

**REGISTER ONLINE/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: ttap.utk.edu

**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 \_\_\_\_\_ EMAIL \_\_\_\_\_

Please check appropriate boxes:  Free (city/county employees)  \$120 (Other)

Check (Payable to The University of Tennessee)  
Cardholder's Name/Signature: \_\_\_\_\_

Card No: \_\_\_\_\_  
 Security Code \_\_\_\_\_

Expires: \_\_\_\_\_

**REGISTRATION**

This is a **free** workshop for all city or county employees. Pre-registration is required. The registration fee for other attendees is \$120 per person. TDOT employees must register through their local TDOT Training Office. 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 have increased. We may not accommodate walk-ins on the day of the workshop.

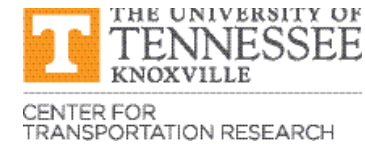
**HOW TO REGISTER**

Tennessee Transportation Assistance Program (TTAP)  
Center for Transportation Research  
Attn: Diana Webb  
The University of Tennessee  
Suite 309, Conference Center Bldg.  
Knoxville, TN 37996-4133  
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# TRAFFIC FLOW PRINCIPLES

**February 22-23, 2023  
ONLINE WORKSHOP  
(Free for Local Agencies)**



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

## WHAT THIS IS ABOUT

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

## WHO SHOULD ATTEND?

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

## WHEN & WHERE

**February 22-23, 2023**  
**(9:30am-12:30pm Eastern)**

**Online Workshop** (Instructions will be emailed to you when you register for the workshop.)

## INSTRUCTOR

**Airton G. Kohls, Ph.D.**

Dr. 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 twelve years of practical experience in Traffic Engineering with both public and private agencies. Mr. Kohls serves as an Adjunct Assistant Professor with the University of Tennessee, Department of Civil Engineering, teaching Traffic Engineering Operations.

## PDHs AVAILABLE

6 Professional Development Hours (PDHs) can be granted for this course. No partial credit available. Attendees must attend at least 90% of the workshop to get 6 PDHs.

## TENNESSEE ACADEMY FOR TRANSPORTATION ENGINEERING (TATE)

This course is one of six courses that form the **core requirement** for the Tennessee Academy for Transportation Engineering (TATE) certificate. TATE provides 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.

## AGENDA

**February 22, 2023**  
**(9:30am - 12:30pm Eastern)**

- Introduction
- Road user characteristics
- Vehicle characteristics
- Roadway, roadway environment
- Traffic control devices

**February 23, 2023**  
**(9:30am - 12:30pm Eastern)**

- Traffic Flow Concepts-Part 1
- Traffic Flow Concepts-Part 2
- Overview of Traffic Studies
- Review and Wrap Up

*Please inform us if you want to receive credit for the course toward the Tennessee Academy for Transportation Engineering Certificate.*

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.