

**COURSE NUMBER**

FHWA-NHI-139002

COURSE TITLE**Uses of Multimodal Freight Forecasting in Transportation Planning**

Freight forecasting requires an understanding of many factors, including economic trends, the distribution of traffic, and the operational characteristics of freight carriers. This course provides participants with an overview of freight forecasting and describes different forecasting techniques for facility-specific, metropolitan, and statewide needs. The course identifies freight planning questions that are commonly addressed by transportation planners, demonstrates the use and value of different freight forecasting techniques to answer those questions, and reviews notable practices of freight forecasting techniques used by metropolitan and State transportation agencies. It also provides participants with a basic understanding of freight transportation practices, the key parameters that influence economic growth and distribution of freight traffic, and currently available tools and data used to forecast future freight traffic.

OUTCOMES

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

- Explain why freight forecasting is important in the transportation planning process
- Discuss the roles of different freight transportation modes
- Describe the economic trends that influence freight growth
- Describe the role of intermodal terminals and their impacts on local traffic
- Identify the impacts of freight on travel demand forecasts
- Identify publicly and privately available sources of key freight data and understand the data sources' strengths and limitations as they relate to freight forecasting and planning

TARGET AUDIENCE

State and metropolitan planning organization (MPO) officials who are involved in transportation planning and/or forecasting; staff of State and local agencies, including DOTs, MPOs, port authorities, and local jurisdictions, who are involved in the development and management of freight projects and plans; and staff of Federal agencies, including FHWA, FRA, FAA, and other modal agencies that assist State and local agencies involved in transportation and/or freight planning and funding.

TRAINING LEVEL: Beginner

FEE: \$420 Per Person

LENGTH: 3.0 DAYS (CEU: 1.8 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Carol Keenan • (202) 366-6993 • carol.keenan@dot.gov

Subject Matter Contact: Lisa Randall • (720) 963-3209 • lisa.randall@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is part of the Freight Management and Operations Certificate of Accomplishment now offered by NHI.

*FHWA-NHI-139002 Uses of Multimodal Freight Forecasting in Transportation Planning
FHWA-NHI-139003 Advanced Freight Planning
FHWA-NHI-139005 Freight Planning and Environmental Considerations
FHWA-NHI-139006 Integrating Freight in the Transportation Planning Process - WBT*

**COURSE NUMBER**

FHWA-NHI-139003

COURSE TITLE**Advanced Freight Planning**

This course expands on freight topics covered in other FHWA-developed freight planning courses to provide techniques and strategies designed for those individuals directly involved in the implementation of transportation planning, programming and allocation of resources. It provides participants with the skills needed to identify, prioritize, develop and implement freight supportive projects. This is an advanced level course and it focuses heavily on resources and solutions, and how those solutions can be applied to developing plans and programs for public and private sectors.

Participants must successfully complete either FHWA-NHI-139001 (prior to 31 March 2008) or FHWA-NHI-139006 (after 1 April 2008) Integrating Freight in the Transportation Planning Process prior to attending 139003. Participants **MUST** bring a copy of their certificate of completion to their scheduled session of FHWA-NHI-139003 and provide it to the lead instructor.

OUTCOMES

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

- Discuss how freight transportation needs differ for major industry sectors
- Describe the role of the freight transportation systems in supporting economic competitiveness
- List the economic drivers that influence private sector freight transportation decisions
- Discuss how private sector needs can inform public sector performances measures
- Summarize methods for identifying and prioritizing freight projects
- Discuss the benefits of engaging private sector stakeholders in project identification
- List potential funding mechanisms for freight projects

TARGET AUDIENCE

Mid-level State DOT transportation and freight planners, City and County Planners (who deal with freight planning issues), MPO staff, Mid- and high-level public sector transportation and freight planners, consultants, private sector Freight Managers, economic development analysts, and FHWA Employees.

TRAINING LEVEL: Intermediate

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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COURSE NUMBER

FHWA-NHI-139004

COURSE TITLE

Principles of Effective Commercial Motor Vehicle (CMV) Size and Weight Enforcement

Principles of Effective Commercial Motor Vehicle Size and Weight Enforcement is a 2-day course targeting transportation professionals responsible for overseeing the preservation of Federal and state highway assets through annual VSW enforcement planning and Federal certification, as well as personnel directly involved in commercial VSW enforcement. The course provides techniques and strategies designed for those individuals working to implement VSW enforcement programs.

