

REGISTRATION

The registration fee is \$120 per person. A Tennessee city or county government employee is eligible for a TTAP scholarship registration fee of \$45. TDOT employees must register through their local TDOT Training Office at least 10 working days in advance. Please note your employment status on the registration form. Please let us know of any special dietary needs. 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

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

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.

UTK is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA Employer. PAN: E01-2510-001-002-08

MAIL/FAX REGISTRATION TO:
 Tennessee Transportation Assistance Program (TTAP)
 Center for Transportation Research
 Attn: Wilma Wilson
 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

ROADWAY DESIGN PRINCIPLES

(Copy and fill out one for each registrant)

(Please print)

NAME: _____

TITLE: _____

ORGANIZATION: _____

STREET ADDRESS: _____

CITY: _____ STATE: _____

PHONE: _____ FAX: _____ EMAIL: _____

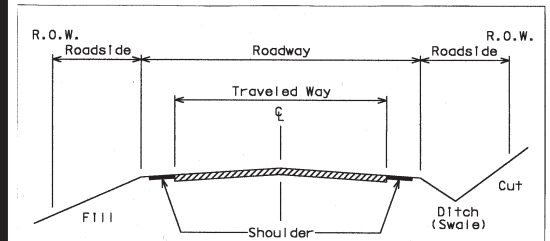
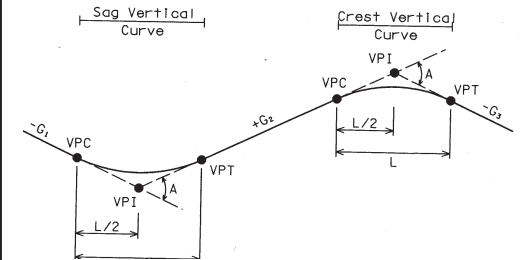
Expires: _____

Please check appropriate box:
 \$45 (Employee of Tennessee City or County) \$120 (Others)
 Payment by:
 Check (payable to The University of Tennessee)
 Cardholder's Name/Signature
 Card No: _____

ROADWAY DESIGN PRINCIPLES



May 12, 2008 (Chattanooga)



SPONSORED BY:
 The University of Tennessee
 Center for Transportation Research



Tennessee Department of Transportation



WHAT THIS IS ABOUT

This workshop will provide an overview of the fundamental concepts and principles involved in the design of roadway facilities. Major design standards and criteria will be discussed, as well as typical design processes. The primary focus of the class will be a detailed overview of the major design controls and fundamental design elements that govern the design of roadway facilities. Related discussion items will include roadside design and safety, pedestrian and bicycle provisions, and design philosophy and concepts. Interwoven into many of the discussion topics will be some new and emerging concepts that are affecting how roadways are being designed in the twenty-first century. Such concepts include items related to stormwater and environmental regulations, ADA and accessibility needs, and context sensitive design considerations. Although the major thrust of the class involves fundamental concepts and principles applicable to all roadway facilities, the needs of urban and rural facilities will be compared and contrasted. The primary reference document for this class will be the 2004 edition of "Geometric Design of Highways and Streets," published by the American Association of State Highway and Transportation Officials. Possession of this document is not a class requirement.

WHO SHOULD ATTEND?

This course is for technicians, local and state government employees, consultants and engineers involved in the design of roadway facilities. The material is particularly well suited as an introduction to roadway design for personnel that are new to the field or need a refresher. It would also be beneficial to those who are interested in familiarization with new and emerging concepts.

WHEN & WHERE

May 12, 2008 (Chattanooga)

TDOT Region 2

(Auditorium)

4005 Cromwell Road (I-75, Exit 4)

Chattanooga, TN 37241

Tel: 423-510-1143 for directions

INSTRUCTOR

Alan L. Childers, P.E.

Mr. Childers is a Vice President and Manager of Transportation and Public Works 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 twenty-eight 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. He is also the author of the Roadside Design chapter for the soon to be released "Urban Streets and Roads Geometric Design Handbook", published by the Institute of Transportation Engineers.

TENNESSEE ACADEMY FOR TRANSPORTATION ENGINEERING (TATE)

This course is one of the six new courses that form the core requirement the Tennessee Academy for Transportation Engineering (TATE) certificate. TATE is a continuing education program for engineers, planners, designers and technicians. It 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.

CEUs/PDHs AVAILABLE

The course counts for 0.6 Continuing Education Units (CEUs)/6 Professional Development Hours (PDHs). The University of Tennessee requires a \$10 administrative fee to register CEUs. Registration of CEUs is optional.

AGENDA

- | | |
|---------|--|
| 8:00am | Registration |
| 8:30am | Introduction and Class Overview |
| 8:45am | Roadway Design Process, Criteria and Standards |
| 9:00am | Roadway Design Controls - Functional Classification |
| 9:15am | Other Roadway Design Controls |
| 10:00am | Break |
| 10:15am | Fundamental Elements of Roadway Design - Part I:
Horizontal and Vertical Alignments |
| 11:45am | Lunch (Provided) |
| 12:45am | Fundamental Elements of Roadway Design - Part II:
Cross Section Elements and Sight Distance |
| 2:15pm | Break |
| 2:30pm | Roadside Design and Safety |
| 3:00pm | Pedestrian and Bicycle Provisions |
| 3:30pm | Design Philosophy and Concepts |
| 4:00pm | Adjourn |
| 4:05pm | Written Exam* |

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