 1.2mm.