

# Download Mechanistic Empirical Pavement Design Guide

Mechanistic Empirical Design Guide Implementation. FHWA considers implementation of mechanistic-empirical pavement design a critical element in improving the National Highway System. To help move the implementation forward, FHWA intends to provide significant support for these efforts. This document describes a pavement design methodology that is based on engineering mechanics and has been validated with extensive road test performance data. This methodology is termed mechanistic-empirical (M-E) pavement design, and it represents a major change from the pavement design methods in practice today. To improve the design and performance of roadway pavements, ARA, in collaboration with our industry and university teaming partners, developed the Mechanistic-Empirical Pavement Design Guide (MEPDG) methodology and software as part of National Cooperative Highway Research Program (NCHRP) Project 1-37A. SD2005-01: Mechanistic-Empirical Pavement Design Guide Implementation Plan Applied Pavement Technology, Inc. vii LIST OF FIGURES Figure 1-1. Example performance trend plot showing effect of AADTT on predicted JPCP