

## State DOT: Iowa

### State Report Questions on MEPDG Implementation

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

An Implementation project with ISU was performed evaluate the needed data/information in 8 areas. It also included Iowa material property testing: The goal of this project was to obtain necessary input data for implementation of the MEPDG, and also to determine if additional data or larger databases of material properties were necessary.

- a. Traffic inputs
- b. Climate models and inputs
- c. HMA materials
- d. PCC materials
- e. Unbound Materials (Soil/Aggregates)
- f. Material Thermal properties
- g. Existing Pavement Input Information
- h. Validation

The validation phase of the Implementation project determined that we would need to perform local calibration (as suspected). The Local Calibration project began in May 2011.

2. What efforts have been made toward local calibration?

Project began in May 2011 with ISU. Implementation of MEPDG to occur at the end of 2012.

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

Reducing changes requiring new versions of the software. Calibration on one version will need to be re-evaluated with each new version.