Course Number

FHWA-NHI-137046

WBT

Course Title

ITS Deployment Analysis System (IDAS) - WEB-BASED

This course is a Web-based training session on the newly developed ITS Deployment Analysis System (IDAS) software. IDAS provides ITS sketch planning capability to calculate the relative costs and benefits of ITS investments. IDAS incorporates a cost module, a benefit module and an internal travel demand model to generate cost/benefit comparisons for alternative ITS deployment scenarios. IDAS uses the output from an existing transportation planning model to establish a best-case scenario on which the user can deploy ITS services on specific links in the regional transportation network model.

The participant's computer should have the following recommended requirements: 500 MHz Intel Pentium II Processor or equivalent with 128 MB of RAM, Windows 2000, Windows NT, or Windows XP, color monitors, 2 GB of available disk space.

Outcomes

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

- Explain the importance of integrating operations/ITS into the planning and decision-making processes
- Explain that IDAS software can be used to link operations to the planning process
- Demonstrate how IDAS uses the network and output from an existing regional travel demand model
- Employ IDAS to screen ITS alternatives and produce a cost/benefit analysis.
- Interpret IDAS results
- Review and refine IDAS defaults

Target Audience

FHWA, State DOT, metropolitan planning organization, and local government transportation planning staff members who are involved in the day-to-day elements of transportation planning and modeling would benefit for this course. Operations Engineers, ITS Project Managers, and Transit Agency Personnel (this includes individuals who: 1. develop inputs for, set up, and carry out analyses of operations/ITS alternatives and/or 2. examine results, conduct sensitivity analyses, and explore tradeoffs of such analyses created by others) would also benefit for this course.

Training Level: Basic

Fee: 2013: $0 Per Person; 2014: N/A

Length: 5 HOURS (CEU: .5 UNITS)

Class Size: MINIMUM: 1; MAXIMUM: 1

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