

TECHNOLOGY DEPLOYED IN MATC

CIRCULAR TRACK METER (CTM)

Non-destructively measure your pavement's surface macrotexture

HOW IT WORKS

The CTM uses a laser displacement sensor to provide results that can be used to calculate your pavement surface's mean profile depth. Mean profile depth is a value that helps assess the macrotexture of a pavement. These calculations can help you identify pavement segregation and determine skid-prone locations, resulting in a macrotexture assessment that is much less subjective than the sand patch test. The sensor is mounted on an arm that rotates clockwise at a fixed elevation (3.15 inches) from the surface of your pavement to provide data for a circle of 35 inches in circumference. The test is quick and easy, can be used on any dry and clean area of pavement, and does not involve extensive preparation.



Image Source: FHWA
Circular Track Meter Device

Testing with CTM can help your agency take action to ensure sufficient skid resistance on asphalt pavements.

CTM FEATURES

More accurate,
DATA-DRIVEN
assessments



Get trained to operate in
JUST 20 MINS



Generates data in
<1 MINUTE



Testing time is
<1 MINUTE



Identifies
SKID-PRONE
Locations



Meets
**ASTM E2157-15
& E1845-15**
standards and specifications*



Current performance testing program evaluations of CTM in: Connecticut, Florida, Illinois, Virginia

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

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* These standards and specifications are not FHWA requirements.