

**COURSE NUMBER**

FHWA-NHI-136106A

COURSE TITLE**Introduction to Transportation Asset Management with Workshop**

Asset management principles are becoming increasingly important to help agencies manage their assets as they face fewer available resources, higher expectations for customer service, and increased demand for more transparency in the decision process. In an asset management environment, investment decisions are linked to targeted performance levels that have been established based on current and expected asset conditions. Trade-offs between investments in different types of assets and different investment priorities can be assessed because of the availability of reliable data and a clear set of performance metrics that the agency hopes to achieve. As a result, agencies are better able to use their funding effectively and to defend their need for additional resources.

The Transportation Asset Management course introduces a strategic approach to managing physical transportation infrastructure. This 1.5-day course covers the principles of asset management and introduces the five core questions every agency should be able to answer about its assets. The course contains modules on the following topics: asset management principles, performance measures, long-term financial planning, risk assessment, and implementation. Through a series of workshops, the course material introduces the participants to the application of asset management principles in real life situations. It also provides a review of a self-assessment that can be used to identify agency gaps between the desired and actual use of these principles. The course concludes with recommendations for advancing the implementation of asset management practices within the agency.

This course can be delivered without the half-day workshop with the approval of the FHWA Technical Lead. See 136106 “Introduction to Transportation Asset Management” on the NHI Web site for further information.

This course is the first in a series and previously cataloged under 131106A. It serves as a prerequisite for 136106B “Development of a Transportation Asset Management Plan.” The other course in the series is 136106C “Introduction to Transportation Asset Management Plans,” which is Web-based. See the NHI Web site for additional information on each of these courses.

OUTCOMES

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

- Champion the use of asset management principles and concepts within the organization.
- Define their role in supporting the agency’s asset management efforts.
- Describe the maturity of the agency’s asset management program.
- Draft a plan for using existing resources to advance the agency’s use of asset management principles.

TARGET AUDIENCE

This training is designed for senior-level and mid-level managers from State departments of transportation and other transportation agencies, who typically have the responsibility for decision-making in one or more areas addressed by transportation asset management. Participants should represent a number of organizational units, including (but not limited to) planning, engineering (e.g., facility management, design, construction), capital programming, maintenance and operations, financial management, traffic and safety engineering, system operation and management, and information technology. The course is also intended for individuals who manage or provide critical information to senior managers, or who have direct responsibility for meeting specific transportation system performance or program delivery targets.

TRAINING LEVEL: Basic**FEE:** 2017: \$575 Per Person; 2018: N/A**LENGTH:** 1.5 DAYS (CEU: 0 UNITS)**CLASS SIZE:** MINIMUM: 20; MAXIMUM: 30**NHI Customer Service:** (877) 558-6873 • nhicustomerservice@dot.gov