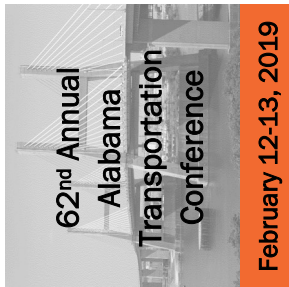




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 OF ENGINEERING**

Department of Civil Engineering
 Highway Research Center
 Alabama Transportation Assistance Program



Program Developed by:

- Alabama Department of Transportation*
- Federal Highway Administration*
- Auburn University*
- Alabama Road Builders Association*
- Alabama Asphalt Pavement Association*
- Alabama Concrete Industries Association*
- ASCE, Alabama Section*
- Association of County Engineers of Alabama*
- Institute of Transportation Engineers, Alabama Section*
- American Council of Engineering Companies of Alabama*
- Alabama Bridge Contractors Association*
- Precast/Pre-stressed Concrete Institute, Gulf South Region*

About the Conference

Auburn's Civil Engineering Department and the Program Committee have designed the 62nd Annual Alabama 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, design, construction, operations, and maintenance.

Technical sessions, sit-down luncheons, and breaks will be provided to create a forum for the exchange of ideas between transportation engineering and construction professions. The conference will also include a Trade Exhibit with many exhibitors that will enhance learning and provide additional networking opportunities for all participants.

Location and Schedule

The conference will be held at the Renaissance Montgomery Hotel & Spa at The Convention Center, located at 201 Tallapoosa Street, Montgomery, Alabama. Final registration and check-in will be held from 8:30 a.m. to 10:30 a.m. in the Main Lobby on Tuesday, February 12, 2019. The Opening General Session begins at 10:30 a.m. in the Performing Arts Center. The conference will adjourn Wednesday afternoon, February 13, 2019.

Registration and Fee

All persons attending the conference must register. The registration fee of \$225 includes all sessions, program materials, refreshment breaks, Trade Exhibit, and luncheons. Student and ALDOT retiree registration is \$50. To register, please complete the attached registration form and return it by mail to the address indicated, by FAX 334-844-5715, or by calling the Alabama Transportation Assistance Program at 800-446-0382 or 334-844-4370. On-line registration is available at www.engce.auburn.edu.

Accommodations

Participants are responsible for making their own lodging arrangements. A block of rooms have been reserved at the conference hotel. The room block is listed under 62nd Transportation and Engineering Conference. Rate: \$143 plus taxes. Call 877-545-0311. The last day to book at this rate is January 14, 2019.

Cancellation Policy

Due to commitments to our speakers and facilities, the registration fee is non-refundable if a registrant withdraws less than five business days before the program starts. Substitutions may be made at any time, please notify us in advance if possible. No-shows will be liable for the entire conference 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.

Professional Development Hours

Participants in this conference will be able to attend up to eight (8) 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 licensure.

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.

Program Handouts

Handouts of the material presented at each session will be available for download approximately two weeks after the conference. Presentations can be downloaded by visiting the following website: <http://www.alabamat2.org>

Program Committee

Alabama Department of Transportation

John R. Cooper	Don Arkle
George Conner	Bill Flowers
William Adams	Willie Bradley
Ed Austin	Tim Colquett
John Eagerton	Scott George
Stacey Glass	Robert Lee
Clay McBrien	Michelle Owens
Ed Phillips	Skip Powe
Terry Robinson	Phillip Shamburger
Steve Walker	John-Michael Walker
Maxine Wheeler	

Auburn University

Brian Anderson	Justin Marshall
Anton Schindler	Rod Turochy
Wesley Zech	Hugo Zhou
Michael Heitzman	

