Asphalt Institute Webinar

Title: Pavement Management Systems
Duration: 90 minutes
Cost: $25
Instructor: Dave Johnson, P.E.  Asphalt Institute Regional Engineer

Overview: Rising materials costs have the managers of our infrastructure seeking better, more cost-effective ways of managing assets for which they are responsible. With these increasing costs, the value of our in-place materials rises, and they become more expensive to maintain at an acceptable level of service. Managers of these assets are seeing greater and greater value in using a pavement management system (PMS) to better maintain their system and do it in a more cost-effective manner. This Asphalt Institute webinar will provide the attendee with the principles of a PMS, the benefits that can be realized with its use, and limitations that need to be considered.

Intended Audience: This webinar is designed for road managers/agency personnel, highway engineers, pavement decision makers.

Outline:
1. Pavement Management Concepts
2. Pavement Management Components
3. Pavement Management Analysis Levels
   a. Project-level
   b. Network-level
   c. Strategic-level
4. Pavement Management in Pavement Preservation
5. Selecting the Appropriate Treatment
   a. Determining the appropriate level of repair
   b. Selection treatments
      i. Decision trees
      ii. Decisions matrices
      iii. Other tools
      iv. Benefits and limitations of tools
   c. Determining treatment effectiveness and timing
   d. Developing guidelines for treatment selection
6. Types of Maintenance and Rehabilitation Treatments
   a. Preventative maintenance
   b. Rehabilitation
   c. Reconstruction
7. Prioritizing Project Needs
   a. Ranking
   b. Benefit/Cost Analysis
   c. Optimization