ABOUT THE CONFERENCE

Auburn University Transportation Research Institute and the Program Committee have designed the 67th Annual Alabama Transportation Conference for federal and state highway personnel, road building contractors, general contractors, heavy construction contractors, utility contractors, city and 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, welcome reception, and breaks will be provided to create a forum for the exchange of ideas between transportation engineering and construction professionals. The conference will also include an Exhibit Hall 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 BJCC, located at 2100 Richard Arrington Jr. Blvd. N., Birmingham, Alabama. Final registration and check-in will be held from 8:30 am to 10:30 am on the Main Level Lobby on Tuesday, February 6, 2024. The Opening General Session begins at 10:30 am in the East Exhibition Hall 2. The conference will adjourn Wednesday February 7, 2024 at 1:30 pm.

REGISTRATION AND FEES

The registration fee includes all sessions, program materials, refreshment breaks, Exhibits, Welcome Reception, and luncheons. Please register online at https://aub.ie/ATC2024Registration

FEES:
Early Bird Registration $300.00 (ends January 8, 2024)
Regular Registration $350.00
Walk-In Registration $400.00
Retired ALDOT and Retired County Engineers $50.00

ACCOMMODATIONS

Participants are responsible for making their own lodging arrangements. A block of rooms has been reserved at the Sheraton Birmingham Hotel at a rate of $165 plus tax. Reservations can be made through January 8, 2024 at https://aub.ie/ATC2024-lodging
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.

**Cancellation Policy**

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.

**Professional Development Hours**

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.

**Participants with Disabilities**

Presentations shared throughout the course of the conference will be made available for download approximately two weeks after the conclusion of the conference. Materials will be shared upon availability and contingent upon prior approval from the presenter. These will be available for download on the conference website https://aub.ie/atap

**Conference Presentations**

**Program Committee**

- **Alabama Department of Transportation**
  - John Cooper
  - George Conner
  - Lamar Woodham
  - Willie Bradley
  - Frank Framer
  - Eric Christie
  - Scott George
  - Stacey Glass
  - Joe Lister
  - John-Michael Walker
  - Edward Austin
  - Matt Leverette
  - Clay McBrien
  - Stan Biddick
  - Tim Colquett
  - Kidadu Dixon
  - Brad Lindsey
  - Philip Shamburger
  - Craig Guthridge

- **Federal Highway Administration**
  - Mark Bartlett and Kristy Harris
  - Montgomery, Alabama

- **American Society of Civil Engineers**
  - **Alabama Section**
  - Charles Weber, Orange Beach, Alabama

- **Association of County Engineers of Alabama**
  - **Eric Hill, Florence, Alabama**

- **Institute of Transportation Engineers**
  - **Alabama Section**
  - Matt Johnson, Guntersville, Alabama

- **American Council of Engineering Companies of Alabama**
  - Renée Casillas, Montgomery, Alabama

- **Alabama Road Builders Association**
  - Skip Powe, 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

- **Auburn University**
  - Brian Anderson
  - Mike Perez
  - Rod Turochy
  - Hugo Zhou
  - Hollis Marshall
  - Ben Bowers
  - Anton Schindler
  - Matt Yarnold
  - Larry Rilett
  - Carla Story

**2024 Conference Program**

**Tuesday, February 6, 2024**

- 8:30 am: Registration and Exhibit Hall Open
- 10:30 am: Opening General Session—East Exhibition Hall 2
  - Presiding: Dr. Anton Schindler, Professor and Director of Auburn University Transportation Research Institute
  - Auburn University, Auburn, AL
- 12:10 pm: Director’s Luncheon—East Exhibition Hall 3
  - Presiding: Dr. Rod Turochy, Professor and Associate Director for Outreach, Auburn University Transportation Research Institute
  - Auburn University, Auburn, AL
- 1:30 pm: Concurrent Technical Sessions
- 3:00 pm: Break—East Exhibition Hall 2
- 3:30 pm: Concurrent Technical Sessions
- 5:00 pm: Welcome Reception—East Exhibition Hall 2
- 6:30 pm: Adjourn and Exhibit Hall Closes

