

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 at least 10 working days in advance. 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: Wilma Wilson
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: ctr.utk.edu/ttap

MAIL/FAX REGISTRATION TO:
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RETURN AS SOON AS POSSIBLE

TRAFFIC FLOW PRINCIPLES

(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:

\$45 (Employee of Tennessee City or County)

\$120 (Others)

Payment by:

Check (payable to The University of Tennessee)

 Cardholder's Name/Signature _____

 Card No: _____

Expires: _____

May 22, 2008 (Chattanooga)

September 9, 2008 (Jackson)

TRAFFIC FLOW PRINCIPLES

May 22, 2008 (Chattanooga)

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SPONSORED BY:

The University of Tennessee
Center for Transportation Research



Tennessee Department of Transportation



COURSE CONTENT AND OBJECTIVES

A basic understanding of traffic flow is essential for addressing many traffic engineering issues, including signal timing, capacity analysis, and incident management. This course describes the basic elements of the traffic system, along with the influences of each. The course also presents various approaches to modeling and analyzing traffic flow. Upon completion of the course, the attendee will be able to:

- = characterize elements of the traffic system
- = define key traffic stream parameters
- = express theoretical relationships between traffic stream parameters
- = describe types of traffic flow
- = define measures of performance for highway operations
- = summarize basic studies to evaluate traffic stream performance

This workshop is a core requirement for TATE.

WHO SHOULD ATTEND?

This course is intended for managers, engineers, and technicians involved with traffic operations. Basic math skills are required.

CEUs/PDHs AVAILABLE

The course counts for 0.6 Continuing Education Units (CEUs)/6 Professional Development Hours (PDHs). The University of Tennessee requires a \$10 administrative fee to register CEUs. Registration of CEUs is optional.

WHEN - WHERE

May 22, 2008 (Chattanooga, TN)

TDOT Region 2
(Auditorium)
4005 Cronwell Road
Chattanooga, TN 37241
Tel: 423-510-1143 for directions

September 9, 2008 (Jackson, TN)

West Tennessee Research & Education Center
605 Airways Blvd. Room A
Jackson, TN 38301
Tel: 731-424-1643 for directions

INSTRUCTOR

David B. Clarke, Ph.D., P.E.

Dr. Clarke is currently Director of the Tennessee Transportation Program (TTAP) and Research Associate Professor in the Department of Civil and Environmental Engineering at the University of Tennessee. During his 25+ years of experience in the transportation field, Dr. Clarke has taught college level classes and short courses, conducted research, and worked as an engineer. From 1998-2003, Dr. Clarke was on the faculty in the Civil Engineering Department at Clemson University where he taught graduate classes in traffic engineering, transportation planning and roadway geometric design. Dr. Clarke received his B.S., M.S., and Ph.D. in Civil Engineering (transportation emphasis) from the University of Tennessee. He is a registered professional engineer in Tennessee and South Carolina.

AGENDA

8:00 am	Registration
8:15 am	Introduction
8:45 am	Road user characteristics
9:45 am	Vehicle characteristics
10:20 am	Break
10:30 am	Roadway, roadway environment
11:00 am	Traffic control devices
11:30 am	Lunch
12:15 pm	Traffic Flow Concepts-Part 1
1:30 pm	Break
1:40 pm	Traffic Flow Concepts-Part 2
2:40 pm	Overview of Traffic Studies
3:40 pm	Review and Wrap Up
4:00 pm	* Written Exam

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

TENNESSEE ACADEMY FOR TRANSPORTATION ENGINEERING (TATE)

This course is one of the six new courses that form the core requirement for the Tennessee Academy for Transportation Engineering (TATE) certificate. TATE is a continuing education program for engineers, planners, designers and technicians. It 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.