Federal Highway Administration

Mark Bartlett and Kristy Harris
Montgomery, Alabama

Alabama Section, ASCE

Frank Summers, Tuscaloosa, Alabama

Association of County Engineers of Alabama

DeAndrae Kimbrough, Marion, Alabama

Institute of Transportation Engineers, Alabama Section

Marybeth Bergin, Mobile, Alabama

American Council of Engineering Companies of Alabama

Renée Casillas, Montgomery, Alabama

Alabama Road Builders Association

Tom Layfield, Montgomery, Alabama

Alabama Asphalt Pavement Association

Mel Monk, Montgomery, Alabama

Alabama Concrete Industries Association

John Sorrell, Montgomery, Alabama

Alabama Bridge Contractors Association

Clay McInnis, Montgomery, Alabama

Precast/Pre-stressed Concrete Institute, Gulf South Region

Dan Eckenrode, Gulfport, Mississippi

2019 Conference Outline

Tuesday, February 12, 2019

8:30 a.m.	Registration Opens
10:30 a.m.	Opening General Session – Performing Arts Center <i>Presiding:</i> Dr. Anton Schindler, Professor and HRC Director, Department of Civil Engineering Auburn University, AL
	Opening Remarks
	The State of Play: How State DOTs Are Transforming Transportation Jim Tymon Executive Director AASHTO, Washington, D.C.
	Challenges and Opportunities: Setting the Stage for Transportation Investment Perry Hand Volkert, Inc. Alliance for Alabama's Infrastructure Mobile, Alabama
12:10 p.m.	Governor's Luncheon – Exhibit Hall C <i>Presiding:</i> Dr. Steve Taylor Associate Dean for Research Samuel Ginn College of Engineering Auburn University, AL
	The Honorable Kay Ivey, Governor (Invited) State of Alabama
1:30 p.m.	Concurrent Technical Sessions
3:00 p.m.	Break
3:30 p.m.	Concurrent Technical Sessions
5:00 p.m.	Adjourn

Wednesday, February 13, 2019

8:30 a.m.	Concurrent Technical Sessions
10:00 a.m.	Break
10:30 a.m.	Concurrent Technical Sessions
12:10 p.m.	Transportation Director's Luncheon – Exhibit Hall C <i>Presiding:</i> Dr. Rod Turochy, Professor and Director of the Alabama Transportation Assistance Program, Auburn University, AL
	John R. Cooper, Transportation Director Alabama Department of Transportation
	AASHTO 25-Year Awards of Meritorious Service
1:30 p.m.	Adjourn

Tuesday, February 12
1:30 p.m. to 3:00 p.m.

Roadway Design

Meeting Room: Alabama A

Presiding: Frank Summers
President, ASCE Alabama Section

1:30 p.m. **New AASHTO Green Book, 7th Edition**
Steve Walker
ALDOT, Design Bureau, Montgomery, AL

2:00 p.m. **Vulnerable Road Users Guidebook**
Jeff LaMondia, Ph.D.
Department of Civil Engineering,
Auburn University, AL

2:30 p.m. **Design and Traffic Analysis of Alabama's First Diverging Diamond Interchange**
Sean Frank and Taylor Stoudenmire
ALDOT, Design Bureau, Montgomery, AL

Asphalt Technologies Paving the Way

Meeting Room: Alabama B

Presiding: Steven Ingram
State Testing Engineer, ALDOT, Montgomery, AL

1:30 p.m. **Paving I-459 with the HIMOD Asphalt Binder - Contractor's Perspective**
Paul Coffman
Midsouth Paving, Inc., Birmingham, AL

2:00 p.m. **Cold Recycling - A National Perspective on Research and Implementation**
Ben Bowers, Ph.D.
Department of Civil Engineering,
Auburn University, AL

2:30 p.m. **NCAT Test Track 2015 Cycle Benefits for the Paving Community**
Buzz Powell, Ph.D.
National Center for Asphalt Technology
Auburn University, AL

Construction

Meeting Room: Performing Arts Center

Presiding: Skip Powe, State Construction Engineer
ALDOT, Montgomery, AL

1:30 p.m. **Birmingham CBD Project Update**
Adam Patterson
Volkert, Inc., Birmingham, AL

2:00 p.m. **Construction of the Duck River Reservoir**
Steve Newton
TTL, Inc., Birmingham, AL

2:30 p.m. **HMA e-Tracking: HMA Electronic Delivery Management System**
Hunter Golson, ALDOT
Construction Bureau, Montgomery, AL
Charles Cook
Midsouth Paving, Montgomery, AL

Tuesday, February 12
3:30 p.m. to 5:00 p.m.

