



A Local Technical Assistance Program - LTAP

ALABAMA TECHNOLOGY TRANSFER CENTER

AT AUBURN UNIVERSITY

Presents a Seminar on

Alternative Intersection and Interchange Design and Operation

Mobile
May 16, 2017

Montgomery
May 17, 2017

Huntsville
May 31, 2017

Pelham
June 1, 2017

Many arterials and interchanges are terribly congested and conventional measures offer little prospect for relief. Alternative designs offer some potential for relatively inexpensive improvements to those congested arterials and interchanges. These are designs that have been used in some state or have been researched but have not been placed into widespread use. Examples include the superstreets being installed in North Carolina, the median U-turns that Michigan has used for many years and the diverging diamond interchanges that have recently opened in over 15 states. In the right place with the details designed well, an alternative design can deliver safety, efficiency, environmental, and cost benefits to motorists and transportation agencies.

The purpose of this workshop will be to discuss the best of the alternative intersection and interchange options in some depth. We will explore the history, planning, design, and operation of the major designs. By the end of the workshop participants should understand which design has a realistic chance to help in a particular spot.

The workshop should be of interest to any planners, designers, and operations professionals who work on intersections and interchanges. No prior knowledge of intersection or interchange design or operations is needed. Only basic math skills are needed to follow the examples used in the workshop. 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 \$150.00 per person should be mailed with your registration. Payment may be made by phone or fax if paying with 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 Technology Transfer Center. Rod Turochy, Larry Sellers, and Garry Havron look forward to your attendance at this seminar.

Seminar Topics and Schedule

- Introduction
- Why alternative designs?
- Median U-turn
- Superstreet
- Continuous flow
- Quadrant
- Grade-separated intersections
- Diverging diamond
- Other new designs

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 - May 16, 2017

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

Huntsville - May 31, 2017

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

Montgomery - May 17, 2017

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

Pelham - June 1, 2017

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

Seminar Instructor

Joseph E. Hummer, PhD, PE, is the Staff Engineer in the Mobility and Safety Division of the North Carolina Department of Transportation (NCDOT). Joe is one of the foremost authorities on alternative intersection and interchange designs practicing today. He began researching the designs in 1990, has published numerous articles about them, and has invented several new intersection and interchange designs. His two-part series in the ITE Journal in 1998 helped spark interest in the area. More recently, he was a co-author of the FHWA informational report on six of the most promising designs. He was the Principal Investigator of the FHWA research project investigating the effects of diverging diamond interchanges and he was the primary author of the FHWA guidebook on superstreets. Joe was a Professor at North Carolina State University and was Chair of the Department of Civil and Environmental Engineering at Wayne State University before joining NCDOT in May 2016.

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 Technology Transfer Center 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 344th offered, with more than 40,000 attendees, since the program's inception in 1983. In addition to conducting training seminars, the T2 Center also publishes a quarterly newsletter, distributes publications and maintains a lending library of videotapes on technical subjects. The Alabama Technology Transfer Center is administered at Auburn University through the Engineering Continuing Education office and 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. Engineering Continuing Education 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, May 16, 2017 Montgomery, May 17, 2017 Huntsville, May 31, 2017 Pelham, June 1, 2017

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DOT Division/Bureau _____ Address _____

City _____ State _____ Zip+4 _____

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Fee: \$150.00

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