

## State DOT: Illinois (Prepared by Doug Dirks)

### State Report Questions on MEPDG Implementation

1. Summarize your state's status as far as MEPDG Implementation.

Illinois Department of Transportation (IDOT) developed a mechanistic design process in the late 1980s. Since its development, IDOT has made modifications based upon pavement performance. During the past several years, IDOT worked with the University of Illinois Urbana-Champaign (UIUC) to make revisions to the procedure based upon laboratory test results and pavement performance data. Revisions proposed by UIUC were then vetted through industry and an independent review. This latest update was issued on April 15, 2011 and is located in Chapter 54 of the IDOT Bureau of Design & Environment Manual at the following link:

<http://www.dot.il.gov/desenv/BDE%20Manual/BDE/pdf/Chapter%2054%20Pavement%20Design.pdf> .

IDOT believes that our mechanistic design procedure, specific to Illinois materials, climate, and traffic, provides reasonable pavement design thicknesses which have been validated by performance data. We thus have no plan to implement the MEPDG. IDOT is committed to monitoring pavement performance and making any necessary adjustments to the design procedure when they are warranted.

2. What efforts have been made toward local calibration?

Because IDOT's design procedure is based upon actual performance data, the procedure does not require additional calibration.

3. What additional information/support would assist your state with implementation?

Because IDOT is not implementing the MEPDG, no additional assistance will be needed at this time.

*Additional Questions Contact LaDonna R. Rowden. P.E.*

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