

REGISTER ONLINE/MAIL/FAX TO:

Tennessee Transportation Assistance Program
(TTAP)
Attn: Diana Webb
Center for Transportation Research
The University of Tennessee
Knoxville, Tennessee 37996-4133
Tel: 865-974-5255 Fax: 865-974-3889
Web: <http://ctr.utk.edu>

RETURN AS SOON AS POSSIBLE

TRAFFIC SIGN RETROREFLECTIVITY
(Copy and fill out one for each registrant)

(Please print)

NAME: _____
TITLE: _____
ORGANIZATION: _____
STREET ADDRESS: _____
CITY: _____ STATE/ZIP: _____
PHONE: _____ FAX: _____ EMAIL: _____

Please check appropriate box:
 \$120 (Other) \$45 (Employee of Tennessee City or county)

Payment by:
 Check (payable to The University of Tennessee)
 Cardholder's Name/Signature _____ Expires: _____
 Card No: _____ Security Code # _____

REGISTRATION

The registration fee is \$120 per person. A Tennessee city or county employee is eligible for a **TTAP scholarship** registration fee of **\$45**. TDOT employees must register through their local TDOT Training Office. Please note your employment status on the registration form. The workshop fee include s ONLY materials and coffee breaks. **(NO LUNCH PROVIDED)**. A course may be canceled if there is low enrollment. Forty-eight hours notice will be given to registrants if a course is canceled. **Register early! Limited enrollment!**

CANCELLATION POLICY

Due to commitments to our instructors and facilities, the registration fee is not refundable if a registrant withdraws less than forty-eight hours before the workshop. You may substitute registrants; please notify us in advance if possible. Please register early as attendance to our workshops has increased. We may not accommodate walk-ins on the day of the workshop.

REGISTER ONLINE/MAIL/FAX TO:

Tennessee Transportation Assistance Program (TTAP)
Attn: Diana Webb
Center for Transportation Research
The University of Tennessee
Suite 309, Conference Center Bldg.
Knoxville, TN 37996-4133
Tel: 865-974-5255 Fax: 865-974-3889
Web: <http://ttap.utk.edu>

TRAFFIC SIGN RETRO-REFLECTIVITY

**April 10, 2019
(Knoxville, TN)**



CENTER FOR TRANSPORTATION RESEARCH

309 Conference Center Bldg. • Knoxville, TN 37996 • Tel: 865-974-5255 • <http://ttap.utk.edu>

WHAT THIS IS ABOUT

The Federal Highway Administration revised its Manual on Uniform Traffic Control Devices (MUTCD) in 2008 to establish minimum retroreflectivity levels that must be maintained for traffic signs. These changes have required many state and local roadway agencies across the nation to significantly revise their approach to traffic sign materials, maintenance, and service life. This workshop will detail the 2008 changes to the MUTCD, discuss subsequent revisions to the MUTCD that affect traffic sign retroreflectivity standards and compliance dates, and identify real-world examples of sign retroreflectivity management and measurement techniques. The workshop will discuss several different sign assessment, measurement, and management techniques, including: nighttime inspection, calibration signs, measured sign retroreflectivity, expected sign life, blanket replacement, and control signs.

WHO SHOULD ATTEND?

This workshop will provide useful and important information for any transportation official responsible for the purchase, installation, or maintenance of traffic signs. Ideal participants include highway superintendents and public works directors, engineering consultants, maintenance foremen, and sign shop employees. This workshop may also be helpful for elected officials or administrators who oversee local street and highway budgets.

INSTRUCTOR

Matthew A. Cate, P.E.

Mr. Cate is the Director of TTAP and a research staff member at the University of Tennessee's Center for Transportation Research. He holds both B.S. and M.S. degrees in Civil Engineering from the University of Tennessee. Mr. Cate has over twenty years of research and practical experience in the areas of highway safety and traffic operations.

WHEN-WHERE

April 10, 2019 (Knoxville, TN)
NTRC (2nd floor meeting room)
2360 Cherahala Blvd.
Knoxville, TN 37932
Tel: 865-946-1500 for directions

CEUs/PDHs AVAILABLE

0.6 Continuing Education Units (CEUs)/6 Professional Development Hours (PDHs) can be granted for this course.

The University of Tennessee is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution in the provision of its education and employment programs and services. All qualified applicants will receive equal consideration for employment and admission without regard to race, color, national origin, religion, sex, pregnancy, marital status, sexual orientation, gender identity, age, physical or mental disability, genetic information, veteran status, and parental status.

AGENDA

- 8:00 am Registration
- 8:30 am Welcome and Introductions
- 8:45 am Retroreflectivity Background
- 10:00 am Break
- 10:15 am Current retroreflectivity requirements
- 11:00 am Sign Inventory Requirements
- 11:15 am Visual Inspection Methods
- 11:30 am Comparison Panel Procedure
- 12:00 pm Lunch (on your own)
- 1:00 pm Calibrated Signs Procedure
- 1:30 pm Consistent Parameters Procedure
- 2:00 pm Retroreflectivity Measurements
- 2:15 pm Retroflectometer Demonstration
- 2:45 pm Break
- 2:55 pm Sign Management Methods
- 3:00 pm Expected Sign Life Method
- 3:15 pm Blanket Replacement Method
- 3:30 pm Control Signs Method
- 3:45 pm Workshop Wrap-up
- 4:00 pm Adjourn