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Sommario/riassunto	The performance of concrete pavements can be adversely affected by the concrete's inability to resist the environment in which it is placed. This lack of durability can occur even when the structural design of the pavement is adequate. The distress that result from this lack of durability is refereed to herein as materials-related distress (MRD). This report documents the investigation of MRD in concrete pavements and the development of a set of systematic guidelines for the evaluation of MRD. The guidelines developed cover three major areas of MRD: Field distress survey, pavement sampling, and sample handling; laboratory testing, data analysis, an interpretation; and treatment, rehabilitation,

and prevention.
