

**COURSE NUMBER**

FHWA-NHI-380100

**COURSE TITLE****Using IHSDM**

NHI delivers Web-conference Training to you!

The IHSDM course is a training that gives participants the opportunity to use the IHSDM software tools to evaluate and analyze highway designs.

The delivery format consists of 4 live Web Conference Trainings (WCT), which participants are required to attend. In between Web-conferences, participants must complete self-paced assignments.

The Interactive Highway Safety Design Model (IHSDM) is a suite of software analysis tools used to evaluate the safety and operational effects of geometric design decisions on highways.

IHSDM is a decision-support tool, which provides estimates of a highway design's expected safety and operational performance and checks existing or proposed highway designs against relevant design policy values. Results of the IHSDM support decisionmaking in the highway design process. Intended users include highway project managers, designers, and traffic and safety reviewers in State and local highway agencies and in engineering consulting firms.

The IHSDM, which supports the Data-Driven Safety Analysis initiative that is part of Federal Highway Administration's (FHWA's) Every Day Counts 3 efforts, includes six evaluation modules (Crash Prediction, Design Consistency, Intersection Review, Policy Review, Traffic Analysis, and Driver/Vehicle). This Web site summarizes the capabilities and applications of the IHSDM evaluation modules, and provides a library of the research reports documenting their development.

The IHSDM - HSM Predictive Method 2015 Release (version 11.0.1, October 2015) may be downloaded free of charge at <http://www.ihsdm.org>. The new version includes major enhancements to the Policy Review Module, which was expanded to include policy checks for rural multilane highways.

www.fhwa.dot.gov/research/tfhr/projects/safety/comprehensive/ihsdm/index.cfm

OUTCOMES

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

- Explain the scope and uses for the IHSDM tool.
- Input rural highway data to IHSDM.
- Explain the purpose of each of the six IHSDM modules.
- Demonstrate the workflow for each IHSDM module.
- Interpret and apply data from IHSDM reports and graphs to make rural highways safer.

TARGET AUDIENCE

The Using IHSDM Course is designed for personnel working on highway design projects who will be directly interacting with the IHSDM software tools or applying the data generated by them. The IHSDM course benefits highway design project managers, planners, designers, safety engineers, and other personnel responsible for reviewing operations and safety on rural highways. Participants should have general familiarity with highway design elements and terminology.

TRAINING LEVEL: Intermediate

FEE: 2017: \$280 Per Person; 2018: N/A

LENGTH: 12 HOURS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 10; MAXIMUM: 45

NHI Customer Service: (877) 558-6873 • nhicustomerservice@dot.gov