Dynamic Traffic Assignment (DTA) Training Workshop

Sponsored by: Federal Highway Administration
Speakers::

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Date: August 11, 2010
Location: TBA

The latest mesoscopic simulation-based Dynamic Traffic Assignment (DTA) methodology offers a cost-effective capability for regional and corridor wide dynamic traffic modeling. Integrating travel demand models and microscopic simulation models with DTA in a multi-resolution modeling (MRM) framework, synergizes the expanded capability beyond the limitation of respective models and empowers a modeler to obtain robust and consistent model outputs for complex policy, planning and operations questions such as integrated corridor management, work zone mobility, congestion pricing, public-private partnership, work zone management, next generation air quality analysis, etc.

The DTA methodology is now being applied to various regional operational planning projects nation-wide due to its functional advantage, and improved model usability and run-time performance. This half-day workshop is aimed at providing the participants with:

(1) Summarizing DTA deployment activities nation-wide,
(2) Explaining DTA in a nutshell,
(3) Explaining Concepts of the MRM framework, and
(4) Discussing ideas on how DTA may be a useful technology for Michigan, and
(5) Answering questions from Michigan planning and operations communities.

This workshop is organized and sponsored by FHWA in collaboration with Michigan Department of Transportation and SEMCOG.

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