RESEARCH REPORT DOCUMENTATION PAGE

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Microsurfacing Performance Evaluation					. Project No.
			Work Plan		
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OTHER*	. –				
*see supplementary notes					
14. Supplementary Notes					
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15. Abstract					
Durmage and Need					
Purpose and Need					
Microsurfacing is a polymer modifie	ed cold mix paving system	that can remedy a broa	d range of pavement di	istresses.	. It can be used to repair; rutting
and shoving, improve surface fricti-	on, and restore the road p	ofile with minimal surfac	e preparation.		
<u>Objective</u>					
This study will evaluate the performance and cost effectiveness of microsurfacing as a method to fix rutting and depressed transverse cracks in a					
rural highway segment.					
Scana					
Scope Scope					
The physical characteristics the two sections will be compared to are; distresses, overall surface condition, performance, ride, and skid resistance.					
These physical characteristics will be evaluated by the pathways van annually. The evaluation period for this project will be 7-years or until failure.					
The project location is located on Highway 85 near Amidon.					
Construction					
The construction of this project had a problem with the paving of the second lift of the microsurfacing section. The paving operation could not get a					
uniform product from the paver. The cause of this problem was due to operator error. The problem was corrected and the rest of the microsurfacing for					
the project was continued as planned. The project was completed on time and has improved the pavement surface.					
Conclusion					
The microsurfacing section of this research project did not perform as expected. It may have failed because it appears the pavement is continuing to					
rut. This makes it difficult to make a valid decision on the effectiveness of the microsurfacing slurry product. The objective of this project was not met					
because the pavement was still rutting. Due to the pavement continuing to rut it is difficult to determine if the poor performance of the microsurfacing section was caused by the microsurfacing slurry of the rutting of the pavement.					
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