This workshop is based on Chapters 18 and 19 of the Highway Safety Manual. The chapters contain information and models designed to compute predicted crash levels for various design options for freeway segments, ramps and ramp terminals. The workshop is two days in length including lecture and group exercises utilizing a section of freeway in Pennsylvania.

LEARNING OUTCOMES

1. Describe how a freeway/interchange safety analysis should support decision making on project design choices.

2. List examples of how the Highway Safety Manual chapters on freeways and interchanges could be applied in project decision making.


4. Apply the Enhanced Interchange Safety Analysis Tool (ISATe) tool for assessing safety on freeways and interchanges.

5. Apply the Interactive Highway Safety Design Model (IHSDM) tool for assessing safety on freeways and interchanges.

WORKSHOP AGENDA (2-days)

PART 1 - Introduction - The important aspects of the new chapters will be highlighted.

PART 2 - ISATe Safety Modeling - Lecture on the tool, combined with demonstrations and hands on exercises for participants.

PART 3 - IHSDM Safety Modeling – Lecture on the tool, combined with demonstrations and hands on exercises for participants.