About the Conference

Auburn University’s Department of Civil and Environmental Engineering and the Program Committee have designed the 65th 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 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 am to 10:30 am on the Terrace Level on Wednesday, February 9, 2022. The Opening General Session begins at 10:30 am in the Performing Arts Center. The conference will adjourn Thursday afternoon, February 10, 2022 at 3:30 pm.

Registration and Fee

All persons attending the conference must register. The registration fee of $225 includes all sessions, program materials, refreshment breaks, Trade Exhibit, Welcome Reception and luncheons. ALDOT retiree and student registration fee is $50. To register, please complete the attached registration form, return it by mail to the address indicated or call ATAP at 800-446-0382 or 334-844-4370. Online registration is available at https://aub.ie/atc2022.

Accommodations

Participants are responsible for making their own lodging arrangements. A block of rooms has been reserved at the conference hotel at a rate of $159 plus tax. Reservations can be made until January 8, 2022 at https://aub.ie/hotel-atc2022.
Prospective exhibitors may register for an exhibit booth at Hall C located throughout the upper terrace outside of Exhibit luncheons will be served. Standard sponsors will be where all refreshment breaks, Welcome Reception, and Premium sponsors will be located within Exhibit Hall C 1:30 to 6:30 pm and on Thursday, February 10, from 7:30 pm to 12:00 pm and from 1:30 to 3:30 pm.

Participants from a wide range of transportation-related fields are expected to attend. The exhibit will be open on Wednesday, February 9, from 8:30 am to 12:00 pm and 1:30 to 6:30 pm and on Thursday, February 10, from 7:30 am to 12:00 pm and from 1:30 to 3:30 pm.

Premium sponsors will be located within Exhibit Hall C where all refreshment breaks, Welcome Reception, and luncheons will be served. Standard sponsors will be located throughout the upper terrace outside of Exhibit Hall C.

Prospective exhibitors may register for an exhibit booth at https://aub.ie/atc2022sponsor.
Wednesday, February 9
1:30 pm to 3:00 pm
Traffic Operations
Meeting Room: Exhibit Hall A
Presiding: John Corbell, President
American Society of Civil Engineers
Alabama Section

State of the Regional Traffic Operations Program in Alabama
Brett Sellers
ALDOT, Montgomery, AL

The MUTCD and Current Efforts to Update It
Gene Hawkins, Ph.D.
Zachry Department of Civil and Environmental Engineering
Texas A&M University, College Station, TX

Yellow Clearance Interval Guidance
Alan Davis
Georgia DOT, Atlanta, GA

Asphalt: Addressing Global & Local Issues
Meeting Room: Exhibit Hall B
Presiding: Mel Monk, Executive Director
Alabama Asphalt Pavement Association

Is Asphalt the Answer to Our Plastics Problem?
Brett Williams
National Asphalt Pavement Association, Greenbelt, MD

ALDOT’s Investment in the NCAT Test Track
Randy West, Ph.D.
National Center for Asphalt Technology
Auburn University, Auburn, AL

Innovations in Pavement Preservation
Adriana Vargas Nordcbeck, Ph.D.
National Center for Asphalt Technology
Auburn University, Auburn, AL

Construction
Meeting Room: Performing Arts Center
Presiding: Matt Leverette, State Construction Engineer
ALDOT, Montgomery, AL

Advanced Technologies to Improve Work Zone Safety
Jerry Ullman, Ph.D.
Texas Transportation Institute
Texas A&M University, College Station, TX

e-Construction on the I-4 Ultimate, $2.3 Billion, P-3 Project in Orlando, Florida
Teresa Driskell
Volkert, St. Petersburg, FL

Construction of the City Walk BHAM Project
Steve Haynes
ALDOT, Birmingham, AL

Highway Safety
Meeting Room: Exhibit Hall A
Presiding: Stan Biddick, State Design Engineer
ALDOT, Montgomery, AL

Building Partnerships to Support Community Outreach for Teen Driving Safety
Despina Stavrinou, Ph.D., Department of Psychology
The University of Alabama at Birmingham, Birmingham, AL

Dilemma Zone Length & Location: Surrogate Safety Measures of High-Speed Signalized Intersections: Alabama Case Study
Min-Wook Kang, Ph.D.
Department of Civil, Coastal, and Environmental Engineering
University of South Alabama, Mobile, AL

Smarter Work Zones
Corey Rhodes
Ozark Traffic Management, LLC, Montgomery, AL

Maintenance Innovation and Evaluation
Meeting Room: Exhibit Hall B
Presiding: Stacey Glass, State Maintenance Engineer
ALDOT, Montgomery, AL

SR 175 Thin Lift Asphalt Project
Mel Monk
Alabama Asphalt Pavement Association, Montgomery, AL

Stripping Assessment Program with Software Demo
Andrew Harry
ALDOT, Montgomery, AL

