

**COURSE NUMBER**

FHWA-NHI-134112

**COURSE TITLE****Principles and Practices for Enhanced Maintenance Management Systems**

Is your agency in the process of enhancing its maintenance management capabilities?

Are you interested in learning more about developing effective performance measures for maintenance activities?

If so, join us for a blended training course that features both independent study material and facilitated Web-conferences. You will be introduced to the methods and practices used in an enhanced maintenance management system (MMS) to effectively maintain and operate a highway network. You will explore the principles and practices of using MMS to effectively examine efficient maintenance and operation of a highway network. Throughout the course, you will learn by participating in activities and assignments specific to using MMS.

The course materials rely heavily on the AASHTO Guidelines for Maintenance Management Systems, Transportation Asset Management Guide, and several other recent publications on the topic. To illustrate the application of the principles, the course materials are supplemented with examples from State and local highway agencies.

Participant Responsibilities:

- 7 Web-based lessons (Duration: 1- 1.5 hrs each)

- 3 Web-conferences (Duration: 2 hours each)

To obtain your certificate, you must complete all Web-based lessons and Web-conferences. To receive Continuing Education Units (CEUs), you must also pass the online test at the end of the course. You will need your own computer with an Internet connection as well as a telephone line in order to participate.

OUTCOMES

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

- Compare and contrast a first generation MMS with an enhanced MMS
- Describe the terms “outcome-based” and “performance-based” and how they pertain to an enhanced MMS
- Describe the use of service levels to support the programming and budgeting activities incorporated into an MMS
- Identify the types of systems that should be integrated with an MMS and provide several examples of the types of data that should interface between each system
- List the potential benefits to be realized by fully integrating an enhanced MMS
- Identify several steps that will advance an agency’s current maintenance management practices now and in the future

TARGET AUDIENCE

The target audience for this course includes State and local maintenance engineers, maintenance supervisors, asset managers, and their industry counterparts. The course is specifically for individuals who are responsible for directing and managing maintenance operations and budgets, maintenance project and treatment selection, and/or the monitoring of system conditions.

TRAINING LEVEL: Basic

FEE: 2021: \$225 Per Person; 2022: N/A

LENGTH: 15 HOURS (CEU: 1.5 UNITS)

CLASS SIZE: MINIMUM: 10; MAXIMUM: 30

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