INTELLIGENT TRANSPORTATION SYSTEMS (ITS)

COURSE NUMBER
FHWA-NHI-137050

COURSE TITLE
ITS Awareness WBT

This course is brought to you by the Intelligent Transportation Systems Joint Program Office's Professional Capacity Building Program (https://www.pcb.its.dot.gov/).

This course provides public and private sector practitioners with an introduction to current intelligent transportation systems (ITS). It presents an overview of the broader context in which individual ITS applications and service packages are developed, deployed, and operated. It also offers insights into the future directions in which ITS is expected to develop. This course will be of particular interest to Department of Transportation (DOT) staff seeking to introduce ITS to a wider number of staff, while also advancing the ITS expertise of select staff.

Lesson Topics include:
- Foundational Concepts of ITS
- ITS Service Areas and Service Packages
- Operational Environment
- Connected Vehicles (CV), Automated Vehicles (AV), and Connected and Automated Vehicles (CAV or C/AV)

This web-based course (WBT) offers an End-of-Course Assessment that qualifies you to receive Continuing Education Credits (CEUs).

OUTCOMES
Upon completion of the course, participants will be able to:
- Identify the capabilities, projects, technologies, and methods of ITS that enable it to be “intelligent” (or at least “integrated”)
- Determine how ITS fits into the overall framework of transportation and its impacts on the future of transportation
- List ways in which ITS affects the various users and stakeholders
- Identify the major areas of ITS in which transportation professionals work
- Describe how different areas of the United States are using ITS to operate their transportation systems safely and efficiently
- Describe how ITS elements share information using open standards to implement ITS capabilities across multiple modes and regions
- Identify future ITS technologies, especially with the future introduction of Connected and Automated Vehicles

TARGET AUDIENCE
Public and private sector practitioners with interest in new transportation directions, including increased information on CV, AV and Smart City activities.

TRAINING LEVEL: Basic

FEE: 2020: $0 Per Person; 2021: N/A

LENGTH: 6 HOURS (CEU: .6 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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