



with Equipment Showcase

## National Workshop on Highway Asset Management & Data Collection

An efficient and accurate inventory of an agency's assets, along with the means to assess their condition and model their performance, is critical to enabling an agency to make informed investment decisions in a Transportation Asset Management (TAM) environment. Today, new technologies provide fast and improved ways to gather, process, and analyze data. The key is to identify the important information elements and assess how much of it is needed to make informed decisions.

The workshop and equipment showcase is the forum to find the latest in technology for managing highway assets. Four focus areas (Pavements, Bridges, Roadside Appurtenances, and Geotechnical and Drainage) have been identified as the leading areas for inventory and analysis. Below is a description of each area for the workshop:

**Save the Date!**

### Pavements

The Pavements group will focus on surface distresses, roughness, rutting, and texture or friction. A 130-mile test course located near Raleigh, NC provides a location with varied roadway classifications, road geometry, pavement and shoulder type, conditions, and types of data elements, terrain, and vegetation. Both urban and rural roadways are included in this test course.

### Geotechnical and Drainage

The Geotechnical group will showcase and evaluate technologies available for assessment of existing Infrastructure components. On a network level, the area of interest includes slope stability through remote sensing technologies. On a project level, areas of interest include smart foundation and health monitoring, settlement of bridge approach slabs, unknown foundation evaluation, buried metals, MSE walls deformation monitoring, and drainage issues.

### Bridges

The Bridges group will focus on devices for field data collection and entry, and assessment technologies for deck, superstructure, and substructure including underwater inspection. These technologies may be used for assessing maintenance needs, probable bridge component life fracture critical bridge details, component strength, material characteristics and

deterioration, remote sensing, and health monitoring. Varied conventional and innovative technologies will be showcased, demonstrated and evaluated at this workshop.

### Roadside Appurtenances

Gathering inventory and condition data on a network basis for multiple roadside assets can be extremely time consuming. The Roadside Appurtenances group will highlight vendor technologies that collect roadway data such as pavement markings, signs, guardrail and shoulder conditions. Vendors will be invited to inventory and assess the condition of targeted sections of a test track, and then showcase their results as compared to actual ground conditions.

**Dates:**  
September 24-26, 2008

**Location:**  
Sheraton Imperial  
Hotel & Convention Center  
Durham, NC  
[www.sheratonrtp.com](http://www.sheratonrtp.com)

**Co-Sponsored By:**

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