EXPERIMENTAL PROJECT PROPOSAL
FOR THE EVALUATION OF CRACK-SEALING MILLED PAVEMENT IN THE EFFORT TO REDUCE TRANSVERSE CRACKING
(Work Plan)

Location: Dutton, Montana-Teton County
Interstate 15, milepost 312

Project Number: Dutton N & S IM 15-6(35)309

Type of Project: Crack-sealing of Milled AC Pavement

Principal Investigator: Craig Abernathy
Experimental Project Manager

Objective

To determine if crack sealing milled pavement prior to overlay will deter the migration of transverse cracking, or have an effect on pavement performance, when compared to an adjacent milled pavement that receives no crack sealing.

Experimental Design

Two 1000 ft. sections will be chosen in the northbound lanes at approximately milepost 312. One section will receive the crack seal procedure and the second section will receive no treatment. A 100 ft. transition zone will separate the two sections. A crack map of the milled sections will be completed to compare future cracking with the current.

<table>
<thead>
<tr>
<th>South Section</th>
<th>Transition</th>
<th>North Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>No seal</td>
<td></td>
<td>Sealed</td>
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Northbound I-15
Evaluation Procedures

Annual inspections will document and compare the progression of transverse cracking on both sections. Crack mapping will document rate of crack growth as well as digital image documentation.

Evaluation Schedule

Research staff will monitor performance for a period of five years annually, with every year after that reviewed informally, up to ten years (if applicable). This is in accordance with the Department’s “Experimental Project Procedures”. Delivery of annual reports are required as well as a final project report (responsibility of the Research Bureau).

2005: Construction Fall of 2005
2005-2010: Annual Evaluations Annual reports
2006: Final Evaluation Final Report