Highway Safety

Meeting Room: Alabama A

Presiding: Gary Moore, Assistant Design Bureau Chief - Traffic Engineering
ALDOT, Montgomery, AL

3:30 p.m. **ALDOT Horizontal Curve Signing Program and December 2019 MUTCD Compliance**
John-Michael Walker
ALDOT, Design Bureau, Montgomery, AL

4:00 p.m. **Roundabout Design Issues**
Gregory Wells and LaTasha Merchant
ALDOT, Design Bureau, Montgomery, AL

4:30 p.m. **Impact of MASH on Roadside Safety Device Manufactures**
Paul Barber
Trinity Highway Products, Vestavia Hills, AL

Pavement Preservation Moving Ahead

Meeting Room: Alabama B

Presiding: Adriana Vargas, Ph.D., National Center for Asphalt Technology, Auburn University, AL

3:30 p.m. **Materials, Mix Design and Construction of Micro-surfacing Treatments**
Todd Nance
Hudson Construction Company, Chattanooga, TN

4:00 p.m. **Best Practices for Pavement Preservation Quality**
Adriana Vargas, Ph.D., National Center for Asphalt Technology, Auburn University, AL

4:30 p.m. **Moving Ahead in the Southeast Region**
Steve Graben
Southeast Region Engineer, ALDOT, Montgomery, AL

Bridges

Meeting Room: Performing Arts Center

Presiding: Tim Colquett, State Bridge Engineer
ALDOT, Montgomery, AL

3:30 p.m. **I-59/I-20 CBD Bridge Replacement**
Tim Colquett, Bridge Bureau, ALDOT, Montgomery, AL
Lloyd Pitts, Volkert, Inc., Mobile, AL
Eric Johnson, Corven Engineering, Inc., Tallahassee, FL

4:00 p.m. **Performance Monitoring of the Tuscaloosa Box Girder Bridge**
Wei Song, Ph.D., Department of Civil, Construction, and Environmental Engineering
University of Alabama, Tuscaloosa, AL

4:30 p.m. **Lateral Testing and Analysis of Steel Pile Bent Bridges**
Justin Marshall, Ph.D., Auburn University, AL
Brian Anderson, Ph.D., Auburn University, AL
Stephen Hammett, Hammett Eng., Montgomery, AL

Wednesday, February 13
8:30 a.m. to 10:00 a.m.

Environmental and Sustainability Issues

Meeting Room: Alabama A

Presiding: Richard Klinger, Environmental Construction Engineer
ALDOT, Montgomery, AL

8:30 a.m. **The New Blue Book - Updates to the Alabama Handbook for Erosion and Sediment Control**
Perry Oakes, Consultant, Auburn, AL

9:00 a.m. **Improvements in Silt Fence Installations Determined through Full-scale Testing**
Wesley Donald, Ph.D.
Department of Civil Engineering, Auburn University, AL

9:30 a.m. **The State of Stormwater Management in Alabama**
Barry Fagan
Volkert, Inc., Montgomery, AL

City and County Engineering

Meeting Room: Alabama B

Presiding: DeAndrae Kimbrough
President, Association of County Engineers of Alabama

8:30 a.m. **National Environmental Policy Act (NEPA) Process**
Natasha Clay
ALDOT, Design Bureau, Montgomery, AL

8:52 a.m. **Uniform Act and ROW Acquisition for Federal Aid Projects**
Jeff Jones
ALDOT, Right of Way Bureau, Montgomery, AL

9:15 a.m. **Transportation Alternatives Program (TAP) and High Risk Rural Roads (HRRR) Program Updates**
James Boyer
ALDOT, Local Transportation Bureau, Montgomery, AL

9:37 a.m. **Elmore County Local Road Safety Plan**
Luke McGinty
Elmore County Highway Department, Wetumpka, AL

Innovations in Geotechnical Engineering

Meeting Room: Performing Arts Center

Presiding: Kaye Chancellor Davis, State Geotechnical Engineer
ALDOT, Montgomery, AL

8:30 a.m. **LRFD Changes Impacting ALDOT Geotechnical Engineering**
Kaye Chancellor Davis, ALDOT
Bureau of Materials and Tests, Montgomery, AL

9:00 a.m. **Deep Foundation Load Testing for the I-10 Mobile River Bridge Project**
Robert Thompson and Sam Sternberg
Dan Brown and Associates, Montgomery, AL

9:30 a.m. **Geotechnical Aspects of an Engineering Mega Project**
Liz Smith
Terracon Consultants, Inc., Austin, TX

Wednesday, February 13
10:30 a.m. to 12:00 p.m.

