TRB TRANSPORTATION RESEARCH BOARD

New Non-Destructive Testing Technologies for HMA Quality Assurance

August 5, 2010

Session Duration: 95 minutes

Non-destructive testing (NDT) methods have shown potential for use in the quality control and acceptance of flexible pavement construction. This webinar will explore the application of nondestructive testing (NDT) technologies in the quality assurance of hot-mix asphalt (HMA) pavement construction, as published in the National Cooperative Highway Research Program's (NCHRP) Report 626: NDT Technology for Quality Assurance of HMA Pavement Construction. Presenters will highlight several NDT technologies with the potential for immediate implementation in a quality assurance program of HMA pavement construction, including that of individual HMA, base, and subgrade layers. Specifically, presenters will discuss using the GeoGauge for estimating the modulus of unbound layers, the portable seismic pavement analyzer for estimating the modulus of HMA layers, and the PaveTracker for establishing and confirming rolling patterns for HMA layers. Participants will learn about the ability of these technologies to accurately identify construction anomalies and predict material properties indicative of pavement performance.

Download a copy of the report: http://www.trb.org/Main/Public/Blurbs/162130.aspx

Session Presenter: Harold Von Quintus, Applied Research Associates, Inc.

Moderated by: Ed Harrigan, Transportation Research Board