Load Rating Corrugated Metal Culverts with Thin Cover in Anniston, Alabama
Brian Anderson, Ph.D. and Jim Davidson, Ph.D.
Dept. of Civil and Environmental Engineering
Auburn University, Auburn, AL

Construction on the I-4 Ultimate, $2.3 Billion, P-3 Project in Orlando, Florida
Teresa Driskell
Volkert, St. Petersburg, FL

Construction of the City Walk BHAM Project
Steve Haynes
ALDOT, Birmingham, AL

Bridges
Meeting Room: Performing Arts Center
Presiding: Tim Colquett, State Bridge Engineer
ALDOT, Montgomery, AL

The Unwanted Discovery on the Hernando de Soto Bridge in Memphis
Ted Kniazewycz
Tennessee DOT, Nashville, TN

Take Dead Aim: Accurately Predicting Camber in Pre-stressed Concrete Girders
Robert Barnes, Ph.D., Dept. of Civil and Environmental Engineering
Auburn University, Auburn, AL

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

COVID-19 Disclaimer
Exposure to COVID-19 is an inherent risk in any public location where people are present. People who show no symptoms can spread the Coronavirus disease if they are infected, and any interaction with the general public poses an elevated risk of being exposed. By attending this conference, you acknowledge and agree that you assume these inherent risks associated with attending. We cannot guarantee you will not be exposed during the conference.
Thursday, February 10
10:30 am to 12:00 pm

Sustainable Stormwater Solutions
*Meeting Room: Exhibit Hall A*
- Presiding: Nick Franklin, State Stormwater Engineer
  ALDOT, Montgomery, AL

Advances in Post-Construction Stormwater
Bill Hunt, Ph.D.
Department of Biological and Agricultural Engineering
North Carolina State University, Raleigh, NC

GDOT’s Approach to MS4
Brad McManus
Georgia DOT, Atlanta, GA

Guidance Development for Use of Flocculants in Construction
Stormwater Management
Mike Perez, Ph.D., Dept. of Civil and Environmental Engineering
Auburn University, Auburn, AL

Pedestrian and Bicycle Facilities
*Meeting Room: Exhibit Hall B*
- Presiding: Laura Beth Yates, President
  Institute of Transportation Engineers
  Alabama Section

Pedestrian Safety and Facility Design Resources
Rod Turochy, Ph.D., Dept. of Civil and Environmental Engineering
Auburn University, Auburn, AL

STEP for Underserved Communities
Kathy Gregory
The Fifty Fund, Auburn, AL

Funding Opportunities for Pedestrian and Bicycle Facilities
Lee Ann Williams
ALDOT, Montgomery, AL

Innovations in Transportation Geotechnics
*Meeting Room: Performing Arts Center*
- Presiding: Kaye Chancellor Davis, State Geotechnical Engineer
  ALDOT, Montgomery, AL

Impacts and Remediation of Expansive Clays: Lessons Learned from AL 5
Brian Anderson, Ph.D., Dept. of Civil and Environmental Engineering
Auburn University, Auburn, AL

MSE Wall Design for Highway/Bridge Projects (with AASHTO LRFD 202 Updates)
Robert Johnson
Tensar Corporation, Atlanta, GA

ALDOT Geotechnical Division—Introductions, Definitions, and Communication
Renardo Dorsey
ALDOT, Montgomery, AL

Thursday, February 10
1:30 pm to 3:00 pm

Multimodal Transportation
*Meeting Room: Exhibit Hall A*
- Presiding: Clay McBrien
  Assistant Chief Engineer for Policy & Planning
  ALDOT, Montgomery, AL

Alabama USA Corridor: A Supply Chain Solution and Economic Development Strategy for Alabama
Darrell Wilson
Norfolk Southern Government Relations, Washington, D.C.

Transit on Grow
Charlotte Shaw
Birmingham-Jefferson County Transit Authority, Birmingham, AL

2020 Alabama Airport System Plan and Economic Impact Study
Frank Farmer
ALDOT, Montgomery, AL

Concrete Solutions
*Meeting Room: Exhibit Hall B*
- Presiding: John Sorrell, President
  Alabama Concrete Industries Association

Cement Stabilization of Reclaimed Runway Pavement at the Tuscaloosa National Airport
Darren Duckworth
Atkins North America, Inc., Nashville, TN

Roller Compacted Concrete Shoulders on I-59 in Birmingham
Will Gray and Chris Carwie
AG Peltz, Birmingham, AL

Keys to Successful Concrete Intersections
Amanda Hult
National Ready Mixed Concrete Association, Orange Park, FL

City and County Engineering
*Meeting Room: Performing Arts Center*
- Presiding: John Mark Davis, President
  Association of County Engineers of Alabama

New LPA Design Policies for City and County Projects
Adam Sanford
ALDOT, Montgomery, AL

Update on Local Road Safety Plan Initiative
Laura Beth Yates and Tracy Lehman
Kimley-Horn, Birmingham, AL

Changes in Urbanized Area Boundaries
Bryan Fair
ALDOT, Montgomery, AL