



COURSE NUMBER

FHWA-NHI-138009

COURSE TITLE

Transportation Performance Management for Pavements

This course will be delivered for free to Metropolitan Planning Organizations and State DOTs. The reduced price is being provided by the FHWA Office of Infrastructure. YOU CAN PREVIEW A SUMMARY OF THIS COURSE BY COPYING AND PASTING THE FOLLOWING URL: <https://connectdot.connectsolutions.com/nhi138009executivesummary/>

'Transportation Performance Management for Pavements' is a one-day Instructor-led Training course offered by NHI, the authoritative source in transportation training.

Recent legislation has resulted in new requirements for national performance measures and targets in several measure areas, including pavement conditions. Moving Ahead for Progress in the 21st Century Act (MAP-21) established the requirements, and Fixing America's Surface Transportation (FAST) continued them. Most States and other transportation agencies have established their own measures for pavement conditions; however, few transportation officials have experience in managing a performance-based program with specific outcome-oriented pavement targets.

This course is intended to review concepts in Transportation Performance Management (TPM), identify specific measures used for characterizing pavement conditions, and provide methods for analyzing and recommending pavement condition targets and approaches for monitoring pavement networks. One important aspect of TPM is monitoring performance once targets have been established and using information on current performance to guide decision making. The final portion of the course focuses on performance monitoring and approaches for updating performance targets over time.

The main goal of the course is to provide agency staff with the skills and abilities to use the national measures to assess pavement condition, establish pavement condition targets, and report and evaluate pavement performance over time.

The course is organized into the following lessons:

- + Overview of TPM Legislative and Regulatory Requirements
- + Relating Pavement Performance to Planning, Asset Management and Existing Pavement Programs
- + The National Pavement Performance Measures
- + Setting Pavement Performance Targets
- + Reporting, Accountability, and Transparency

The course includes a written assessment. The course was launched in December 2017.

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To enroll in this Instructor-led Training course, select the 'View Sessions' button and select 'Add To Cart' next to your session choice. If there are no upcoming sessions, select 'Sign Up for Session Alerts.'

Any organization can host this course. To host this course and bring training to your organization, click the 'Host this Course' button.

OUTCOMES

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

- Describe the national performance management regulations related to pavement conditions
- List the data requirements for computing condition using national pavement performance metrics and measures
- Describe the process for using the national metrics and measures to assess pavement condition
- Describe the relationship of pavement performance measures and targets with the performance-based planning and programming process and asset management programs as they apply to pavement networks
- Calculate pavement performance targets using existing and historical condition data, funding, other programming constraints, and predicted future condition information
- Explain common challenges in establishing pavement performance targets and approaches that can be used to address them
- Describe the process for pavement performance reporting and evaluation

TARGET AUDIENCE

The target audience for this Instructor-led Training course primarily consists of professionals responsible for pavement analysis, pavement project selection, evaluation of pavement investment strategies and associated risks, recommending pavement targets, and monitoring pavement condition. This audience may include pavement engineers, asset managers, planners, performance management, and programming staff of State and local agencies, consultants, and FHWA staff.

TRAINING LEVEL: Basic

FEE: 2021: \$0 Per Person; 2022: N/A

LENGTH: 1 DAYS (CEU: .6 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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