



### **Agenda**

8:00 - 8:30 am Registration

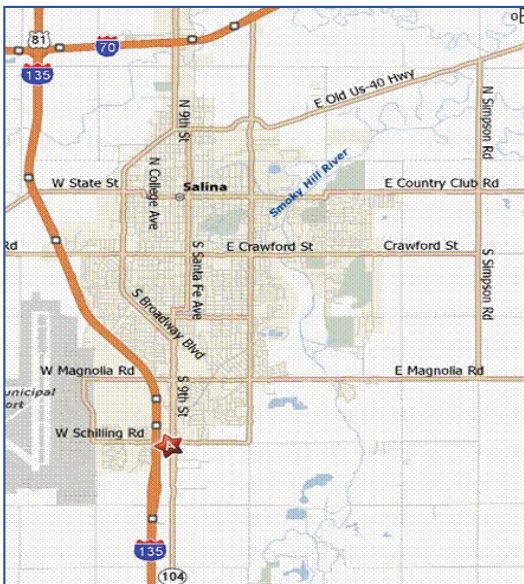
8:30 am Class Begins

12:00 pm Lunch (provided)

4:30 pm Class Ends

### **Location**

Courtyard by Marriott  
3020 Riffel Drive



KS LTAP  
University of Kansas  
Transportation Center  
1530 West 15th Street, #2160  
Lawrence, Kansas 66045



Kansas LTAP  
Fall 2009

# Safety Effects of Geometric Design Features for Two-Lane Rural Highways

A program of the KU Transportation Center • [www.ksltap.org](http://www.ksltap.org)

## *National Highway Institute Course*

A Kansas Road Scholar Level III  
Executive Development Program  
*Elective Course*

**December 9, 2009**  
**Salina**

*Registration is Required*

*This training is presented through the Local Technical Assistance Program (LTAP) and the K.U. Transportation Center. Funding provided by the Kansas Department of Transportation, the Federal Highway Administration and the University of Kansas.*



**About the Workshop:** This one-day course provides a proven methodology for the safety performance of geometric design decisions in a like manner to that of predicting capacity and level of service based upon large scale definitive research. The crash prediction models for total crashes and cross-section related crashes based upon lane width, shoulder width, roadside hazard, traffic volume (exposure) and other characteristics are presented. Examples of safety performance prediction are presented for high-way segments and intersections.

Discussion of research and the interactive effects of lane and shoulder widths, hazard rating, and access density (driveways) on safety performance are presented. Each student receives a copy of the "Safety Effects of Highway Design Features for Two-Lane Rural Highways" manual.

**Outcomes:**

- Upon completion of the course, participants will be able to:
- Recognize the safety effects of geometric design features
  - Predict the safety performance of geometric design features
  - Compare alternative designs based upon an assessment of the safety effects of geometric design features

**IMPORTANT: Participants should bring a scientific notation calculator as the course involves calculating decimal value to decimal power for crash prediction values.**

**Who Should Attend:** State and local highway engineers and consultants involved in the design of two-lane rural highways.

**Date and Location:** This course will be held at the following location: Once you have registered, you will be sent a confirmation prior to the date of the workshop.

December 9 in Salina  
Courtyard by Marriott  
3020 Riffel Drive

**Registration:** The registration fee is \$225 for the government rate and \$300 non-government, and includes lunch, breaks, and workshop materials. To register, complete the registration form, attach the required fee (payable to the University of Kansas), and mail to the KU Transportation Center. DO NOT DELAY submitting your registration form. You may **mail in** your registration, **fax** your registration to 785-864-3199, attention: Kristin, or **register online** at <http://www.ksltap.org> - go to the training calendar, click on the workshop you wish to attend.

**Overnight Accommodations:** Hotel reservations must be made by the participant. If you have any accommodation questions call the Transportation Center at 1-800-248-0350 or 785-864-2594.

**Assistance for Participants with Disabilities/Special Dietary Requirements:** The KU Transportation Center is committed to accommodating persons with disabilities and those with special dietary needs. Please call our office or mark the registration form.

**Refund Policy:** The registration fee is refundable if notice of cancellation is received 48 hours prior to the start of the program. Registrations who are unable to attend and DO NOT cancel in advance are subject to the registration fee. Substitutions may be made at any time. Please notify us of any changes.



**Safety Effects of Geometric Design Features  
for Two-Lane Rural Highways  
Registration Form**

Name \_\_\_\_\_  
 Title \_\_\_\_\_  
 Agency \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zip \_\_\_\_\_  
 Phone \_\_\_\_\_ Fax \_\_\_\_\_  
 Email: \_\_\_\_\_

**I will be attending the Safety Effects of Geometric Design Features for Two-Lane Rural Highways workshop:**

December 9, 2009 in Salina, Kansas

- Government Rate (\$225)       Non-government rate (\$300)
- Please call me regarding accommodation for persons with disabilities or special dietary needs

**Registration Fee \$225 (Government); \$300 (Non-Government)**  
 Please make check payable to the University of Kansas.  
 Enclosed       To Follow       Bill My Agency

**Mail to:**  
 Kristin Kelly  
 KU Transportation Center  
 1530 West 15th Street, #2160 Learned  
 Lawrence, KS 66045  
**Or fax to:** 785-864-3199, attn: Kristin;  
**or register on the web** at <http://www.ksltap.org>

**Registration Deadline: December 1, 2009**

