

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



REDUCING RURAL ROADWAY DEPARTURES

(Copy and fill out one for each registrant)

(Please print)

NAME: _____
 TITLE: _____
 ORGANIZATION: _____
 STREET ADDRESS: _____
 CITY: _____ STATE/ZIP: _____ EMAIL: _____
 PHONE: _____ FAX: _____
 Free (Employee of City or County)

Please check appropriate boxes:
 \$120 (Others)

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

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 at least 10 working days in advance. Please note your employment status on the registration form. 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 has 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)
 Attn: Diana Webb
 Center for Transportation Research
 The University of Tennessee
 Suite 309, Conference Center Bldg.
 Knoxville, TN 37996-4133
 Tel: 865-974-5255 Fax: 865-974-3889
 Web: ttap.utk.edu

REDUCING RURAL ROADWAY DEPARTURES

**JULY 16-17, 2024
 ONLINE WORKSHOP**



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

WHAT THIS IS ABOUT

When a vehicle leaves the travel lane or the roadway, the results can be deadly. More than half of the annual fatal crashes in the U.S. relate to roadway departures. Roadway departure crashes are the leading cause of traffic deaths in many states. This workshop provides participants with some tools for addressing roadway departure crashes. Topics covered include a discussion of engineering countermeasures as well as implementation strategies.

One, often low-cost, strategy to address this issue is to reduce the potential for leaving the roadway, i.e., techniques to help keep vehicles on the roadway. Use of signing, delineation and rumble strips/stripes to reduce roadway departures is described with specific reference to relevant sections of the Manual on Uniform Traffic Control Devices. The significance of roadway geometry and pavement friction in helping to keep vehicles on the roadway is also discussed. For those vehicles leaving the traveled way, it is important to try to improve the chances for a safe recovery. Techniques for improving shoulders and slopes and ditches are reviewed. Removing or relocating objects such as trees and utility poles in the clear zone are also addressed. The workshop concludes with discussion of how to minimize the severity of roadway departure crashes that do occur. Relevant techniques include breakaway supports, making roadside features traversable and shielding obstacles. Enhancing mailbox safety is also discussed.

WHO SHOULD ATTEND?

This workshop should be of interest to state, county and municipal transportation, traffic and safety engineers, technicians, street supervisors, maintenance personnel and planners involved in roadway safety. Designers (engineers and landscape architects) should also find the workshop of interest.

WHEN-WHERE

July 16-17, 2024

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

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

PDHs AVAILABLE

6 Professional Development Hours (PDHs) can be granted for this course. No partial credit available. Attendees must attend at least 90% of the workshop to get 6 PDHs.

INSTRUCTOR: RONALD W. ECK, P.E.

Ron Eck is a Professor Emeritus of Civil Engineering at West Virginia University and is the Director of the West Virginia Local Technical Assistance Program (WV LTAP). He has been involved in traffic engineering and roadway safety for over 45 years. He authored the Federal Highway Administration guide for local highway and street maintenance personnel entitled "Vegetation Control for Safety." He regularly teaches roadway safety-related classes for public works personnel throughout the United States.

AGENDA

July 16-17, 2024

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

Introduction to Roadway Departure
-- Background
-- Nature and Magnitude of Problem

Getting to Safety: Implementation Strategies

Keeping Vehicles on the Roadway
-- Signing/Delineation
-- Rumble Strips/Rumble Stripes

Keeping Vehicles on the Roadway
-- Pavements
-- Geometrics

Improving the Recovery Area
-- Shoulders
-- Removing/Relocating Objects
Clear Zone
Trees
Utility Poles

Minimizing the Severity of Crashes
-- Using Breakaway Supports
-- Shielding Obstacles
-- Dealing with Mailboxes