



Alabama Transportation Assistance Program presents a workshop on

# Alternative Intersections

Instructed by: Joseph Hummer

**February 23**

**Mobile**

**February 24**

**Montgomery**

**February 25**

**Birmingham**

**February 26**

**Huntsville**

Many arterials and interchanges are terribly congested and prone to crashes, 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 RCUTs, median U-turns, continuous flow intersections, and diverging diamond interchanges. 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, attendees should understand which design has a realistic chance to help in a particular spot. The workshops should be of interest to any planners, designers, and operations professionals who work on intersections and interchanges. Only basic math skills are needed to follow the examples used in the workshops. No prior knowledge of intersection or interchange design or operations is needed to attend the workshop.

This six-hour workshop has a maximum of 30 participants in each workshop. The cost of the workshop is \$175.00. Please register at <https://aub.ie/02-2026-alt-intersections>. The registration fee includes handout materials, break refreshments, lunch, and a certificate of participation. Participants completing this workshop will receive 0.60 Continuing Education Units (CEUs), 6.0 Professional Development Hours (PDHs). Certificates of participation will be issued on the day of the event. Thank you for your continued support of the Alabama Transportation Assistance Program.

## **Webinar Instructor**

Joseph Hummer

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The workshop instructor, Joseph E. Hummer, PhD, PE, is the State Traffic Management Engineer in the Mobility and Safety Division of the North Carolina DOT. Joe began researching alternative 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, he was the primary author of the FHWA guidebook on RCUTs, and he was co-author of the FHWA guidebook on quadrant intersections. 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. Since joining NCDOT he has contributed to many TIP projects.

## **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 workshop. 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 workshop. ATAP reserves the right to cancel or modify any program offering but will provide registrants with 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 workshop.

## **Location**

**Mobile, February 23**  
ALDOT Regional Office  
1701 W I-65 Service Road  
Mobile, AL 36608  
Large Training Room

**Birmingham, February 25**  
Doubletree Perimeter Park  
8 Perimeter Park S.  
Birmingham, AL 35243

**Montgomery, February 24**  
Homewood Suites, East Chase  
7800 East Chase Parkway  
Montgomery, AL 36117

**Huntsville, February 26**  
Hyatt Place Huntsville / Research Park  
6860 Governors West NW  
Huntsville, AL 35806

## **Workshop Times**

8:30 am – 9:00 am  
9:00 am – 12:00 pm  
12:00 pm – 1:00 pm  
1:00 pm – 4:15 pm

Registration Opens  
Workshop  
Lunch  
Workshop