





WCPA 2011 Annual Concrete Pavement Workshop  
Appleton, February 10, 2011



## The New Future of Pavement Design in Wisconsin

### Status of Implementation of MEPDG

Laura L Fenley, P.E.  
WisDOT Pavement Engineer



## History

- National
  - Began as an NCHRP (National Cooperative Highway Research Center) project in 1996
  - First version delivered in July 2004
    - MEPDG (Mechanistic-Empirical Pavement Design Guide)
  - Became an AASHTO product in 2007
    - interim (pavement design) guide
    - DARWin Task Force moved ahead with updates

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## History (cont.)

- WisDOT
  - WHRP (Wisconsin Highway Research Program) studies  
<http://www.whrp.org>
  - Other
    - Phase I Implementation project with ARA, Inc.
      - Considered only LTPP (Long Term Pavement Performance) sections
      - Completed in 2008
    - Phase II Implementation project with Marquette University
      - Considers many more pavement sections of varying ages and levels of distress

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## What's Ahead

- National
  - AASHTO expects to deliver DARWin M-E in March
- WisDOT
  - Marquette University's project due this year
    - Calibrate the equations in the software
  - Evaluate DARWin M-E version of software
  - Purchase software
    - Determine number of licenses needed
    - Tiered fee structure
  - Training
  - Chapter 14 of FDM (Facilities Development Manual)
  - Apply to U.S. and state highway designs starting in 2011

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## WisPave

- Currently being updated
- Should still be available for some time to come
- No sunset date has been discussed, nor have future updates

*Laura L Fenley, P.E.*

Pavement Engineer  
Wisconsin Department of Transportation  
Bureau of Technical Services  
3502 Kinsman Blvd  
Madison WI 53704

(608) 246-5455  
[laura.fenley@dot.wi.gov](mailto:laura.fenley@dot.wi.gov)

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