About the Conference

Auburn’s Civil Engineering Department and the Program Committee have designed the Forty-Eighth Annual Transportation Conference for federal and state highway personnel, road building contractors, general contractors, heavy construction contractors, utility contractors, county engineers, consulting engineers, construction material vendors, researchers, professional society representatives, and university faculty members. It provides an opportunity for these individuals to share innovative advances in transportation planning, engineering design, and construction.

The conference presents technical presentations to provide a forum for the exchange of ideas within the highway engineering and construction professions. The sponsorship of the annual conference is indicative of the broad cross-section of interest in the programs of this two-day continuing education event.

Location and Schedule

The conference will be held at the Auburn University Hotel and Conference Center, located at 241 South College Street, Auburn, Alabama.

Final registration and check-in will be held from 7:00 a.m. to 8:30 a.m. in the Main Lobby on Wednesday, February 9, 2005. The Opening General Session begins at 8:30 a.m. in the Main Auditorium. The conference will adjourn Thursday afternoon, February 10, 2005.

Registration and Fee

All persons attending the conference must register. The registration fee of $115 includes all sessions, program materials, refreshment breaks, and luncheons. Additional luncheon tickets are available at the registration desk. Student and ALDOT RETIREE registration will be $25.

To register, please complete the attached registration form and return it to the address indicated, or call us at (800) 446-0382, (334) 844-4370, or FAX (334) 844-5715.

Accommodations

Participants are responsible for making their own lodging arrangements. Area accommodations are listed elsewhere in this brochure.
Cancellation Policy

Due to commitments to our speakers and facilities, the registration fee is not refundable if a registrant withdraws less than five business days before the program. Substitutions may be made at any time; please notify us in advance if possible. No-shows will be liable for the entire course fee.

Auburn University reserves the right to cancel any program due to insufficient registrations. This decision is usually made no later than five business days prior to the event. If a program is canceled for any reason, all fees will be refunded. Auburn University will not be responsible for travel expenses incurred by a registrant as the result of a canceled program.

Continuing Education

Participants in this conference will be able to attend up to eight and one half (8 1/2) hours of technical programs. Auburn University makes every effort to ensure that its technical 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 registration.

Participants with Disabilities

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

Area accommodations include:

- Auburn University Hotel & Dixon Conf. Ctr.
  241 South College St.—334.821.8200
- Holiday Inn Express
  2013 South College St.—334.502.1090
- Hilton Garden Inn
  Hilton Garden Dr.—334.502.3500

Program Committee

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<th>Organization</th>
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<td>Alabama Department of Transportation (ALDOT)</td>
<td>Don Arkle</td>
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<td>Joe McInnes</td>
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<td>Fred Conway</td>
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<td>Auburn University</td>
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Federal Highway Administration

Joe Wilkerson and Robert King, Montgomery, Alabama

Alabama Road Builders Association
Billy Norrell, Montgomery, Alabama

Alabama Asphalt Pavement Association
Mel Monk, Montgomery, Alabama

American Concrete Industries Association
John Sorrell, Montgomery, Alabama

Association of County Engineers of Alabama
Dennis McCall, Greenville, Alabama

Institute of Transportation Engineers,
Alabama Section
Walter Dorsey, Opelika, Alabama

American Concrete Pavement Association,
Southeast Chapter
Robert Taylor, Montgomery, Alabama

American Council of Engineering Companies of Alabama
Renee Casillas, Montgomery, Alabama

Bridge Construction Association of Alabama
Fred Crawford, Montgomery, Alabama

Alabama Section, ASCE
Joseph E. Meads, Birmingham, Alabama

2005 Conference Outline

Wednesday, February 9, 2005

7:00 am Registration—Main Lobby
8:30 am Opening General Session—Main Auditorium
Presiding: Dr. Frazier Parker, Department of Civil Engineering, Auburn University
Opening Remarks
Mr. Joe McInnes, Director, Alabama Department of Transportation
Highway Legislation and Funding
Mr. Frederick (Bud) Wright, Executive Director FHWA, Washington D.C.
Colonial Surveyor Andrew Ellicott’s Training of Meriwether Lewis
Mr. Milton Denny as Andrew Ellicott, 3001, Inc., Tuscaloosa, AL
Break
10:00 am Hurricane Ivan
Meeting Room: Main Auditorium
Presiding: George T. Ray, ALDOT, Montgomery, AL
Local Perspective: Infrastructure Damage
Chuck Hamilton, Department of Public Works, Gulf Shores, AL
State Perspective: Regional Impact and Reversible Flow
Nick Ambenger, ALDOT, Ninth Division, Mobile, AL
George Conner, ALDOT, Central Office, Montgomery, AL
Lessons Learned: How to Live Along the Gulf Coast
Scott L. Douglass, Coastal Transportation Engineering Research and Education Center University of South Alabama, Mobile, AL
Dean’s Luncheon—Ballroom A
Presiding: Dr. Larry Benefield, Dean
Samuel Ginn College of Engineering Auburn University
Break
1:30 pm Concurrent Technical Sessions
3:00 pm Break
3:30 pm Concurrent Technical Sessions
5:00 pm Adjourn

Thursday, February 10, 2005

8:30 am Concurrent Technical Sessions
10:00 am Break
10:30 am Civil Engineering Department Head’s Luncheon—Ballroom A
Presiding: Dr. J Michael Stallings, Head
Department of Civil Engineering Auburn University
12:00 noon Highway Legislation and Funding
1:30 pm Adjourn
Technical Sessions—Wednesday, February 9, 2005

1:30 to 3:00 p.m.

