COURSE NUMBER
FHWA-NHI-138011

COURSE TITLE
The Role of Data in Transportation Performance Management

YOU CAN PREVIEW A SUMMARY OF THIS COURSE BY COPYING AND PASTING THE FOLLOWING URL: https://connectdot.connectsolutions.com/nhi138011executivesummary/

‘The Role of Data in Transportation Performance Management’ is a two-day Instructor-led Training (ILT) course offered by NHI, the authoritative source in transportation training. Its goal is to enable participants to manage, analyze, integrate, and use data from diverse sources to support an effective agency Transportation Performance Management (TPM) function.

As transportation management agencies are preparing for federally legislated performance management requirements, many want to improve their data programs to support desired results. This course will help agencies improve management and use of data to meet the TPM requirements of 23 CFR 490 and the related Moving Ahead for Progress in the 21st Century Act (MAP-21) and the Fixing America’s Surface Transportation Act (FAST).

The course begins with an overview of data management. It then details each part of the data supply chain, covering common needs, considerations, and challenges along the way. The course also covers issues related to data assessment and data improvement planning. The course material is synthesized at the end of the course through a group exercise in which participants create a data management and improvement plan.

This training can provide a useful starting point for agencies that wish to undertake improvements at all stages of the data life cycle.

The course includes a written assessment. The course content was last updated December 2017.

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To enroll in this Instructor-led Training course, click the ‘View Sessions’ button and click ‘Add To Cart’ next to your session choice. If there are no upcoming sessions, click ‘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:
• Discuss the purpose and benefits of accurate and current relevant data in TPM activities
• Describe TPM data analysis needs for system performance areas
• Explain the elements of TPM and related business practices and the data that supports them
• List data requirements related to use of performance projections for target setting
• Identify common data quality issues and techniques for addressing them
• Identify existing gaps in data quality, availability, linkage, and analysis tools that impact the ability to meet federally legislated requirements, as well as support broader agency performance management processes
• Develop a data management and improvement plan

TARGET AUDIENCE
The target audience for this Instructor-led Training course primarily includes staff at FHWA, State DOTs, MPOs, and national organizations, such as Association of Metropolitan Planning Organizations (AMPO) and American Association of State Highway and Transportation Officials (AASHTO) who would benefit from an overview of data management in the context of TPM applications and an appreciation for some basic data management concepts. The course is appropriate for the following types of roles: + Mid-level managers with TPM-related responsibilities + Pavement, bridge, safety, road inventory, traffic data managers, and analysts + Information technology staff that build reports or develop applications that support TPM business needs + Senior agency managers who have a strong interest in improving data at their organizations + Entry-level data managers and analysts who will be supporting agency TPM practices

Note: As an overview course, this course is not intended for seasoned transportation data professionals or those seeking an in-depth coverage of data needs and uses within any single performance area. It does not cover technical skill development in
database design, query methods, data integration, or data analysis.

**Training Level:** Basic

**Fee:** 2020: $200 Per Person; 2021: N/A

**Length:** 2 DAYS (CEU: 1.2 UNITS)

**Class Size:** Minimum: 20; Maximum: 30

NHI Customer Service: (877) 558-6873 • nhicustomerservice@dot.gov