OUTCOMES

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

- Demonstrate the importance of Commercial VSW Enforcement
- Describe Federal VSW Regulations
- Discuss current issues, trends and technologies related to VSW Enforcement
- Use the SEP and Annual Certification to measure progress for implementing an effective VSW Enforcement Program

TARGET AUDIENCE

FHWA Division Office Staff, public employees from State and Local transportation agencies with Commercial Vehicle Operations (CVO) size and weight responsibilities, personnel from State and local law enforcement agencies, Federal Motor Carrier Safety Administration (FMCSA) field office personnel, trucking company managers, trucking association officials, law enforcement associations, and training staff from State transportation agencies.

TRAINING LEVEL: Beginner

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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Subject Matter Contact: Carol Keenan • (202) 366-6993 • carol.keenan@dot.gov

Subject Matter Contact: Diana Turchetta • (202) 493-0158 • diana.turchetta@dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



COURSE NUMBER

FHWA-NHI-139005

COURSE TITLE

Freight Planning and Environmental Considerations

This new course will help transportation planners and engineers, environmental planners, and freight planners in the public and private sectors better address and more effectively integrate freight and environment considerations in the public sector planning and project development processes. The course will also emphasize applicable and recent case studies from all modes to demonstrate the range of practices that are available to small, medium and large MPOs and urban and rural SDOTs, as well as exercises on analysis techniques and tool application.

Prerequisite - Participants must have a working knowledge of either transportation planning and/or environmental planning.

OUTCOMES

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

- Explain to transportation decision-makers the importance of addressing freight and environmental considerations within the transportation planning, programming, and project development process
- Incorporate freight and environmental issues earlier and more consistently within the transportation planning and programming process
- Identify strategies that balance statewide, regional, or metropolitan freight mobility needs with community and environmental goals
- Identify potential transportation improvement projects that balance freight mobility and community and environmental impacts
- Locate the resources and tools available to address freight and environmental considerations within the transportation planning and programming process

TARGET AUDIENCE

Mid-level State DOT transportation planners, freight planners, environmental planners and engineers; City and County transportation planners, freight planners and environmental planners; MPO transportation planners, freight planners and environmental planners; Mid- and high-level public sector transportation and freight planners; FHWA transportation planners, freight planners and environmental planners; U.S. DOT transportation planners, freight planners and environmental planners; State and Federal Resource Agencies transportation planners, freight planners and environmental planners, such as the Environmental Protection Agency, U.S. Fish and Wildlife, Army Corp of Engineers, etc.; and Consultants.

TRAINING LEVEL: Beginner

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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COURSE NUMBER

FHWA-NHI-139006 and FHWA-NHI-139006W

COURSE TITLE

Integrating Freight in the Transportation Planning Process



Freight transportation issues can be complex and involve many different stakeholders, all of whom have different perspectives on the freight transportation system. The challenge faced by many public-sector transportation planners is how to best incorporate these freight perspectives into the transportation planning process in a way that results in a safe and efficient transportation system for both people and goods. This Web-based training course will provide a greater understanding of freight trends, its stakeholders, and its issues, so that public-sector transportation planners are better able to incorporate freight into their respective transportation planning processes and programs.

This WBT course is an update of and replaces the Instructor-led training FHWA-NHI-139001. If you are taking this course as a prerequisite for FHWA-NHI-139003 Advanced Freight Planning, you MUST provide your certificate of completion to the test lead instructor on the first day of class. You are able to print out your certificate after you complete your online exam. If you need help enrolling in this Web-based training, contact Lexi Buscaglia at (703) 235-0556.

In accordance with the Rehabilitation Act of 1973, as amended, this WBT is also available in an accessible 508 compliant version. See course number FHWA-NHI-139006W for more information.

OUTCOMES

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

- Identify the stakeholders involved in freight transportation
- Explain the role of different modes in freight transportation
- Describe some trends affecting freight transportation, and their impact on a State's transportation system and communities
- Discuss some of the common issues that prevent freight from being fully incorporated into the planning process
- Identify key resources to help guide statewide and metropolitan freight planning effort

TARGET AUDIENCE

Transportation planners and freight transportation planners from State DOTs, MPOs, local governments, and Federal agencies

TRAINING LEVEL: Beginner

FEE: FREE

LENGTH: 6.0 HOURS (CEU: 0.6 UNITS)

CLASS SIZE: MINIMUM: 1; MAXIMUM: 1

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This training replaces the Instructor-led version (FHWA-NHI-139001). See page 15 in the catalog for more information on this course as part of the Freight Management and Operations Certificate of Accomplishment.