

## TECHNOLOGY DEPLOYED IN MATC

# PULSE INDUCTION TECHNOLOGY

Measure pavement thickness quickly without taking cores

### HOW IT WORKS

Assess asphalt or concrete pavement thickness during the construction process with this non-destructive device. Pulse Induction Technology involves placing a thin metal plate on the base layer before paving. This plate then serves as a target that is detected after paving and once the pavement can be walked upon. Following detection, the vertical distance between the plate and the pavement surface is measured to accurately determine pavement thickness in real time. Pulse Induction Technology is highly versatile and works on all types of pavements ranging in thickness from 1 to 15 inches. This tool can be used by agencies and contractors alike for monitoring the final pavement layer thickness. The device is easy to train on and to use.

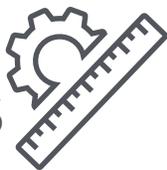


Image Source: FHWA  
Pulse Induction  
Technology Device

Unlike cutting cores, Pulse Induction Technology leaves the pavement intact – providing opportunities to save time, effort, and money.

### PULSE INDUCTION TECHNOLOGY FEATURES

Measures thickness in  
**<3 MINUTES**



Efficient  
**QUALITY  
CONTROL**



Meets  
**ASTM E3209-19**  
standards and specifications\*



Simple to  
**OPERATE**



No need to take  
**CORES**



Meets  
**AASHTO T359-18**  
standards and specifications\*



Current practice of Pulse Induction Technology in: Iowa, Minnesota, Pennsylvania, Washington, Wisconsin

Learn more at <https://www.fhwa.dot.gov/MATC>

FHWA-HIF-21-037

\* These standards and specifications are not FHWA requirements.