



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

The Auburn University Transportation Research Institute and the Program Committee have designed the 68th Annual Alabama Transportation Conference for federal and state highway personnel, road building 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 & 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 11, 2025. The Opening General Session begins at 10:30 am in Ballroom A/B. The conference will adjourn Wednesday February 12, 2025 at 1:30 pm.

REGISTRATION & FEES

The registration fee includes all sessions, program materials, refreshment breaks, Exhibits, Welcome Reception, and luncheons. Please register online at <http://aub.ie/ATC2025>.

FEES:

- Early Bird Registration \$300.00 (ends December 31,2024)
- 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 \$173 plus tax. Reservations can be made through January 13, 2025 at <http://aub.ie/ATC2025HOTEL>.

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 a result of a canceled program.

PROFESSIONAL DEVELOPMENT HOURS

Participants in this conference will be able to attend 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 R. Cooper	Joe Lister
Edward Austin	Kidada Dixon
George Conner	Brad Lindsey
Willie Bradley	Philip Shamburger
Bill Patty	Eric Christie
Matt Leverette	Scott George
Clay McBrien	Stacey Glass
Stan Biddick	John-Michael Walker
Tim Colquett	Craig Guthridge
Frank Farmer	

Federal Highway Administration

Mark Bartlett and Kristy Harris
Montgomery, Alabama

Alabama Section, ASCE

Craig Williams, Tuscaloosa, Alabama

Association of County Engineers of Alabama

Luke McGinty, Wetumpka, Alabama

Institute of Transportation Engineers Alabama Section

Veronica Ramirez Ayala, Auburn, 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	Cameron Farr
Hollis Marshall	Mike Perez
Tyler Mitchell	Anton Schindler
Larry Rilett	Scott Tison
Carla Story	Matt Yarnold
Nam Tran	Huaguo Zhou
Rod Turochy	

2025 Conference Program

Tuesday, February 11, 2025

8:30 am Registration and Exhibit Hall Opens

10:30 am **Opening General Session – BALLROOM A/B**
Presiding: Dr. Anton Schindler, Professor and HRC Director, Auburn University, Auburn, AL

Opening Remarks

Transportation Challenges and Successes in the State of Florida

*by Jared W. Perdue, P.E.
Secretary of Transportation
Florida Department of Transportation, Tallahassee, FL*

Importance of Infrastructure for Alabama Economic Growth

*by Helena Duncan
President and CEO
Business Council of Alabama, Montgomery, AL*

12:10 pm **Governor's Luncheon – EAST EXHIBIT HALL 3**

Presiding: Dr. Larry Rilett, Professor and AUTRI Director, Auburn University, Auburn, AL

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

1:30 pm **Concurrent Technical Sessions**

3:00 pm **Break – EAST EXHIBIT HALL 2**

3:30 pm **Concurrent Technical Sessions**

5:00 pm **Welcome Reception – EAST EXHIBIT HALL 2**

6:30 pm **Adjourn and Exhibit Hall Close**

Wednesday, February 12, 2025

8:00 am **Exhibit Hall Opens**

8:30 am **Concurrent Technical Sessions**

10:00 am **Break – EAST EXHIBIT HALL 2**

10:30 am **Concurrent Technical Sessions**

12:10 pm **Transportation Director's Luncheon – EAST EXHIBIT HALL 3**

Presiding: Dr. David Timm, Professor and Chair of the Department of Civil and Environmental Engineering, Auburn University, Auburn, AL

John R. Cooper, Transportation Director Alabama Department of Transportation

AASHTO 25-Year Awards of Meritorious Service

1:30 pm **Adjourn and Exhibit Hall Closes**

Tuesday, February 11
1:30 to 3:00 PM

Construction

Meeting Room: Ballroom A/B
Presiding: Stacey Glass, State Construction Engineer
ALDOT, Montgomery, AL

The SR 161 Connector from SR 180 to Foley Beach Express
by Fred Brown
Volkert, Inc., Daphne, AL

