

State DOT: Indiana

State Report Questions on NDT Testing

1. What NDT testing methods for concrete materials, concrete pavements, and overlays are you trying?

Surface Resistivity per AASHTO TP 95 for concrete quality (i.e low permeability). In addition INDOT is looking at direct resistivity measurements.

MIT scan (magnetic tomography) for measuring pavement thickness

Falling Weight Deflectometer can be used to measure bond of PCC overlay

Concrete Maturity to measure opening to traffic strengths

2. In your experience, how does the reliability of NDT testing methods compare to traditional testing methods?

NDT is typically recognized as a good means for controlling construction processes; however, establishing NDT as a method for an agency to accept PCCP is more problematic . NDT can provide information for evaluating concrete quality in failed material investigations