



Alabama Transportation Assistance Program
 1301 Shelby Center
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 Auburn, AL 36849-0001

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AUBURN UNIVERSITY SAMUEL GINN COLLEGE OF ENGINEERING

Auburn University Transportation Research Institute
 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
- American Society of Civil Engineers, 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 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>

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.

CONFERENCE PRESENTATIONS

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>

PROGRAM COMMITTEE

Alabama Department of Transportation

| | | |
|---------------------|-------------------|----------|
| John Cooper | Edward Austin | 8:30 am |
| George Conner | Matt Leverette | |
| Lamar Woodham | Clay McBrien | 10:30 am |
| Willie Bradley | Stan Biddick | |
| Frank Framer | Tim Colquett | |
| Eric Christie | Kidada Dixon | |
| Scott George | Brad Lindsey | |
| Stacey Glass | Philip Shamburger | |
| Joe Lister | Craig Guthridge | |
| John-Michael Walker | | |

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 | Ben Bowers |
| Mike Perez | Anton Schindler |
| Rod Turochy | Matt Yarnold |
| Hugo Zhou | Larry Rilett |
| Hollis Marshall | Carla Story |

1:30 pm

2024 Conference Program

Tuesday, February 6, 2024

Registration and Exhibit Hall Open
Continental Breakfast - East Exhibition Hall 2

Opening General Session – East Ballroom AB

Presiding: Dr. Anton Schindler, Professor and Director
Highway Research Center
Auburn University, Auburn, AL

Opening Remarks

30 by 30—Moving Toward Safer Roads

David Harkey, Ph.D.
President
Insurance Institute for Highway Safety, Arlington, VA

The Port of Huntsville – A Multimodal Transportation Center

Luther H. Roberts, Jr.
Chief Executive Officer
Huntsville Port Authority, Huntsville, AL

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

John Cooper, Transportation Director
Alabama Department of Transportation

Concurrent Technical Sessions

Break—East Exhibition Hall 2

Concurrent Technical Sessions

Welcome Reception—East Exhibition Hall 2

Adjourn and Exhibit Hall Closes

Wednesday, February 7, 2024

Exhibit Hall Opens; Continental Breakfast

Concurrent Technical Sessions

Break—East Exhibition Hall 2

Concurrent Technical Sessions

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

The Honorable Kay Ivey, Governor (Invited)
State of Alabama

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 Huner,
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 Jordy 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

67th Annual Alabama Transportation Conference

BJCC, 2100 Richard Arrington Jr. Blvd. N, Birmingham, AL 35203

February 6-7, 2024

ONLINE REGISTRATION AT: <https://aub.ie/ATC2024Registration>

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

Name _____ Employer: _____
DOT Division/Bureau _____ ALDOT Employee ID _____ Position _____
Address: _____ Email: _____
City, State, Zip+4 _____ Phone: _____

____ Director's Lunch 1st Day _____ Governor's Lunch 2nd Day _____ Vegetarian

Early Bird Registration Fee: \$300.00 (ends Jan. 8, 2024)

Regular Registration Fee: \$350.00 (beginning Jan. 9, 2024)

Walk-In Registration Fee: \$400.00

ALDOT Retiree Registration Fee: \$50.00 Retired County Engineer Fee: \$50.00

PLEASE MAKE CHECKS PAYABLE TO AUBURN UNIVERSITY. IF PAYING BY CREDIT CARD, PLEASE CALL 334-844-4370

MAIL REGISTRATION
FORM AND CHECK TO:
ATAP

1301 Shelby Center
Auburn, AL 36849-5375

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