



A Local Technical Assistance Program - LTAP

ALABAMA TECHNOLOGY TRANSFER CENTER

AT AUBURN UNIVERSITY

Presents a Seminar on

Guidelines for Reducing Wrong-Way Crashes

Mobile

December 11, 2018

Montgomery

December 12, 2018

Huntsville

January 9, 2019

Pelham

January 10, 2019

This course will present current guidance for implementing traditional and emerging countermeasures to reduce wrong-way driving (WWD) crashes on freeways and divided highways in the state of Alabama. Each year, hundreds of fatal WWD crashes occur across the United States, and thousands of injuries are reported in crashes caused by wrong-way (WW) drivers. After collecting eight years of crash data (2004-2011) from the Fatality Analysis Reporting System (FARS) database, an average of 269 fatal crashes resulting in 359 fatalities was found to occur each year due to WWD. A statewide study of Alabama crash data from 2009 until 2013 revealed that 93 WWD crashes occurred on freeways, which accounted for 0.16% of all freeway crashes and 3.3% of all freeway fatal crashes. This is not a large percentage by any metric, but WWD crashes are consistently more severe when they do occur.

This course will focus on material from the Guidelines for Reducing WWD Crashes on freeways and the results from three research projects funded by the Alabama Department of Transportation (ALDOT), including (1) A Study of WWD Crashes in Alabama; (2) Development of Predictive Models for WWD Incidents; (3) Development of WWD Training Material for ALDOT. The course will introduce the key contributing factors to WWD crashes in Alabama and a newly developed network screen tool to identify high-risk interchange terminals for WWD incidents. Participants will also learn how to diagnose the hotspots through a standard field inspection procedure and how to select suitable low-cost or advanced engineering countermeasures to mitigate WWD activities through case studies.

This course should be of interest to any traffic and safety engineers, highway designers, maintenance and operations professionals whose work includes improving roadway safety and designing and maintaining roadway environments. The workshop should be helpful to DOT, city, and county staff members, as well as, to consultants.

Please complete and return the enclosed registration form. A fee of \$175.00 per person should be mailed with your registration. Payment may be made by phone or fax if paying with a credit card or government agency purchase order. Registrants are reminded that registration is not complete until payment is made. The registration fee includes handout materials, break refreshments, lunch, and a certificate of participation. Thank you for your continued support of the Alabama Transportation Assistance Program.

Seminar Instructors

H. Hugo Zhou, PhD

Dr. H. Hugo Zhou is a Professor in the Department of Civil Engineering at Auburn University and a national expert in the study of WWD crashes. As a principal investigator, he has conducted eight research projects related to WWD for a total of over \$1 million in funding sponsored by the Illinois DOT (IDOT), ALDOT, American Traffic Safety Services Association (ATSSA), and Region 5 University Transportation Center over the last ten years. In May 2014, through IDOT, he published Guidelines for Reducing Wrong-Way Driving on Freeways. This guidebook has gained broad acceptance and been used by many state DOTs. Based on the guidelines, he developed training materials for ALDOT and IDOT. Dr. Zhou received the High Impact Project Award from the Illinois Center for Transportation in 2014 as the Principal Investigator on the WWD project. He also took a leadership role to organize the first national WWD summit and published the conference proceedings in 2013. His research results on WWD have been published in numerous peer-reviewed journal papers, conference papers, technical reports and booklet. He is a fellow of ITE and a member of TRB's Access Management and Traffic Control Devices Committees.

Seminar Topics

- Introduction of WWD Crash Trends and Contributing Factors
- Network Screening Tools for Identifying Hotspots
- Traditional and Innovative Traffic Control Devices for Reducing WWD
- Geometric Design Elements for Reducing WWD
- Advanced ITS Technologies for Preventing WWD Crashes
- Field Inspection Checklist and Case Studies

Seminar Schedule

8:00 a.m.	Registration & Check-In (Coffee)
8:30 a.m.	Call to Order, Welcome, Seminar Objectives
10:15 a.m.	BREAK
12:00 Noon	LUNCH
1:00 p.m.	Seminar Instruction Continues
2:15 p.m.	BREAK
4:00 p.m.	Seminar Evaluations, Certificates, Adjournment

