

**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: ctr.utk.edu/ttap

**RETURN AS SOON AS POSSIBLE**

**ADVANCED WORKZONE DESIGN AND OPERATIONS**

(Copy and fill out one for each registrant)

(Please print)

NAME: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
ORGANIZATION: \_\_\_\_\_  
STREET ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_ STATE/ZIP: \_\_\_\_\_  
PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**REGISTRATION: \$275 PER PERSON  
(LUNCH NOT PROVIDED)**

Check (payable to The University of Tennessee)  
 Cardholder's Name/Signature \_\_\_\_\_  
 Card No: \_\_\_\_\_ Expires: \_\_\_\_\_



**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.

**REGISTRATION**

The registration fee is \$275 per person. TDOT employees must register through their local TDOT Training Office. The workshop fee includes 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.**

**HOW TO REGISTER:**

Register online/mail or fax to:

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

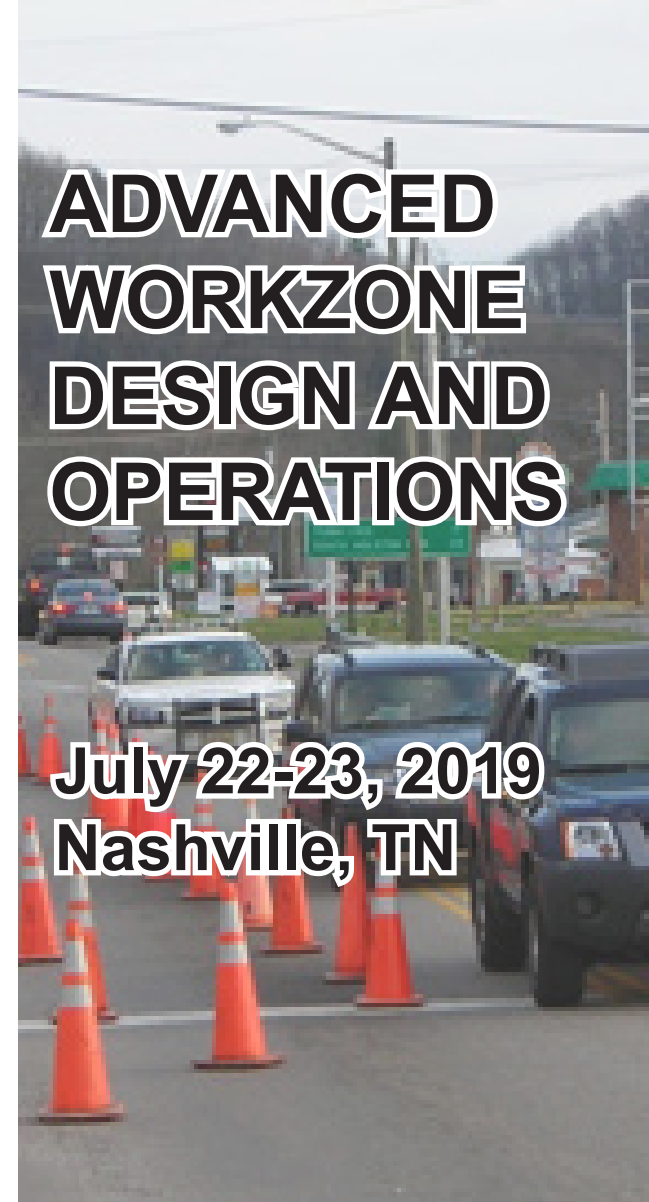
# ADVANCED WORKZONE DESIGN AND OPERATIONS

## July 22-23, 2019 Nashville, TN



CENTER FOR  
TRANSPORTATION RESEARCH

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



## WHAT THIS IS ABOUT

This course provides participants with information on the safest and most efficient work zone traffic controls, including the application of effective design and installation concepts; and using signs and markings for detours, construction zones, and maintenance sites. The legal, administrative, and operational aspects will also be discussed. Classroom presentations include lectures, case histories, and workshops.

Access to a copy of 2009 MUTCD or 2009 MUTCD Part 6 will be needed during the workshop.

## OBJECTIVES:

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

- Describe each step involved in providing work zone traffic controls
- Identify and apply workable concepts and techniques for designing, installing, and maintaining controls in construction, maintenance, and utility operations
- Identify appropriate principles in the design of traffic control plans
- Apply traffic control plans to site conditions, monitor traffic controls, and make changes indicated by traffic accidents and incidents
- Discuss techniques and procedures used by different agencies
- Assess the legal consequences of action and inaction relative to work zone traffic control and identify risk management procedures

## WHO SHOULD ATTEND?

This workshop is best suited for design, construction, and maintenance personnel responsible for designing, installing, and monitoring work zone traffic control.

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.

## PDHs AVAILABLE

12 Professional Development Hours can be granted for this course.

## WHEN-WHERE

**July 22-23, 2019 (Nashville, TN)**

Ellington Agricultural Center  
UT Extension Office  
5201 Marchant Drive  
Nashville, TN 37211-5122  
Tel: 615-832-6550 for directions

## INSTRUCTOR

### Frank Brewer

Frank Brewer joined the TTAP staff in 1999. Frank is a graduate of The University of Tennessee with a BS and MS in Human Resources – Industrial Training. His duties with TTAP also include a number of research projects at the University of Tennessee Center for Transportation Research with a focus on the areas of highway safety and traffic operations.

## 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.

# AGENDA

## Day 1

- 8:00 am Registration
- 8:15 am Course Introduction
- 8:30 am Chapter 2. Fundamental Principles, Chapter 3. TCD Standards
- 9:15 am Break
- 9:30 am Chapter 4. Human Factors, Chapter 5. Legal, Chapter 6. TCDs
- 11:30 am Lunch (On Your Own)
- 12:00 pm Chapter 8. Elements of TCP
- 1:00 pm Chapter 9. Design of WZTC
- 2:00 pm Workshop #1
- 3:00 pm Workshop #1 Presentations
- 4:00 pm Adjourn

## Day 2

- 8:30 am Chapter 11. Mobile Operations
- 9:00 am Chapter 12. Flagging
- 9:30 am Workshop #2
- 10:30 am Workshop #2 Presentations
- 11:30 am Lunch (On Your Own)
- 12:00 pm Chapter 14. Install & Remove
- 1:00 pm Break
- 1:15 pm Chapter 15. TCP Management
- 2:15 pm Discussion
- 2:45 pm Evaluations – Wrap Up – Adjourn
- 3:00 pm \*Written Exam

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