



IDENTIFICATION OF LABORATORY TECHNIQUES TO OPTIMIZE SUPERPAVE HMA SURFACE FRICTION CHARACTERISTICS

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By:

Rebecca S. McDaniel, Principal Investigator
North Central Superpave Center
Purdue University

Brian J. Coree, Principal Investigator
Center for Transportation Research and Education
Iowa State University

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Approved by: Robert J. Bernhard, Director
Vincent P. Drnevich, Co-Director
The Institute for Safe, Quiet and Durable Highways

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16. Abstract This report summarizes an investigation into various options for polishing, testing and analyzing pavement surface frictional properties in the laboratory. Devices were sought that could assess the effects of both microtexture and macrotexture of hot mix asphalt surfaces in the laboratory and the field. The investigation consisted of a detailed literature review and consultations with users of existing devices for polishing and testing pavement materials. The recommended devices include the Dynamic Friction Tester (DFT) and the Circular Texture Meter (CTM). This study is the first phase of a planned three-phase research program to examine the frictional characteristics of Superpave HMA mixtures. A plan for continuing with Phase II of the project, using the recommended devices and funded by the Indiana and Iowa Departments of Transportation, is also outlined.					
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