

SECOND ANNUAL REPORT
FOR
EVALUATION OF EXPERIMENTAL
CONSTRUCTION PROJECT
ON
INTERSTATE HIGHWAY 40
CARSON COUNTY
TEXAS

CONTROL: 275-2-40

CONTROL: 275-3-33

FROM: 2 MI. EAST OF POTTER CO. LINE

TO: 1.6 MI. EAST OF CONWAY

PROJECT SUPERVISION

WILLIAM E. BRYAN, JR., RESIDENT ENGINEER

REPORT PREPARED BY

GERALD D. BRITTEN, ENGINEERING TECHNICIAN IV

DATES OF CONSTRUCTION

WORK BEGAN: SEPTEMBER 24, 1987

DATE ACCEPTED: SEPTEMBER 29, 1988

SECOND ANNUAL REPORT: APRIL 19, 1990

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OBJECTIVES

The objective is to evaluate the bond of a Hot Asphalt-Rubber underseal to a concrete pavement surface that has been cleaned and textured by milling.

Experimental Features:

This project is located on IH 40 12 miles east of Amarillo, in Carson County. The ADT is 9100 with 35% of the volume being trucks. For evaluation of the bond, the travel lanes of IH 40 were cleaned and textured by milling, except for a control section five hundred feet in length.

EVALUATION OF EXPERIMENTAL
CONSTRUCTION PROJECT
SECOND ANNUAL CONDITION SURVEY

Present Condition

There is no unusual cracking or roughness in the test section or in adjacent pavement around the test section or throughout the project limits. For additional control section data, the observation of two previous IH 40 projects were conducted. These projects extend 14 miles from the west end of this project to the Santa Fe Railroad in Amarillo. It was noted that some failures were occurring on these projects in the driving lane and at the edge of the outside lane. Some patch work was observed on both projects. Both projects have been in service for over five years and it is inconclusive as to whether these failures were caused by lack of bond of the underseal to the existing concrete. But where repairs have been made to the ACP overlay the underseal easily comes off the concrete pavement surface.

This inspection was conducted April 19, 1990. First Annual Report was May 15, 1989.

Summary

To date there has been no slipping or pushing of the mat. The bond has performed well to date. It has been 11 months since the First Annual Report..