**Wednesday, February 7, 2024**

- 7:30 am: Exhibit Hall Opens; Continental Breakfast
- 8:30 am: Concurrent Technical Sessions
- 10:00 am: Break—East Exhibition Hall 2
- 10:30 am: Concurrent Technical Sessions
- 12:10 pm: Governor’s Luncheon—East Exhibition Hall 3
  - Presiding: Dr. Larry Rilett, Professor and Director for Outreach, Auburn University Transportation Research Institute
  - Auburn University, Auburn, AL
- 1:30 pm: The Honorable Kay Ivey, Governor (invited)
  - State of Alabama
- 5:00 pm: AASHTO 25-Year Awards of Meritorious Service
  - Conference Adjourns
Tuesday, February 6
1:30 to 3:00 pm

Reactive and Proactive Maintenance
Meeting Room: East Ballroom AB
Presiding: Eric Christie, State Maintenance Engineer
ALDOT, Montgomery, AL

Repair of the Perry Street Bridge I-85 Overpass
Brad Williams and Jesse Mooney, ALDOT. Montgomery, AL
Ty Tyler, McInnis Construction, Montgomery, AL

Rehabilitation of the Bridge over the Chattahoochee River
Chris Hiner, ALDOT, Troy, AL

Update on the ALGO System
Brett Sellers
ALDOT, Montgomery, AL

Geotechnical Exploration and Design
Meeting Room: East D-M
Presiding: Kaye Chancellor Davis, Deputy State Materials and Tests Engineer, ALDOT, Montgomery, AL

Upcoming Changes to Section 10 of the AASHTO LRFD Bridge Design Specifications
Erik Loehr, Ph.D.
University of Missouri, Columbia, MO

Measuring While Drilling for Site Exploration
Michael Rodgers, Ph.D.
University of Florida, Gainesville, FL

Communication and Funding
Meeting Room: East N-O
Presiding: Charles Weber, President
ASCE Alabama Section, Orange Beach, AL

Road Usage Charging as a Potential Revenue Source
Randall Thomas
RUC America, Salem, OR

Communicating Construction Impacts in a Cluttered Communications World
Scott Higley
Georgia DOT, Atlanta, GA

Megaprojects in Today’s Media World
Tony Harris
ALDOT, Montgomery, AL

Tuesday, February 6
3:30 to 5:00 pm

Bridges
Meeting Room: East Ballroom AB
Presiding: Tim Colquett, State Bridge Engineer
ALDOT, Montgomery, AL

Accelerated Bridge Construction in Tennessee
Ted Kniazewycz, Structures Division Director
Tennessee DOT, Nashville, TN

Update on the Mobile River Bridge and Bayway Project
Edwin Perry
ALDOT, Mobile, AL

Lessons Learned: Emergency Bridge Repair of Sunshine Bridge over Mississippi River
Chris Guidry, Project Manager
Louisiana DOTD, Baton Rouge, LA

Road Safety
Meeting Room: East D-M
Presiding: John-Michael Walker, State Traffic & Safety Operations Engineer, ALDOT, Montgomery, AL

Introduction to the Safe System Approach
Stephen Ratke
Federal Highway Administration, New York, NY

Alabama Roadway Departure Safety Implementation Plan
Scott Himes, Ph.D.
Vanasse Hangen Brustlin, Inc., Raleigh, NC

Advances in Roadside Barrier Design and Testing
Bob Bielenberg
University of Nebraska, Lincoln, NE

Water Resources and Our Environment
Meeting Room: East N-O
Presiding: Nick Franklin, Environmental Permitting Engineer
ALDOT, Montgomery, AL

Addressing Citizen Environmental Concerns with Proper Perspective
Scott Rogers, Ph.D.
ALDOT, Montgomery, AL

Status of the Alabama Dam Safety Program
Steve Newton
TTL, Inc., Hoover, AL

WOTUS and Sackett: Impact on the Clean Water Act
Leslie E. Turney
US Army Corps of Engineers—Regulatory Division
Vestavia Hills, AL

PARKING
There are several parking options for parking at the BJCC. All Parking Decks are $20.00 per day. No cash, card only.

♦ Sheraton Birmingham Hotel—Red Garage
917 22nd Street N

♦ Silver Garage
1080 22nd Street N

♦ Purple Lot
930 19th Street N

♦ Orange Lot
1000 19th Street N

♦ Gold Lot
2130 11th Avenue N

IMPORTANT INFORMATION
For security reasons, Conference Lanyards MUST be worn for entrance into all conference luncheons, sessions, and exhibit hall. Security personnel will be positioned at all doors.

