

TSMO 101

The transportation world is changing. That's why we need to view the transportation network as a unified whole, making sure that various transportation modes and facilities work together and, ultimately, perform better.

Transportation Systems Management and Operations (TSMO) is a set of strategies that make operational improvements to maintain and restore the performance of the existing transportation system before extra capacity is needed. TSMO aims to maximize performance by using a systems perspective instead of looking at one corridor, project, or strategy in isolation. TSMO helps agencies balance supply and demand and provide flexible solutions to match changing conditions.

What is this training about?

The goal of this course is to provide introductory knowledge of TSMO so that transportation practitioners have a common understanding of TSMO strategies and concepts. This course explains TSMO through contextual examples so that practitioners can develop a real-world understanding of it, how it relates to what they do, and what benefits can be realized through its use. Beyond the essential concepts, the course also summarizes the application of various TSMO strategies and reviews the institutional capabilities and approach to planning an agency needs to implement TSMO.

Why is this training important?

As TSMO continues to evolve through increased use of technologies, real-time data, and multi-agency collaboration, many champions continue to see the need to expand transportation staff understanding of the role of TSMO, what it offers, why it is essential to integrate into the agency's operations, and how it can impact the performance of the multimodal transportation system.

Course at a Glance

TSMO 101 (NHI-133140)

Course Level

- Beginner level; no prerequisites

Target Audience

- State and local transportation agency and metropolitan planning organization personnel in all roles with limited experience with TSMO
- Federal transportation personnel, students, academia, association staff, private sector, and media with limited knowledge of TSMO

Course Time & Type

- 1.5 hours
- Self-paced Web-based training (WBT)

Course Modules

- Introduction: The Need for TSMO
- Module 1: TSMO Concepts
- Module 2: Overview of TSMO Strategies
- Module 3: Successfully Implementing TSMO in Your Organization
- End of Course Assessment



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