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U.S. Department of Transportation
Federal Highway Administration

Planning for TSMO: National Highway Institute (NHI) Virtual Course Offerings

The Federal Highway Administration (FHWA) is pleased to offer three training courses on integrating Transportation Systems Management and Operations (TSMO) into planning, project development, and ongoing TSMO programs. The three web-based training courses are being offered through NHI. Courses 1 and 2 use a self-paced format, and Course 3 is real-time training facilitated by planning and TSMO subject matter experts.

The three courses are designed to be taken sequentially, but Courses 1 and 2 could be taken on their own. Course 2 serves as a prerequisite for Course 3. Course 1 should be taken before Course 2, but those with basic knowledge of TSMO and TSMO planning may not need to take Course 1.

Who Can Benefit from These Courses?

State, regional, and local transportation planners

Those involved in TSMO program development

Project development and programming practitioners

Transportation operations specialists, such as those in: traffic management, transit management, and freight operations.



Source: USDOT/Getty

NHI-133131: Planning for TSMO-Introduction

This web-based self-paced training course takes approximately 2 hours to complete and includes:

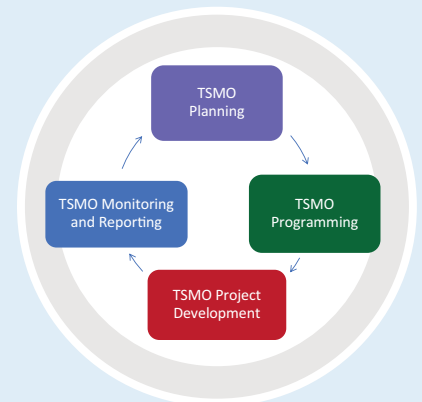
- An introduction to planning for TSMO
- An overview of the process of planning for TSMO (an objectives-driven performance-based approach)
- The need and methods of collaboration
- Ways to promote institutionalizing of planning for TSMO

NHI-133132: Planning for TSMO-Concepts and Applications

This web-based self-paced training course takes approximately 6 hours to complete and includes:

- An examination of the steps to integrate TSMO into the transportation planning process
- How TSMO strategies can enhance planning, programming, and project development outcomes
- How to implement and evaluate the effectiveness of an objectives-driven performance-based approach

The Transportation Planning Process



Source: FHWA

NHI-133133: Planning for TSMO-Putting Concepts into Action

This web conference training session is facilitated by an instructor and can be offered as two 3-hour sessions or three 2-hour sessions. The optimal course size for this type of training is 15 people. This interactive course provides a venue for transportation professionals to work together to practice applying the steps (or techniques) of planning for TSMO.



Source: USDOT/Getty



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NHI-133131: Planning for TSMO-Introduction

This introductory course focuses on planning for TSMO and ways to effectively integrate TSMO into the transportation planning process. The web-based self-paced training course is ideal for transportation planners and operations staff who want to understand more about planning for TSMO and includes three modules:

1. Overview and Value of Planning for TSMO
2. Incorporating Planning for TSMO into the Transportation Planning Process
3. Creating a Foundation to Plan for TSMO

NHI-133132: Planning for TSMO-Concepts and Applications

This web-based self-paced training course builds upon Course 1 and examines the steps to integrate TSMO into the transportation planning process. It will appeal to transportation planning and operations staff who have some experience with TSMO strategies and want to understand how to integrate TSMO into their agency processes. The course includes seven modules:

1. Course 1 Review
2. Goals, Objectives, and Performance Measures
3. Identifying, Evaluating, and Selecting TSMO Strategies
4. Programming
5. Project Development
6. Monitoring, Evaluating, and Reporting
7. Creating and Maintaining a Foundation to Plan for TSMO

NHI-133133: Planning for TSMO-Putting Concepts into Action

This interactive course will use activities that engage participants in discussion and application of knowledge to a scenario to bring the concepts of planning for TSMO to life. The course will be conducted by a “host” agency, who will provide local context and perspectives. The host agency will identify and invite participants within the State or region to participate in the course. Additionally, other individual participants may sign up for the course through NHI. Learners will be able to apply concepts to their specific interests and needs when attempting to integrate TSMO into the transportation planning, programming, and project development processes.

www.nhi.fhwa.dot.gov

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FHWA-HOP-22-025