

Long-Term Plan for Concrete Pavement Research and Technology

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ABSTRACT

A new generation of concrete pavements is coming of age, thanks in part to an innovative, long-term CPTP plan for research and technology. Envisioning what we want concrete pavements to look like in the next 20, 50, or 100 years and developing a long-term research plan to make the vision a reality will require the industry to examine itself closely—and perhaps even redefine itself.

These and other questions are guiding a national project to develop a far-reaching road map to tomorrow's concrete pavements. Under the Transportation Equity Act for the 21st Century, Congress authorized the Federal Highway Administration (FHWA) to undertake a significant research program to improve the performance of concrete pavements. The Innovative Pavement Research Foundation, an industry research consortium, and FHWA are sponsoring the development of a Long Term Plan for Concrete Pavement Research and Technology under the joint Concrete Pavement Technology Program (CPTP). The CPTP selected an Iowa State University-led team of program planners, university researchers, engineering consultants, and practitioners from industry and public agencies to create the plan.

Key words: long-term plan—performance—portland cement concrete pavement

Note: Preparation of this paper was still in progress at the time of publication; final results will be presented at the symposium.