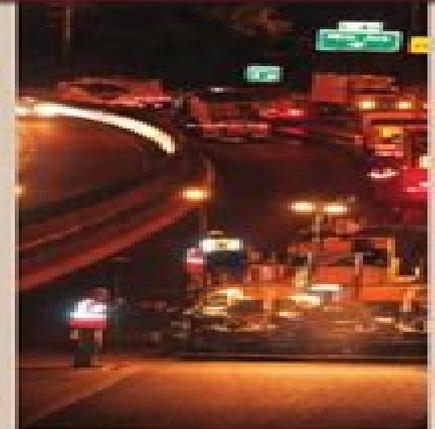
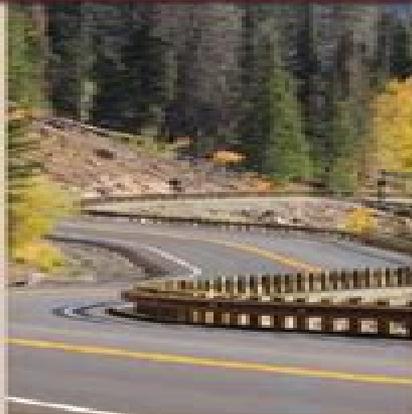
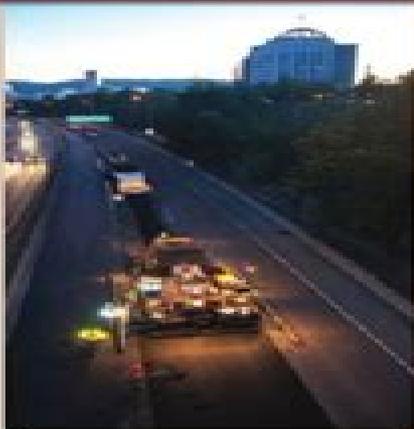




# Mechanistic-Empirical Pavement Design Guide

*~ A Manual of Practice ~*



2020 • Third Edition

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OF STATE HIGHWAY AND  
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# Guide For Mechanistic Empirical Design

**United States. Federal Highway  
Administration**



## **Guide For Mechanistic Empirical Design:**

**Mechanistic-empirical Pavement Design Guide**, 2015 **Mechanistic-empirical Pavement Design Guide** American Association of State Highway and Transportation Officials, 2008 **Mechanistic-empirical design guide** United States. Federal Highway Administration, 2004 *Implementing the Mechanistic-empirical Pavement Design Guide* Brian Coree, 2005 **Mechanistic-empirical Pavement Design Guide Implementation Plan** Todd E. Hoerner, 2007 As AASH is expected to eventually adopt the MEPDG at its primary pavement design method it is critical that the SDDOT become familiar with the MEPDG documentation and associated design software The research conducted under this project was a first step toward achieving this goal Mechanistic-empirical Pavement Design Guide, 2021 This addendum provides the additions and revisions to 3rd edition of the MEPDG including methods and inputs to the fracture based top down cracking model **Guide for Mechanistic-empirical Design of New and Rehabilitated Pavement Structures**, 1999 *Guide for Mechanistic-empirical Design* National Cooperative Highway Research Program, ARA, inc. ERES Division, 2004 **Guide for Mechanistic-empirical Design of New and Rehabilitated Pavement Structures** ERES Consultants, Inc, 2004 Local Calibration of Mechanistic Empirical Pavement Design Guide for North Eastern United States Shariq A. Momin, 2011 *Guide for the Local Calibration of the Mechanistic-empirical Pavement Design Guide*, 2010 This guide provides guidance to calibrate the Mechanistic Empirical Pavement Design Guide MEPDG software to local conditions policies and materials It provides the highway community with a state of the practice tool for the design of new and rehabilitated pavement structures based on mechanistic empirical M E principles The design procedure calculates pavement responses stresses strains and deflections and uses those responses to compute incremental damage over time The procedure empirically relates the cumulative damage to observed pavement distresses **Database Support and Modeling for the Mechanistic Empirical Pavement Design Guide (MEPDG)** Qiang Li, 2009 *Independent Review of the Mechanistic-empirical Pavement Design Guide and Software* Transportation Research Board. National Cooperative Highway Research Program, 2006 *The Handbook of Highway Engineering* T.F. Fwa, 2005-09-28 Modern highway engineering reflects an integrated view of a road system s entire lifecycle including any potential environmental impacts and seeks to develop a sustainable infrastructure through careful planning and active management This trend is not limited to developed nations but is recognized across the globe Edited by renowned authority *Mechanistic-Empirical Pavement Design Guide* Meng Chong Lee, 2004 *Evaluation of the Mechanistic Empirical Pavement Design Guide (NCHRP 1-37A)* Osman Ali, Institute for Research in Construction (Canada), National Research Council Canada, 2005 Characterization of Unbound Materials for Mechanistic-Empirical Pavement Design Guide (MEPDG) Jeyakaran Thavathurairaja, 2017 Mechanistic-empirical Pavement Design Guide Calibration for Pavement Rehabilitation R. Christopher Williams, 2013 *Recommended Mechanistic-empirical Pavement Design Guide and Software* National Cooperative Highway Research

Program,2004 This digest announces the availability of key products from NCHRP Project 1 37A Development of the 2002 guide for the design of new and rehabilitated pavement structures phase II for evaluation Page 1 excerpt **Implementing the Mechanistic-empirical Pavement Design Guide for Cost Savings in Indiana** Tommy E. Nantung,2010

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