Concrete Solutions

Meeting Room: Alabama A

- Presiding: John Sorrell
President, Alabama Concrete Industries Association
- 10:30 a.m. **Full-Depth Reclamation (FDR) for County Projects**
Richie Beyer
Elmore County Engineer, Wetumpka, AL
- 11:00 a.m. **Roller-Compacted Concrete (RCC) for Local Roads**
Cornelia Sides
Volkert, Inc., Montgomery, AL
- 11:30 a.m. **Concrete Strength Assessment by Core Testing**
Anton Schindler, Ph.D.
Department of Civil Engineering
Auburn University, AL

Multimodal Transportation

Meeting Room: Alabama B

- Presiding: Marybeth Bergin
President, Alabama Section ITE
- 10:30 a.m. **Birmingham Bus Rapid Transit, Transforming Communities**
Howard Richards
City of Birmingham, Birmingham, AL
- 11:00 a.m. **Pedestrian Access and Redevelopment Corridor - Changing the Huntsville Skyline**
Byron Hinchey
S&ME, Inc., Huntsville, AL
- 11:30 a.m. **Shared Micro-Mobility: Wheels in the Right of Way**
Lindsey Gray West
Bantam Strategy Group, Baton Rouge, LA

Maintaining Roadways for Safe Operations

Meeting Room: Performing Arts Center

- Presiding: Stacey Glass, State Maintenance Engineer
ALDOT, Montgomery, AL
- 10:30 a.m. **GDOT's Intersection Control Evaluation Policy**
Chris Raymond
Georgia DOT, Atlanta, AL
- 11:00 a.m. **Tuscaloosa's Traffic Operations Regional Transportation Pilot Program**
Shahram Malek
Arcadis, Marietta, GA
- 11:30 a.m. **Using Big Data to Improve Traffic Operations**
Brett Sellers
ALDOT, Maintenance Bureau, Montgomery, AL

New For 2019—Trade Exhibit

A new feature at this year's conference is a Trade Exhibit. The Trade Exhibit will be held in Exhibit Hall C, where all luncheons and refreshment breaks will be served. Exhibitors from a wide range of transportation-related fields are expected to attend. The exhibit will be open from 1:30 to 6:00 p.m. on Tuesday, February 12, and on Wednesday, February 13, from 7:30 a.m. to noon and again from 1:30 to 3:00 p.m.

A list of exhibitors will be included in the copy of the conference brochure that will be distributed at the registration and check-in table.

Exhibitor Information

Prospective exhibitors may register for an exhibit booth at https://aub.ie/ALTC_Exhibitor_2019.

The exhibitor fee is \$800, which includes conference registration for one person, a 10' x 8' booth demarcated with pipes and drapes, a table and 2 chairs. Exhibitor booths are available on a first-come, first-serve basis until all booths have been reserved. More details are available on the exhibitor registration page.

Parking

1. Renaissance Montgomery Hotel Parking Deck

The parking deck at the Renaissance Montgomery Hotel and Spa at the Convention Center has 600 parking spaces including valet. Rates for self park:

- 0-30 minutes - Free 6-10 hours - \$12.00
- Up to 2 hours - \$4.00 Overnight - \$16.00
- 2 to 6 hours - \$8.00

2. Intermodal Parking Deck

Located at 495 Molton Street.
Hours and rates for parking:

- Monday to Friday, 6:30 a.m. to 6:00 p.m.
\$1.00 per hour, maximum of \$4.00 per visit.
- Monday to Friday, 6:30 p.m. to 6:00 a.m.
No charge

62nd Annual Alabama Transportation Conference

Renaissance Montgomery Hotel and Spa at the Convention Center
February 12-13, 2019

ON LINE REGISTRATION AT: www.engce.auburn.edu

Please print or type; register one person per form; photocopy if more forms are needed.

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