

# SUMMARY OF FINDINGS OF NCHRP PROJECT 1-12(3), PHASE 1

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## ABSTRACT

•A RESEARCH study (1) is under way to identify and to evaluate systems intended to serve as improved wear- and skid-resistant pavement surfaces. Phase 1 of this study has resulted in the preparation of an extensive annotated bibliography, the development of a method of classification, and the establishment of tentative performance criteria. From a list of all systems that have been used or proposed for use, 10 were selected as suitable for immediate implementation, and detailed recommendations were prepared for the construction of each of them. Thirty-two additional systems considered to be innovative were listed and described. An experimental program to evaluate selected systems is proposed for phase 2 of the study. The proposed program consists of exposing the systems to simulated traffic in a laboratory test track and analyzing the resulting changes in skid resistance, deteriorative wear, and changes in texture. Two sets of test conditions are proposed: one with studded tires, below freezing temperature, wet abrasive, and salt; and the other with unstudded tires, room temperature, wet abrasive, and no salt.

## REFERENCE

1. Wear-Resistant and Skid-Resistant Highway Pavement Surfaces. NCHRP Research Results Digest 61, May 1974.