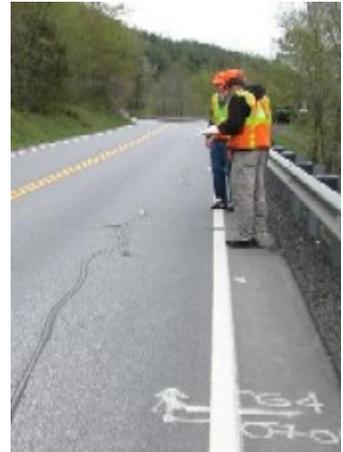


Title: Pavement Performance and Annualized Cost Study

SPR No: RSCH011-921

Project Description: The purpose of this research initiative is to examine the constructability and durability of various pavement treatments in terms of a comparative life cycle cost analysis. The evaluation is focused upon those projects which have rehabilitated existing pavements with reclaimed base stabilization, cold recycled bituminous concrete, and milling followed by various overlay(s) including Marshall and Superpave mixes. Projects have been selected from distinct microclimates representing the range of Vermont weather conditions. Cracking and rutting data have been collected on roughly 100 projects ranging in age from one to twelve years. Data is to be collected, reduced, analyzed, and evaluated for eventual inclusion in an interim report. Those projects which no longer contribute quality data will be removed from the data collection sites. Staff are performing a preliminary data quality review for ongoing analysis. Future goals are to finalize and distribute an interim



Pavement survey for crack and rut fill data -- Lowell, VT

report, with one of the deliverables being the identification of performance trends for each type of rehabilitation. A second objective for will be to recommend actions for further analysis or to conclude data collection under this activity.

Start date: 10/01/1992

End date: 09/30/2012

Status: Active Inactive Completed

Total Dollars: \$600,000

Index Terms: Administration Bridges Construction Environmental

Geotechnical Maintenance Materials Pavements Safety Traffic Transit

Sponsor Organization

Name: Vermont Agency of Transportation

Address: Materials & Research Section
1 National Life Drive
Montpelier, VT 05633-5001

Website:

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Performing Organization

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Subjects: Pavement, Durability, Life Cycle Cost, Reclaimed Base, Cold Mix, Overlay

Principal Investigator(s)

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