CT TRAFFIC SIGNAL ACADEMY

Traffic Signal Design and Operation

A CT Traffic Signal Academy Workshop

There is a need to understand that the congestion and delays that exist on our streets and roadways can be better managed with a thorough understanding of effective traffic signal timing and optimization. Well-developed, designed, implemented, maintained, and operated traffic signal control projects are essential to this process. This course addresses the application of the "Manual of Uniform Traffic Control Devices" (MUTCD) to intersection displays, as well as signal timing, computerized traffic signal systems, control strategies, integrated systems, traffic control simulation, and optimization software. The course is divided into two primary parts: Traffic Signal Timing and Design, and Traffic Signal Systems.

Please note: These are socially distant sessions. All state and university COVID-19 precautions will be followed.

Who Should Attend

Traffic engineering personnel from local and state agencies involved in planning, design, operation or maintenance of traffic signals or traffic signal systems.

Participants will receive 12 credit hours towards their CT Traffic Signal Champion designation.

Course Instructors

Richard Denney
Operations Specialists with the FHWA Resource Center

Robert Saylor, P.E., P.T.O.E.
Research Engineer with Texas A&M Transportation Institute

Dates & Location

2 Day Course

September 14th & 15th
Cheshire, CT

Both Days
Session is 8:30am—3:30pm
(Registration begins at 8:00am)
Lunch will be provided.

Learning Objectives

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

- List the steps required to plan, design, and implement a signalized intersection.

- Devise an appropriate data collection plan.

- Perform a warrant analysis using the MUTCD warrants.

- Design basic phasing of the intersection.

- Calculate signal timing at the design stage.

- Select signal-related signs and pavement markings.

Registration

- Please visit **www.cti.uconn.edu/ctiT2_Workshop_Schedule.asp** to register for this class online.

- **Registration Contact:** Please direct any questions to Bethe Greene at bethany.greene@uconn.edu.

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

- Registrations will be accepted on a first come, first served basis. Space is limited so register early.

- 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 Bethe Greene at bethany.greene@uconn.edu.

- Please advise if you have dietary restrictions.

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

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