

State DOT: Colorado

State Report Questions on MEPDG Implementation

1. Summarize your state's status as far as MEPDG Implementation.
Currently, CDOT is in the process of validating the MEPDG in Colorado and calibrating it to Colorado performance data.

2. What efforts have been made toward local calibration?

CDOT has reviewed all the Long Term Pavement Performance (LTPP) sites in Colorado and has supplemented the performance data with an additional 40 HMA sites and 14 PCCP sites. We have purchased an Asphalt Mix Performance Tester (AMPT) for HMA. From CDOT's participation in the pooled fund study, our second AMPT device will be delivered in the near future. CDOT has purchased a resilient modulus device for soils. CDOT will be purchasing a Coefficient of Thermal Expansion (CTE) device in the near future. We are investigating the possibility of purchasing an indirect tension device for HMA.

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

Assistance with developing site specific traffic data would be appreciated. We have added a number of climate stations to our database. However, we could add more stations if we did not need cloud cover or if there was a way to estimate cloud cover from a different set of data.