

# Quality-Related Specification Software (QRSS): A Performance-Based Specification for Hot-Mix Asphalt Pavement Construction

December 15, 2010



Session Duration: 90 Minutes

This webinar will explore the use of Quality-Related Specification Software (QRSS), a performance-related specification for hot-mix asphalt (HMA) pavement construction. Panelists will demonstrate the software, which is based on pre-solved solutions of the Mechanistic-Empirical Pavement Design Guide for permanent deformation, fatigue cracking, and thermal cracking. The QRSS is stand-alone software for the Microsoft Windows operating system. Panelists will demonstrate how the QRSS software integrates prediction of distress and the International Roughness Index with necessary data input and output capabilities used to compare the performance and service life of as-designed and as-built HMA pavements. Additionally, the software calculates pay factors from those service life differences. A complete version of the QRSS will be available prior to the webinar, and will be posted when it is available.

Presenters for this session include:

Matthew Witczak, Arizona State University

James Moulthrop, Fugro Consultants, Inc.

Myung Jeong, AMEC Earth & Environmental, Inc.