



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