West Alabama Highway Update
by Kevin White
Brasfield and Gorrie, Birmingham, AL

Critical-Path Method (CPM) Schedules as a Management Tool
by Matt McMillan and Asia Kessinger
Kiewit Corporation, Omaha, NE

Traffic Operations and Roadway Design

Meeting Room: East Rooms D-M
Presiding: Veronica Ramirez Ayala
President, Alabama Section ITE, Auburn, AL

An International Scan of Turbo Roundabouts
by Jeff Shaw
Federal Highway Administration, Washington, DC

ALDOT's Adoption Process for the New MUTCD (11th Edition)
by Jason Daniels
ALDOT, Montgomery, AL

Signalized Intersection Technology Advancements
by Alex Hainen, Ph.D.
The University of Alabama, Tuscaloosa, AL

Asphalt that Strengthens Alabama Roads

Meeting Room: East Rooms N-O
Presiding: Scott George, State Materials and Tests Engineer
ALDOT, Montgomery, AL

Asphalt Sustainability: Building for Tomorrow
by Heather Dylla, Ph.D.
Construction Partners, Inc., Dothan, AL

Road-Tested: Lessons from ALDOT's Test Sections
by Randy West, Ph.D.
NCAT, Auburn University, Auburn, AL

Rebuilding Excellence: The 2024 NCAT Test Track
by Nathan Moore
NCAT, Auburn University, Auburn, AL

Tuesday, February 11
3:30 to 5:00 PM

Bridges

Meeting Room: Ballroom A/B
Presiding: Tim Colquett
State Bridge Engineer, ALDOT, Montgomery, AL

A Plan for Reproiling a Cable-Stayed Bridge to Provide Increased Navigation Clearance
by Steven Hague
HNTB Corporation, Houston, TX

Impact of Vessel Collision on Bridges
by Andy Nowak, Ph.D.
Auburn University, Auburn, AL

Cathodic Protection of Prestressed Girders on Dauphin Island Bridge
by Natallia Shanahan, Ph.D.
VCS Engineering, Inc., Tampa, FL

Road Safety

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

A Safe System Approach to Appropriate Speed Limits
by Tim Taylor
Federal Highway Administration, Atlanta, GA

Reduced Conflict Intersections for Safety in the Alexander City Area
by John Emery
ALDOT, Alexander City, AL

Compatibility of Roadside Hardware with Electric Vehicles
by Bob Bielenberg
University of Nebraska, Lincoln, NE

Environmental Policy, Training & Tech

Meeting Room: East Rooms N-O
Presiding: Scott Rogers, Ph.D., Environmental Coordination Engineer, ALDOT, Montgomery, AL

NEPA Policy Impacts for State DOTs
by Mike Ruth, Ph.D.
Federal Highway Administration, Annapolis, MD

Construction Stormwater Training Efforts
by Wes Donald, Ph.D.
Auburn University, Auburn, AL

Advancing UAS Technology at ALDOT
by JD D'Arville
ALDOT, Montgomery, 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 open on Monday, February 10, from 4:00 to 6:00 PM CST and Tuesday, February 11th from 7:00 to 8:30 am for set up.

Exhibitors will be located in East Exhibition Hall 2 where all refreshment breaks and the Welcome Reception will be served.

Prospective exhibitors must register for an exhibit booth before January 24, 2025 at <http://aub.ie/ATC2025EXHIBITOR>.

Sponsorship opportunities are available as well. Items are available for sponsor until Friday, January 10, 2025.

Folding Phone Stand - \$3,000

Conference Notebook - \$3,000

Multifunction Tape Measure - \$3,000

Shopper Tote - \$3,000

To register for a sponsorship, please register at <http://aub.ie/ATC2025SPONSOR>.

For additional information, please visit our website at <https://aub.ie/atap>.

