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DEMO STUDY 1-20-80-543

PLACEMENT AND EVALUATION OF A SEAL COAT USING
EMULSIFIED ASPHALT

FM 2157

Control 1990-1

Erath County

FINAL REPORT
"Report 543-5F"
September 1, 1983

POST CONSTRUCTION PERFORMANCE

A study was made on this project and the information gathered is as follows:

MAJOR DISTRESS

Again as in the proceeding reports, there were no major distress or failures found. There was a heavier truck traffic than indicated or anticipated at the onset of this study. This, we feel along with a higher than normal rainfall at certain times in the year, were factors in minor depression which developed in the west bound lane. These depressions have been corrected by placing premix overlay as a levelup.

Other distress problems encountered were bleeding and loss of aggregate. There has been no significant increase in either of these problems in the year following Interim Report No. 2. Although no new bleeding problems have developed there are a limited number of locations where the problem of flushing has become more evident. The bleeding problem is confined to very hot summer weather and is controlled by using a special grade type B aggregate applied at various times by the Maintenance Section. The location of most all bleeding problems could be predicted in that they coincide with previous premix overlays. A limited number of these locations did not have a bleeding problem but instead in most of these locations a loss of aggregate was observed. All other aggregate loss locations are confined to the area between the wheel paths and as stated earlier, does not appear to be increasing in any appreciable amount.

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At this time no other distress problems were observed.

OBJECTIVES

The Seal Coat has reached the objective of waterproofing of the paved surface. However, with the aggregate loss and bleeding and flushing problem, the objective of skid resistance would suffer.