

### 5.4.3

#### **The 2011 AASHTO Asset Management Guide to Implementation; moving theory into practice via web and geospatial technologies, systems integration and advanced analysis**

##### **Presenter**

**Jonathan Pollack**

Senior Vice President

GeoDecisions

jpollack@geodecisions.com

##### **Co-Presenter**

In January of 2011, AASHTO released Volume 2 of the Transportation Asset Management Guide: a Focus on Implementation. This document, which was a supplement to AASHTO's initial Volume (1) Transportation Asset Management Guide released in 2002, contains a wealth of best practices and other important information that Transportation agencies can use to help guide their organizations towards the development of a sustainable and scalable asset management program. One of the key challenges for DOT staff will be in how they acquire the necessary information from the document and apply the elements that are most beneficial. Our goal is to assist DOT staff members in understanding the key elements of the 2011 Guide and distilling the components that are most applicable to their current level of asset management program maturity. In addition we will review and discuss the potential implications of the new MAP-21 rulemaking process regarding the development and evolution of Transportation Asset Management Programs. We will highlight some of the key elements of the Guide and perform a software presentation on a custom, web-based, geospatially enabled software application that was developed for one of our clients, which reflects many of the core elements of the AASHTO Guides. The application integrates GIS, CMMS, field data collection, real-time data feeds, and probability/consequence of failure analyses using a Services Oriented Architecture approach. A live demo and lessons learned during the development of the system will be presented.

##### **Bio(s):**

Mr. Pollack is a Senior VP of GeoDecisions, a Division of Gannett Fleming. He has more than 20 years' experience in developing and directing geospatial applications for various civilian, commercial, and military transportation clients.