

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: ctr.utk.edu/ttap



RETURN AS SOON AS POSSIBLE

INTRODUCTION TO HIGHWAY CAPACITY ANALYSIS

(Copy and fill out one for each registrant)
(Please Print)

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

Please check appropriate box:
 Free (City/county employee) \$120 (Other)

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

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!

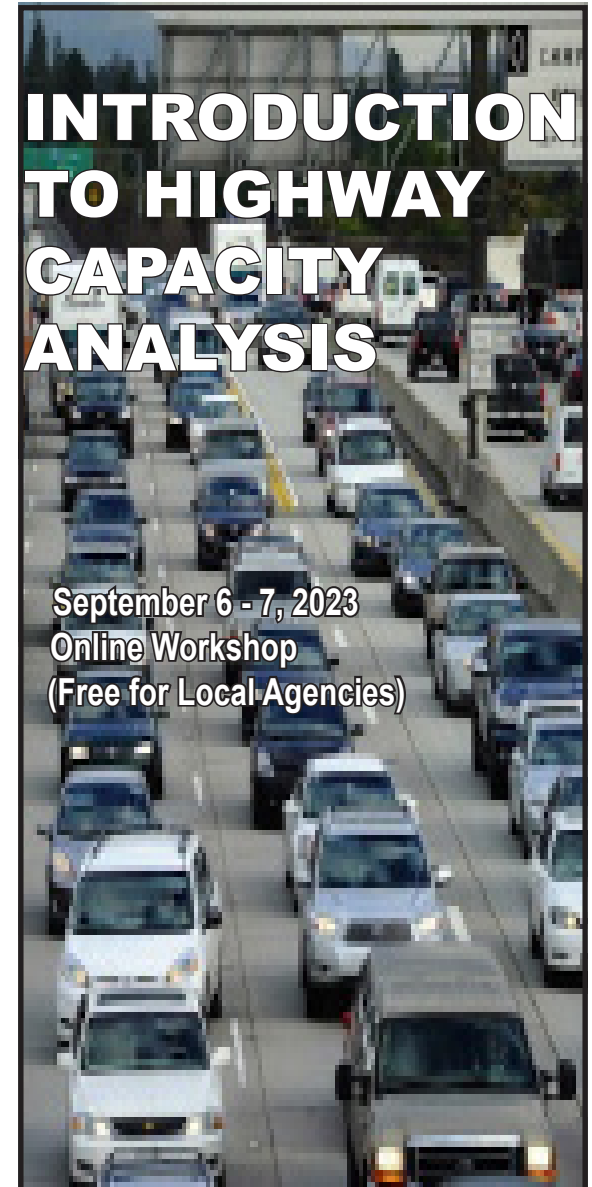
CANCELLATION POLICY

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.

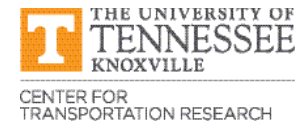
HOW TO REGISTER

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INTRODUCTION TO HIGHWAY CAPACITY ANALYSIS



September 6 - 7, 2023
Online Workshop
(Free for Local Agencies)



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

WHAT THIS IS ABOUT

This course will introduce participants to the basic concepts and principles of highway capacity analysis. The methodologies established by the most recent edition of the Transportation Research Board's Highway Capacity Manual, HCM2010, will be addressed, with an overview provided of the terms and concepts used throughout the HCM and the procedures for the capacity of: urban streets, two-lane highways, multilane highways, unsignalized intersections, signalized intersections, and freeway facilities. The course will also describe the use of microsimulation packages in capacity analysis, and will contrast these with the HCM approaches.

WHO SHOULD ATTEND?

This course will benefit both transportation planners and engineers who are responsible for the design or operation of streets and highways. The methodologies introduced in the course are vital to the evaluation of proposed roadway changes to ensure that adequate capacity is provided in both present and future years. This course may also be useful to non-technical staff or supervisors who wish to learn more about the highway capacity process.

WHEN & WHERE

September 6-7, 2023

9:30am - 12:30 pm Eastern

Online Workshop

Instructions will be emailed to you when you registered for the workshop.

INSTRUCTOR

Stephanie R. Hargrove, Ph.D., PE, PMP

Dr. Stephanie Hargrove is a Senior Project Manager with CDM Smith, in Knoxville TN, leading the planning and execution of high-profile traffic engineering and planning projects, focusing on corridor, transit, resiliency & recovery, traffic impact, oversight guidance, training material, technologies & tools, and safety. Dr. Hargrove also served as the Chief Traffic Engineer for Knox County, managing and directing the day-to-day operations, staff, and budget for Knox County's Transportation Department. She served as a Research Assistant Professor in the Department of Civil and Environmental Engineering and Lecturer in Engineering Fundamentals at the University of Tennessee. Dr. Hargrove received her Ph.D. in Civil Engineering (transportation emphasis) from the University of Tennessee. She is an active member in numerous technical organizations, including the Transportation Research Board and the Institute of Transportation Engineers.

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.

PDHs AVAILABLE

6 Professional Development Hours (PDHs) can be granted for this course.

AGENDA

September 6, 2023

9:30am-12:30;pm Eastern

- Introduction
- Review of traffic flow and capacity concepts
- HCM: capacity of uninterrupted flow facilities
- HCM: capacity of freeway weaving, ramps and ramp junctions

September 7, 2023

9:30 am - 12:30 pm Eastern

- HCM: intersection capacity analysis
- HCM: corridor analysis
- Use of microsimulation models in capacity analysis

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