

New Technology, Performance Measures Lead to Longer-Lasting Pavements



The Challenge

Ensuring top quality asphalt pavement by applying new technologies, testing, and performance specifications

The SHRP2 Solution



How can Performance Specifications help?

Using performance-based specifications will motivate contractors to devise better ways to deliver products. By focusing on the outcomes instead of the methods employed, the specifications promote faster construction and improved quality in a wide array of project delivery methods.

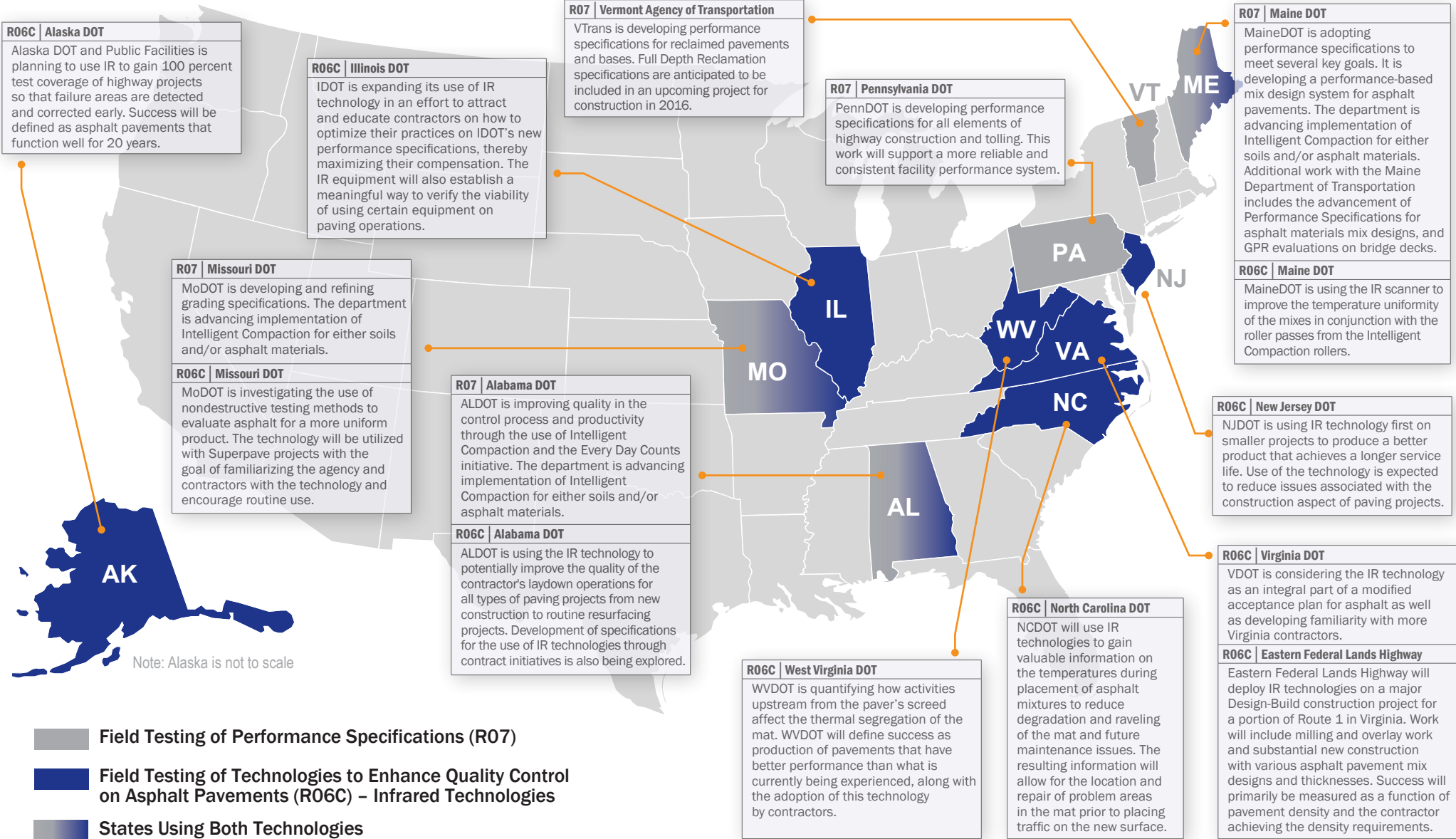
How does Intelligent Compaction fit into the picture?

Intelligent Compaction is a series of processes and technologies to enhance asphalt quality. It uses special rollers, an integrated measurement system, onboard computers, Global Positioning System (GPS)-based mapping, and a feedback loop that allows for real-time compaction of pavements and adjustments to ensure high quality and uniform pavement materials.

How does Infrared (IR) work to enhance this process?

Using the Infrared (IR) technology developed through *Technologies to Enhance Quality Control on Asphalt Pavements* (R06C) that focuses on thermal uniformity, inspectors and paving crews can measure real-time mat temperature and make adjustments to the production-construction process as the paver is laying down the asphalt.

Who's Using These Technologies?



Why Not You?

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More information available at: www.fhwa.dot.gov/GoSHRP2 and <http://SHRP2.transportation.org>