



Guide for
**Pavement
Friction**





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Abstract

This report contains guidelines and recommendations for managing and designing for friction on highway pavements. The contents of this report will be of interest to highway materials, construction, pavement management, safety, design, and research engineers, as well as others concerned with the friction and related surface characteristics of highway pavements.

Information is presented that emphasizes the importance of providing adequate levels of friction for the safety of highway users. The factors that influence friction and the concepts of how friction is determined (based on measurements of surface micro-texture and macro-texture) are discussed. Methods for monitoring the friction of in-service pavements and determining appropriate actions in the case of friction deficiencies (friction management) are described. Also, aggregate tests and criteria that help attain adequate micro-texture are presented, followed by a discussion of how paving mixtures and surface texturing techniques can be selected so as to impart the macro-texture required to achieve the design friction level.