REGISTRATION MAIL/FAX TO:

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

RETURN AS SOON AS POSSIBLE

INTRODUCTION TO TRAFFIC SIGNALS
(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 TN city or county)
☐Knoxville (Nov 10, 2010) ☐Nashville (Dec 8, 2010) ☐Jackson (Dec 15, 2010)
☐Check (Payable to The University of Tennessee)
☐ ☐ Cardholder's Name/Signature: _____ Expires: _____
☐ Card No: _____

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 covers the cost of breaks and lunch. Please let us know of any special dietary needs. 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.

HOW TO REGISTER

Fill out the attached registration form and fax/mail to the address below:

Tennessee Transportation Assistance Program (TTAP)
Attn: Diana Webb
Center for Transportation Research
The University of Tennessee
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INTRODUCTION TO TRAFFIC SIGNALS

November 10, 2010
Knoxville, TN

December 8, 2010
Nashville, TN

December 15, 2010
Jackson, TN

Training Workshops
Sponsored by
The Center for Transportation Research
The University of Tennessee

Tennessee Transportation Assistance Program

OVERVIEW

Traffic signal operations play an important role in the safe, orderly and efficient movement of vehicles, bicycles, and pedestrians. Optimizing available technology while applying innovative concepts can improve the capacity and potentially reduce excessive delay in signalized intersections. This workshop will present the basic principles of traffic signals and serve as an introduction to appropriate operational practices.

OBJECTIVES & BENEFITS

The ***Introduction to Traffic Signals*** will offer the fundamental knowledge applicable to signal design, signal timing, controller programming, signal installation and maintenance of traffic signals. Upon completion of the workshop, the student will have a better appreciation for the history and justification of traffic signals, knowledge of the terms used in the signal industry, and an understanding of the operational characteristics of traffic signals, from pre-timed to adaptive control. New MUTCD provisions such as the optional use of the "*flashing yellow arrow*" for permissive left turns will be presented. In addition, students will be able to recognize and learn the function of traffic signal components, understand traffic signal detection layouts and features, and learn the basic concepts of advanced topics like coordination and preemption.

WHO SHOULD PARTICIPATE

Local and state government employees, consulting engineers, and others with an interest or need for fundamental traffic signal knowledge will benefit from this workshop. The workshop material will serve as a review and as an excellent source of current information for people with different levels of experience in traffic signal operations.

CEUs/PDHs AVAILABLE

0.6 Continuing Education Units (CEUs)/6 Professional Development Hours (PDHs) can be granted for this course. A $10 administrative fee is required if you want your CEUs registered with the University of Tennessee.

WHEN-WHERE

November 10, 2010 (Knoxville – TN)
National Transportation Research Center (NTRC)
2360 Cherhala Blvd.
Knoxville, TN 37923
Tel: 865-946-1500 for directions

December 8, 2010 (Nashville – TN)
Ellington Agricultural Center (UT Extension Office)
5201 Marchant Drive
Nashville, TN 37211-5112
Tel: 615-832-6550 for directions

December 15, 2010 (Jackson – TN)
West Tennessee Research & Education Center
(Room B)
605 Airways Blvd
Jackson, TN – 38301
Tel: 731-424-1643 for directions

INSTRUCTORS

Alan L. Childers, P.E.
Mr. Childers, P.E., is a Vice President of the Transportation Group for the engineering firm of Cannon & Cannon, Inc., located in Knoxville, Tennessee. He holds B.S. and M.S. degrees in Civil Engineering from the University of Tennessee, and has over thirty years experience in Traffic Engineering and Roadway Design, with both public and private agencies. Mr. Childers has also served as an Adjunct Assistant Professor with the University of Tennessee Department of Civil Engineering, teaching Transportation Engineering and Geometric Design Courses.

Airton G. Kohls, Ph.D.
Mr. Kohls is a Research Associate at the University of Tennessee's Center for Transportation Research. He holds a B.S., a M.S. and a Ph.D. degree in Civil Engineering from the University of Tennessee. He has 10 years of practical experience in Traffic Engineering with both public and private agencies.

AGENDA

8:00am	Registration
8:30am	Introduction and Opening Remarks
8:45am	Traffic Signal History and Evolution
9:15am	Justifying Traffic Signals and Intro to the MUTCD
10:00am	Break
10:15am	Terminology
11:00am	Operational Characteristics
11:45am	Lunch
12:45pm	Traffic Signal Equipment and Components
1:30pm	Detection Concepts
2:15pm	Break
2:30pm	Overview of Advanced Signal Topics
3:15pm	Review/Discussion/Conclusion
4:05pm	Written Exam*

**For participants who want to receive credit for the course toward the Transportation Engineering Certificate.*

TENNESSEE ACADEMY FOR TRANSPORTATION ENGINEERING (TATE)

The Tennessee Academy for Transportation Engineering (TATE) is an educational program providing continuing education for engineers, planners, designers and technicians. The program focuses on the basic design of transportation facilities, the evaluation of traffic operations, and the collection of data to support various transportation studies. Successful completion of the required curricula of core and elective courses, confers TATE certification. For more information, contact Frank Brewer at 865-974-5255.