

GEOMETRIC DESIGN FOR 2-LANE ROADS AND STREETS

(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 (Employee of city or county)
- \$120 (Other)

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



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: <http://ttap.utk.edu>

RETURN AS SOON AS POSSIBLE

REGISTRATION

This is a **free** workshop for all city/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. Please note your employment status on the registration form. 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

Register online or fax/mail to the address below:

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
Tel: 865-974-5255 Fax: 865-974-3889
Web: <http://ttap.utk.edu>



GEOMETRIC DESIGN FOR 2-LANE ROADS AND STREETS

February 7-8, 2023 Online Workshop (Free for Local Agencies)



CENTER FOR TRANSPORTATION RESEARCH



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

WHAT THIS IS ABOUT?

This course provides a basic overview of the design of two-lane roads. These facilities account for the vast majority of mileage in both urban and rural areas nationwide. The course presents basic design controls, covers basic geometric design principles, and addresses drainage, earthwork, and pavements.

OBJECTIVES

Upon completion of the course, the participants will

possess a basic knowledge of:

- design controls for 2-lane roads,
- location principles,
- horizontal and vertical alignment design,
- cross-section elements, and
- basic concepts for drainage, earthwork, and pavements.

WHO SHOULD ATTEND?

This course is for city and county public works employees, consulting personnel, and others involved in traffic engineering or the design of local and collector roadways.

WHEN & WHERE

February 7-8, 2023

(9:30 am-12:30 pm Eastern)

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

INSTRUCTOR

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.

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 Dr. Airton Kohls at 865-974-5255.

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

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

AGENDA

February 7, 2023

9:30 am-12:30 pm Eastern)

- Introduction and course objectives
- Elements of the roadway system
- Design controls
- Roadway cross-section
- Roadway location
- Horizontal alignment
- Horizontal alignment exercise

February 8, 2023

9:30 am-12:30 pm Eastern)

- Vertical alignment
- Vertical alignment exercise
- Earthwork
- Drainage
- Pavements

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