Wednesday, February 12
8:30 to 10:00 AM

Innovations in Maintenance

Meeting Room: Ballroom A/B
Presiding: Eric Christie
State Maintenance Engineer, ALDOT, Montgomery, AL

Tuscaloosa-area Hydrodemolition Project on I-20/59
by Terence Williamson
ALDOT, Tuscaloosa, AL

Rehabilitation of the Duncan Bridge in Winston County
by Ben Snipes
ALDOT, Fayette, AL

Use of Titanium Bars as External Reinforcement to Strengthen Bridge Girders
by Kadir Sener, Ph.D.
Auburn University, Auburn, AL

Geo-Assessment, Performance & Repair
Meeting Room: East Rooms N-O
Presiding: Kaye Chancellor Davis, Deputy State Materials and Tests Engineer, ALDOT, Montgomery, AL

Towards a Warning System for Rainfall-Induced Landslides Along Alabama Highways
by Jack Montgomery, Ph.D.
Auburn University, Auburn, AL

Can you DIGG it and Measure While Drilling
by Desirae Carlton and Stephanie Abbett
ALDOT, Montgomery, AL

Tying Up a Slippery Slope - Using an Anchored Sheet Pile Wall for Slide Repair
by Robert Thompson
Dan Brown and Associates, LLC, Birmingham, AL

Investing in Transportation Infrastructure
Meeting Room: East Rooms D-M
Presiding: Mark Bartlett, Division Administrator Alabama FHWA, Montgomery, AL

Federal Infrastructure Funding Update & Outlook for Surface Transportation Reauthorization
by Matt Reiffer
American Council of Engineering Companies, Washington, DC

U.S. Highway and Bridge Construction Update
by Alison Premo Black, Ph.D.
American Road and Transportation Builders Association, Washington, DC

Discretionary Grant Programs
by Shaun Capps
Federal Highway Administration, Montgomery, AL

Wednesday, February 12
10:30 to 12:00 PM

City and County Engineering

Meeting Room: Ballroom A/B
Presiding: Luke McGinty
President, Association of County Engineers of Alabama, Wetumpka, AL

Enhancing Safety and Efficiency: The Role of Roundabouts on County-Maintained Roads in Jefferson County
by Chris Nicholson
Jefferson County, Birmingham, AL

Design and Construction of Roundabout at CR13 and CR44
by Mark Acreman
Baldwin County, Robertsdale, AL

Recycling and Reclamation: Will It Work Here?
by Ben Bowers, Ph.D.
Auburn University, Auburn, AL

Concrete Solutions
Meeting Room: East Rooms N-O
Presiding: John Sorrell
President, Alabama Concrete Industries Association, Montgomery, AL

Innovations in Concrete and Cementitious Materials for Sustainable Infrastructure
by Larry Rowland
Heidelberg Materials, Irvine, TX

Reconstruction of I-59 with Concrete Solutions
by Will Gray
A.G. Peltz Group, Birmingham, AL

Long-term Creep and Shrinkage of the I-59/I-20 Segmental Bridge in Birmingham
by Anton Schindler, Ph.D.
Auburn University, Auburn, AL

Multimodal Transportation
Meeting Room: East Rooms D-M
Presiding: Craig Williams
President, ASCE Alabama Section, Tuscaloosa, AL

Intermodal Container Transfer Facility (ICTF) in Montgomery, AL
by Doug Otto
Alabama Port Authority, Mobile, AL

Florida Motorcycle Injury Prevention Program
by Chanyoung Lee, Ph.D.
University of South Florida, Tampa, FL

Improving Pedestrian Facilities in 11 Black Belt Towns through the Step-Up Alabama RAISE Grant
by Kathy Gregory, The Fifty Fund, Auburn, AL, and Rod Turochy, Ph.D., Auburn University, Auburn, AL

68th Annual Alabama Transportation Conference

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

February 11-12, 2025

ONLINE REGISTRATION AT: <http://aub.ie/2025atc>

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: _____

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

Early Bird Registration Fee: \$300.00 (ends December 31, 2024)

Regular Registration Fee: \$350.00 (beginning Jan. 1, 2025)

Walk-in Registration Fee: \$400.00

ALDOT Retiree Registration Fee: \$50.00

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

Auburn University is an Equal Opportunity Educational Institutional / Employer

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FORM AND CHECK TO:
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1301 Shelby Center
Auburn, AL 36849-5375