



FHWA - IMPROVING CONCRETE DURABILITY AND PERFORMANCE WITH INNOVATIONS IN CONCRETE TESTING TECHNOLOGY

The Federal Highway Administration's Mobile Concrete Technology Center provides education and training to local transportation personnel on state-of-the-art concrete technology in materials selection, mixture design, field and laboratory testing, and pavement evaluation.

Please consider joining us as we bring new performance-based testing and QA procedures reflecting the industry's commitment to providing durable, resilient, sustainable and long-life pavements.

This 1 hour seminar includes classroom training and hands-on participation on the various advanced testing procedures and protocol. These tests are not ODOT approved, but are currently under evaluation.

THURSDAY, MARCH 9, 2023

3:00 pm - 4:00 pm

**Case Western Reserve University Concrete Lab
Cleveland ASCE Presentation**

EQUIPMENT DEMONSTRATIONS:

- **Super Air Meter (SAM)** – Technology to measure air void characteristics
- **Surface Resistivity** – Rapid measurement to indicate permeability
- **Box Test** – Measurement of workability for paving
- **Float Test** – Measurement of workability for non-paving
- **Phoenix** – Simplified water cementitious ratio determination in the field
- **MIRA** – Identifies construction related abnormalities and steel location
- **MIT Scan T3** – Nondestructive device for measuring pavement thickness
- **Calorimeter** – Determines consistency of cementitious materials during production

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