Locations

Mobile, December 11, 2018

Hampton Inn & Suites Providence Park
525 Providence Park Drive
Mobile, AL 36695
251-776-5866

Montgomery, December 12, 2018

Hilton Garden Inn Montgomery - East Chase
7665 East Chase Parkway
Montgomery, AL 36117
334-244-0101

Huntsville, January 9, 2019

Holiday Inn - Research Park
5903 University Drive
Huntsville, AL 35816
800-845-7275

Pelham, January 10, 2019

Pelham Civic Center
500 Amphitheater Road
Birmingham, AL 35124
205-620-6488

Continuing Education Units

Participants completing this seminar will receive 0.60 Continuing Education Units (CEUs). The CEU is a nationally accepted measure of continuing education credit and is awarded at the rate of one CEU for each ten contact hours of qualifying instruction. Auburn University makes every effort to ensure that the CEU granting programs conform to the requirements of the State of Alabama Board of Licensure for Professional Engineers and Land Surveyors for the award of Professional Development hours to support the annual renewal of professional licensure.

Sponsorship

This seminar is one of the series of conferences and workshops being conducted as part of the Alabama Transportation Assistance Program at Auburn University. This program is a part of the Local Technical Assistance Program (LTAP) supported by the Federal Highway Administration, the Alabama Department of Transportation, and Auburn University.

This seminar is the 363rd offered, with more than 45,000 attendees, since the program's inception in 1983. The Alabama Transportation Assistance Program is administered at Auburn University through the Department of Civil Engineering. For further information and suggestions for future programs, contact Rod Turochy, Department of Civil Engineering, at 334-844-6271 or rodturochy@auburn.edu.

Accommodation of Participants with Disabilities

It is the policy of Auburn University to provide accessibility to its programs and reasonable accommodation for persons defined as having disabilities under the Americans with Disabilities Act of 1990. Please contact us at least two weeks prior to the event so that proper consideration can be given to any special needs.

Cancellation Policy

We understand that circumstances may arise that could require you to cancel your registration, and we make every effort to accommodate your needs. Due to commitments to our instructors and facilities, the registration fee is not refundable if a registrant withdraws less than five working days before the seminar. You may substitute registrants; please notify us in advance if possible. Non-paid, no show registrants will be invoiced for the full cost of the seminar. The Alabama Transportation Assistance Program reserves the right to cancel or modify any program offering, but will provide registrants the option of a full refund. Auburn University will not be responsible for expenses incurred by a registrant as the result of a cancelled or rescheduled program.

Registration

Your pre-paid registration guarantees you a seat in the seminar as well as information on any changes to the seminar. Registration on the day of the seminar will be accepted on a space available basis, but enrollment will close when the capacity of the seminar is reached. **Participants are reminded that registration is not complete until payment is received.**

ONLINE REGISTRATION AT: www.engce.auburn.edu

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Mobile, December 11, 2018 Montgomery, December 12, 2018 Huntsville, January 9, 2019 Pelham, January 10, 2019

Name _____

Employer _____ Position _____

DOT Division/Bureau _____ Address _____

City _____ State _____ Zip+4 _____

Phone _____ Fax _____ E-mail _____

Fee: \$175.00

Payment by: Check (Payable to Auburn University)

Visa MasterCard American Express Discover P O # _____

Credit Card # _____

Security Code* _____ Expiration Date _____

(*VISA/MC/DISC - three digit code on back; AMEX - four digit code on front)

Cardholder's Name _____

Signature _____

Are you an Auburn Alumnus? Yes No

Return Registration Form and Payment to:

Alabama Transportation Assistance Program
202 Ramsay Hall
Auburn, AL 36849-5375
Phone 1-800-446-0382 or 334-844-4370
Fax 334-844-5715
www.engce.auburn.edu

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Montgomery, AL

Auburn University
Alabama Transportation Assistance Program
Samuel Ginn College of Engineering
202 Ramsay Hall
1161 W. Samford Ave., Building 8
Auburn, AL 36830-9989

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