



## COURSE NUMBER

FHWA-NHI-131116A

## COURSE TITLE

### Pavement Management Systems: Characteristics of an Effective Program

Transportation agencies have made large investments in their pavement infrastructure, which makes effective pavement management an important component of an agency's transportation asset management program. However, pavement management concepts are not always taught in the traditional civil engineering curriculum and there is little training available on this important concept. In fact, in a 2006 survey of the Federal Highway Administration (FHWA) division offices, most offices indicated a need for training in this area. The need was further emphasized by participants at the 2007 National Pavement Management Conference.

This 1.5-day course was designed to help improve the effectiveness of an existing pavement management program. In addition to introducing the basic components of an effective pavement management program, the course materials illustrate the effective use of pavement management information and provide opportunities for participants to identify strategies that will help enhance their existing capabilities. The focus of the class is broad enough to include data collection activities, condition assessment, program development, investment analysis, and other uses of pavement management information to support an agency's decision processes to improve pavement performance. The role of pavement management in supporting an agency's transportation asset management program at the strategic, network, and project levels is also introduced.

This 1.5-day version of the course allows for a state to receive all of the lessons in Module 4: Lesson 4-1 (strategies to improve the effectiveness of the agency's pavement management program), Lesson 4-2 (pavement condition assessment and performance modeling), and Lesson 4-3 (using pavement management to support a pavement preservation program). Since it is offered at no charge, availability of instructors may be limited.

## OUTCOMES

Upon completion of the course, participants will be able to:

- Identify the components of an effective Pavement Management Program and describe the contribution of each to the Program's success
- Explain the role of pavement management in supporting an agency's Transportation Asset Management (TAM) Program
- Describe effective uses of pavement management information
- Describe several strategies for improving the effectiveness of a Pavement Management Program

## TARGET AUDIENCE

The target audience for this course includes transportation professionals from state and local agencies responsible for managing and maintaining pavements and/or prioritizing pavement projects for programming purposes. Course participants should be directly involved with providing data to support pavement management activities, selecting pavement projects, developing candidate project recommendations, or determining funding allocations for pavement-related activities. The primary audience will be practitioners from state highway agencies, but the course is also appropriate for individuals from local agencies.

## TRAINING LEVEL: Basic

**FEE:** 2013: \$0 Per Person; 2014: N/A

**LENGTH:** 1.5 DAYS (CEU: 0 UNITS)

**CLASS SIZE:** MINIMUM: 20; MAXIMUM: 30

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