

ONLINE WORKSHOP GEOMETRIC DESIGN FOR 2-LANE ROADS AND STREETS

March 4-5, 2025

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



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

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.

March 4, 2025

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

March 5, 2025

9:30 am-12:30 pm Eastern)

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

INSTRUCTOR

Mr. Alan Childers, P.E., is a Senior Transportation Engineer with over forty-five years of experience in Traffic Engineering and Roadway Design. He has worked for both public and private agencies, and is currently employed on a part-time basis with the engineering firm of Cannon & Cannon, Inc. located in Knoxville, Tennessee, and also with the Knox County Department of Engineering and Public Works. He holds B.S. and M.S. degrees in Civil Engineering from the University of Tennessee. 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.

REGISTRATION

This is a **free** workshop for all cities and counties in all states. Pre-registration is required.

Registration fees for all other attendees (including TN DOT and other state DOT employees) is \$120. Please click here to register.

PDHs AVAILABLE

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

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.

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.