



COURSE NUMBER

FHWA-NHI-380078V

COURSE TITLE

Signalized Intersection Guidebook Workshop (VIRTUAL DELIVERY)

This course provides a holistic approach to signalized intersections and considers the safety and operational implications of a particular treatment on all system users, including motorists, pedestrians, bicyclists, and transit users. Using the guide, participants learn to make insightful intersection assessments, understand the tradeoffs of potential improvement measures, and apply guidebook measures and best practices to reduce the incidence of intersection crashes.

Practitioners will find the tools and information necessary to make insightful intersection assessments and to understand the impacts of potential improvement measures. The information in this guide is based on the latest research available and includes examples of novel treatments as well as best practices in use by jurisdictions across the United States and other countries. Additional resources and references are mentioned for the practitioner who wishes to learn more about a particular subject.

This guide upon which this workshop is based is not intended to replicate or replace traditional traffic engineering documents such as the Manual on Uniform Traffic Control Devices (MUTCD), the Highway Capacity Manual (HCM) 2010 or the American Association of State Highway and Transportation Officials' (AASHTO) A Policy on Geometric Design of Highways and Streets, nor is it intended to serve as a standard or policy document. Rather, it provides a synthesis of the best practices and treatments intended to help practitioners make informed, thoughtful decisions.

OUTCOMES

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

- Describe the process for selecting traffic signal locations
- Explain various traffic signal parameters, left turn phasing options, and detection
- Explain the relationship between safety and operations
- Identify and describe performance and safety impacts of traffic signal treatments

TARGET AUDIENCE

Professionals responsible for design, management, or operation of traffic signals. This includes design engineers, operations engineers and technicians (advanced) of state/local agencies, consultants, and FHWA Operations staff.

TRAINING LEVEL: Intermediate

FEE: 2021: \$130 Per Person; 2022: N/A

LENGTH: 6 HOURS (CEU: .6 UNITS)

CLASS SIZE: MINIMUM: 15; MAXIMUM: 20

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