

**COURSE NUMBER**

FHWA-NHI-380070B

COURSE TITLE**Highway Safety Manual Practitioners Guide for Multilane Highways**

This course provides proven methodology for the safety performance of geometric design decisions for multilane highways in a like manner to that of predicting capacity and level of service based upon large scale definitive research. The crash prediction models for total crashes based upon lane width, shoulder width, roadside hazard, traffic volume (exposure) and other characteristics are presented. Examples of safety performance prediction are presented for highway segments and intersections.

Discussion of research and the interactive effects on safety performance for median width and barriers, of access (driveways) and side streets and intersection turning lanes are presented. Each student receives a copy of the "Safety Effects of Highway Design Features" manual.

IMPORTANT: Participants should bring a scientific notation calculator as the course involves calculating decimal value to decimal power for crash prediction values.

OUTCOMES

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

- Recognize the safety effects of geometric design features
- Predict the safety performance of geometric design features
- Compare alternative designs based upon an assessment of the safety effects of geometric design features

TARGET AUDIENCE

State and local highway engineers and consultants involved in the design of multilane highways.

TRAINING LEVEL: Accomplished

FEE: 2016: \$300 Per Person; 2017: \$300 Per Person

LENGTH: 1 DAYS (CEU: .6 UNITS)

CLASS SIZE: MINIMUM: 20; **MAXIMUM:** 30

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