Asphalt Pavements
Meeting Room: Main Auditorium
Presiding: Mel Monk, Alabama Asphalt Pavement Association, Montgomery, AL

1:30 p.m. Automated Plant Sampling and Testing
Randy West, National Center for Asphalt Technology, Auburn, AL

2:00 p.m. Test Track Pavement Structure Study
Dave Timm, Auburn University Civil Engineering Department, Auburn, AL

2:30 p.m. Quiet Pavements
Doug Hanson, National Center for Asphalt Technology, Auburn, AL

Emerging Issues and Technologies in Transportation
Meeting Room: Ballroom B
Presiding: Joe Meads, President, ASCE Alabama Section, Birmingham, AL

1:30 p.m. Continuously Operating Reference Stations
Keith Maxwell, Maxwell Engineering & Land Surveying, Inc. Auburn, AL

2:00 p.m. Transportation Planning in a Rapidly Growing Community
Jeff Ramsey, City of Auburn, Auburn, AL

2:30 p.m. Context Sensitive Solutions
Becky White, Sain Associates, Inc., Birmingham, AL

3:30 to 5:00 p.m.

Bridges
Meeting Room: Main Auditorium
Presiding: William F. Conway, Bridge Engineer, ALDOT, Montgomery, AL

3:30 p.m. LRFD, The USA’s Innovative Bridge Design Specifications
Firas Sheikh Ibrahim, Office of Bridge Technology, FHWA, Washington D. C.

4:00 p.m. Update on Construction of the Tennessee River Bridge Crossing at Ditto Landing
Kelly L. Whitfield, ALDOT, Guntersville, AL

4:30 p.m. Reconstruction of the Escambia Bay Bridge
J. R. Sute, Volkert Construction Services, Inc., Mobile, AL

Environmental Issues
Meeting Room: Ballroom B
Presiding: Don T. Arkle, Chief, Design Bureau, ALDOT, Montgomery, AL

3:30 p.m. Setting Up Wetlands Mitigation Banks
Chuck Sumner and Mike Moxey, US Army Corps of Engineers, Mobile, AL

4:00 p.m. The Gopher Tortoise Preserve in Mobile County
John Shill, ALDOT, Montgomery, AL

4:30 p.m. EcoPark in Montgomery County
Katherine Ennis, Central Alabama Regional Planning & Development Commission, Montgomery, Al Inc., Mobile, AL

Technical Sessions—Thursday, Feb 9, 2005

8:30 to 10:00 a.m.

Construction
Meeting Room: Main Auditorium
Presiding: Terry McDuffie, Construction Engineer, ALDOT, Montgomery, AL

8:30 a.m. I-59/20/65 Interchange Bridge Construction
Mike Mahaffey, ALDOT, Birmingham, AL

9:00 a.m. Slide Correction, US 231 in Oneonta
Kevin Laird and Gary Rhodes, MACTEC, Birmingham, AL

9:30 a.m. Corridor X Alternate Pavement Type Bids
Scott George, ALDOT, Montgomery, AL

Transportation Operations
Meeting Room: Ballroom B
Presiding: Dennis McCall, President, Association of County Engineers of Alabama, Greenville, AL

8:30 a.m. Study of Ross Clark Circle
Darrell Skipper and Julie LeNoir, Skipper Consulting, Inc., Birmingham, AL

9:00 a.m. The Mobile Alabama ITS Experience-Marriage of Old and New
Wayne Curry, ALDOT, Mobile, AL

9:30 a.m. Strategic Plan for Intelligent Transportation in Huntsville
Dan Sanders, Huntsville Traffic Engineering & Operations, Huntsville, AL
Marshall Elizer, Gresham-Smith & Partners, Huntsville, AL
**CAREER NIGHT 2005**

The Auburn University ASCE Student Chapter of will be hosting a Career Night at the AU Conference Center on Tuesday evening February 8, 2005. The Career Night provides an excellent opportunity for students to talk with representatives of Civil Engineering firms about various job specialties. The represented companies will have the chance to meet a diverse group of soon-to-graduate Civil Engineering students with interest in Transportation, Geotechnical, Environmental, Structural, Construction, Hydraulics/Hydrology and Pavement/Materials.

We ask from participating companies a donation of $250 to help fund our chapter’s involvement in the upcoming ASCE Southeastern Conference. The conference promotes competition between universities in events such as the concrete canoe, concrete frisbee, steel bridge, technical paper, transportation, geotechnical, and environmental, just to name a few. Due to limited space booths will be on a first come bases.

War Eagle!

**Contact:**
Mary Stroup-Gardiner
ASCE Student Chapter Advisor
marysg@eng.auburn.edu

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<th>Time</th>
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<tr>
<td>10:30 a.m.</td>
<td><strong>Presiding:</strong> Walter “Doc” Dorsey, City Engineer, Opelika, AL</td>
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<td>10:30 a.m.</td>
<td><strong>Preview of Alabama’s New Crash Reporting Form</strong></td>
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<td>David B. Brown, University of Alabama, Tuscaloosa, AL</td>
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<td>11:00 a.m.</td>
<td><strong>Analysis of Cross-Median Crashes on Divided Arterials with Partial Control of Access</strong></td>
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<td>Brian Bowman, Auburn University, Auburn, AL</td>
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<td>11:30 a.m.</td>
<td><strong>Signalized Intersection Safety in Europe</strong></td>
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<td>Rudy Umbs, Office of Safety Design, FHWA, Washington D. C.</td>
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