SPONSORSHIPS/EXHIBITORS
Exhibitors from a wide range of transportation-related fields are expected to attend. The exhibit will be open on Tuesday, February 6, from 8:30 am to 12:00 pm and 1:30 to 6:30 pm and on Wednesday, February 7, from 7:30 am to 12:00 pm.

Exhibitors will be located in East Exhibition Hall 1 where all refreshment breaks and the Welcome Reception will be served.

Prospective exhibitors must register for an exhibit booth before January 12, 2024 at https://aub.ie/ATC2024exhibitors

Sponsorship opportunities are available at various price points:

- Conference Lanyard—$3,000
- Conference Notebook—$2,000
- Drink Coaster—$2,000
- Lunch Cooler Tote—$3,500
- Wi-Fi Sponsor—$2,500

To register for a sponsorship please register at https://aub.ie/ATC2024Sponsors

For additional information, please visit our website at https://aub.ie/atap
Wednesday, February 7
8:30 to 10:00 am

Construction
Meeting Room: East Ballroom AB
Presiding: Stacey Glass, State Construction Engineer
ALDOT, Montgomery, AL

Construction of the Linden Bypass
John Graham
ALDOT, Grove Hill, AL

I-59 Reconstruction in Etowah and DeKalb Counties
Kelvin Stewart and Jordon Fleming
ALDOT, Guntersville, AL

Impact of the New Alabama Liability Law
Skip Powe
Alabama Road Builders Association, Montgomery, AL

Traffic Operations and Roadway Design
Meeting Room: East D-M
Presiding: Matt Johnson, President
Alabama Section ITE, Guntersville, AL

Planning of Birmingham’s Northern Beltline
Steve Walker
ALDOT, Birmingham, AL

Impact of New Public Right-of-Way Accessibility Guidelines on Intersection Design
Clint Andrews
Federal Highway Administration—Alabama Division
Montgomery, AL

Leverage Existing Traffic Signal Sensors to Obtain Quality Pedestrian and Traffic Counts
Yao-Jan Wu, Ph.D.
University of Arizona, Tucson, AZ

Between the Guardrails: State of Asphalt
Meeting Room: East N-O
Presiding: Mel Monk, Executive Director
Alabama Asphalt Pavement Association
Montgomery, AL

Pavement Preservation: What Do We Know?
Travis Walbeck, National Center for Asphalt Technology
Auburn University, Auburn, AL

An Update on ALDOT’s Climate Challenge Project
Zane Hartzog
ALDOT, Montgomery, AL

Benchmarking Cracking Resistance of Asphalt Mixtures in Alabama
Nam Tran, Ph.D., National Center for Asphalt Technology
Auburn University, Auburn, AL

Wednesday, February 7
10:30 to 12:00 Noon

Multimodal Transportation
Meeting Room: East Ballroom AB
Presiding: Scott Tillman, Director of Planning, Regional Planning Commission of Greater Birmingham
Birmingham, AL

Bipartisan Infrastructure Law Overview/FRA USDOT Grant Programs
Brittany Lavender
Federal Railway Administration, Washington, DC

Infrastructure Needs for Electric Vehicles in Alabama
Michael Staley
Alabama Clean Fuels Coalition, Birmingham, AL

Best Practices for Deploying Battery Electric Buses and Charging Systems
Lisa Staes
Center for Urban Transportation Research
University of South Florida, Tampa, FL

Concrete Solutions
Meeting Room: East D-M
Presiding: Scott George, State Materials and Tests Engineer
ALDOT, Montgomery, AL

Lessons Learned on Concrete Intersection Construction
Will Gray
A.G. Peltz Group, Birmingham, AL

Rapid Bridge Deck Repair and the Use of Volumetric Concrete Mixer Trucks
Susan Foster
CTS Cement Manufacturing Corp., Garden Grove, CA

Impact of Initial Curing of Cylinders on Concrete Strength
Anton Schindler, Ph.D.
Auburn University, Auburn, AL

City and County Engineering
Meeting Room: East N-O
Presiding: Eric Hill, President,
Association of County Engineers of Alabama
Florence, AL

An Overview of the Alabama Transportation Infrastructure Bank
Louis Cardinal and Alex Jackson
Thornton Farish, Inc., Montgomery, AL

PROWAG Update and Visually Impaired Pedestrians
Chris Holloway
Synapse ITS, Decatur, AL

New Minimum Pavement Marking Retroreflectivity Requirements
Paul LaFleur
Federal Highway Administration, Ames, IA