Modern Roundabouts — Intersections Designed for Safety

This class aims to advance the practitioner’s knowledge of traffic operations and geometric design beyond basic awareness. We will share both best and noteworthy practices, as well as the latest research in modern roundabout design. Participants will engage in group exercises to improve familiarity with capacity analysis and design principles. Attendees are encouraged to bring local case studies of current or potential roundabout projects to be discussed during the workshop. Existing Connecticut roundabout projects and lessons learned will also be examined.

Who Should Attend

This program is designed for Town Engineers, Directors of Public Works, Planners and Officials with at least one year of experience.

Participants will receive 6 credit hours toward their CT Safety Champion designation.
**Course Instructors**

**Hillary Isebrands, P.E., PhD**, is a Safety Engineer with the Federal Highway Administration Resource Center. She focuses her time on intersection safety and design: specializing in roundabouts; local/rural design and safety; and pedestrian safety. Hillary is a member of the Transportation Research Board Roundabout Committee.

**Scott Bushee, P.E.,** is a Project Manager with the CT Department of Transportation’s Highway Design Office. Scott has served as a Project Manager for Modern Roundabouts in Monroe and Salem and as a Project Engineer for Modern Roundabout projects in West Haven, Killingworth, and Ellington. He is currently the Chairman of the CT Department of Transportation’s Roundabout Review Team.

---

**Registration**

- Please visit [www.t2center.uconn.edu](http://www.t2center.uconn.edu) to register for this class online.

- **Registration contact:** Please direct any questions to Lisa Knight at [lisa.knight@uconn.edu](mailto:lisa.knight@uconn.edu) or call (860) 486-4396.

- **Free.** No registration fee is charged for this class. This training opportunity is offered by the Training & Technical Assistance Center’s Connecticut Safety Academy.

- Registrations will be accepted on a first come, first served basis.

- Approximately one week prior to the class, you will receive an email confirmation of your attendance, along with the address of the workshop location.

- If you require an accommodation to participate in this workshop, please contact Lisa Knight at [lisa.knight@uconn.edu](mailto:lisa.knight@uconn.edu) or call (860) 486-4396.

- Please advise if you have dietary restrictions.

- Photographs may be taken for promotional and training purposes. Please notify us during registration if you do not wish to be photographed.

---

**Learning Objectives**

Upon completion of this class, participants will know how to:

- Describe the basic features of modern roundabouts and the differences between other circular intersections

- Describe the feasibility of roundabouts in different environments, settings and context

- Describe intersection performance metrics

- Apply basic traffic operational models and capacity calculations for roundabouts

- Describe key geometric design principles and signing and marking suggested practices

- Describe design strategies for pedestrians and bicyclists

- Describe the key considerations when planning an area’s first roundabout

- Describe state of the practice for signing, marking, lighting and construction phasing

- Apply safety, operations and design principles to CT case studies

- Describe educational tools and resources for roundabouts