Following last year’s virtual LTC, the 2023 Louisiana Transportation Conference finally convened in person again at the Raising Cane’s River Center, drawing in over 1,700 transportation professionals, academia, retirees, and students. With the theme Partnerships for Delivering a Safe, Equitable, and Sustainable Transportation System, attendees were able to choose from over 80 sessions, attend networking events, and visit a variety of exhibition booths and displays.

DOTD Secretary Eric Kalivoda, Ph.D., gave welcoming remarks as well as the State of the Department Address. Chief Engineer Christopher Knotts spoke on the impacts of construction inflation, while Deputy Assistant Secretary of Planning Connie Betts gave an update on the Louisiana Statewide Transportation Plan. Following the Transportation Awards Ceremony, Governor John Bel Edwards delivered the keynote as he presented his state address marking the beginning of the conference.

continued on page 2
With three days of concurrent sessions, conference attendees had many topics of interest to choose from—the most popular being the “I-10 Baton Rouge Corridor” session. Presenters Bob Schmidt (Huval & Associates), Sherri LeBas (GEC), and GJ Schexnayder (Boh Bros. Construction Co., LLC) discussed the I-10 widening and reconstruction from six to eight lanes, including bridge replacement and rehabilitation, interchange and ramp modifications, shoulder widening, and auxiliary lanes from LA 415 to Essen Lane. I-10 and I-12 College Drive Exit improvements were also presented.

Session 2’s “CMAR—Benefits and Lessons Learned on Two Multimodal Projects” also gained a lot of attention from attendees. Presenters discussed the benefits of and lessons learned using the Construction Management at Risk (CMAR) process on two dock projects: one at the Lake Charles Port, Harbor and Terminal District and another at the St. Bernard Port, Harbor and Terminal District.

The third most-attended session was “Drones and DOTD—The Possibilities” where presenters shared some of DOTD’s Location and Survey Section’s recently incorporated drone projects, including imagery, elevation data, and stockpile volume calculations. A short demo flight field demonstration was also given.

Additional sessions of interest to note included “Critical Projects,” “Complete Streets at DOTD,” and the Construction Roundtable.

LTRC would like to thank our sponsors, speakers, moderators, exhibitors, and attendees for making this in-person event a success—it would not be possible without such investments and contributions.

Mark your calendars for our next LTC March 16-19, 2025. And be sure and visit the LTC photo gallery at https://ltrc.smugmug.com/2023-Louisiana-Transportation-Conference.

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**SPECIAL EVENT**

**Transportation Awards and Recipients**

**Louisiana Work Zone Excellence Awards**

**Less than a one deficiency average on jobs (2021 and 2022)**
- District 02—Unit 202, Joseph Robert
- District 03—Unit 293, Sam Miller
- District 04—Unit 254, Michael A. Nelson
- District 07—Unit 207, Tyson Thevis
- District 08—Unit 208, Steve Buskie
- District 58—Unit 221, Bridget Ellerbe
- District 62—Unit 230, Christian Boutte

**Less than a one deficiency average on jobs (2021 and 2022)**
- District 03 and District 08

**Work zone excellence in an urban area**
- H.002622.6—LA 616 (Arkansas Rd) Widening and Roundabouts
- Chris Wing, Gilchrist Construction Company

**Work zone excellence in a rural area**
- H.002798.6—Bayou Teche Bridge (Oaklawn)
- Nicholas Ray, Shavers-Whittle Construction

**Best Traffic Control Supervisor**
- Jill Hilldebrand, Earnest Contracting

**DOTD Transportation Excellence Awards**

**Bridge Design/Project Development**
- LA 1: Leeville to Golden Meadow Phase 2

**Road Design/Project Development**
- I-10: Texas State Line to Coone Gully

**Intermodal/Public Works Design/Project Development**
- Port of Baton Rouge Container Yard Expansion

**Bridge Construction**
- I-20/I-220 Barksdale Air Force Base Interchange
Quality of Life/Community Development
Bayou Barataria MB Replacement Phase I

Operations Excellence
The ROADEO 3rd Place Finish

SASHTO Scholarship Awards
Luke Bell, Louisiana Tech University; George Caulfield, Louisiana State University; Lemoyne Cobb, Jr., Southern University; Beau Coco, Louisiana Tech University; Connor Moyer, McNeese State University; Paul Kraus, McNeese State University; Tamara Lepore, University of New Orleans; Claire LeBlanc, University of Louisiana at Lafayette; Karlee Nunez, McNeese State University; and Ryan Phillipot, Louisiana Tech University

DOTD Innovation Awards
2022 Southeast Regional Equipment Operator’s Safety and Training Conference (ROADEO)
- Daniel Thibodeaux, District 03—1st place in the Single Axle Dump Truck event
- Joe Trahan, District 07—1st place in the Tandem Axle Dump Truck event
- Preston Brock, District 05—3rd place in the Tractor/ Mower event
- Louisiana won 3rd place in the overall team competition

2022 Innovations Showcase Winners
Tools and Work Processes
1st Place | District 03 “Rut Buster Hot Mix Gate”
Dwayne Dugas, Layne Darby, and Ty Hargroder
2nd Place | District 03 “Swivel Beacon Lights”
Dwayne Dugas, Layne Darby, Ty Hargroder, and James Louviere
3rd Place | District 07 “Sign Pole Stabilizer”
Joseph Trahan and Patrick Cusey

Software or Technical
1st Place | District 07 “Geaux Preaux”
Ben Boudreaux, Bryan Howard, Jonathin Carlin, and Andre Ange
2nd Place | District 07 “Survey Data to Geodatabase”
Jules Toups, Michael McKeivier, Brennan Marque, and Ty Orgeron
3rd Place | District 07 “District Letting Schedule”
Vicki Ponthieux

2022 Secretary’s Safety Award
District 03 “Swivel Beacon Lights”
Dwayne Dugas, Layne Darby, Ty Hargroder, and James Louviere

2022 People’s Choice Award
District 07 “Culvert Cleaner”
Michael Broussard, Greg Lejeune, and Patrick Arrant

LTRC Foundation Chair Ken McManis, Ph.D., P.E., presents the 2023 Senior Design Project Presentation Award to Louisiana Tech University’s Nazimuddin “Wasi” Wasiuddin, Ph.D., P.E., accepting on behalf of the LA Tech senior design team.
Thank you to our Sponsors

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Gold

Coffee Sponsors

Silver

Bronze

Special thanks to the following companies for sponsoring the Sunday evening Speaker Reception:

- Ergon Asphalt and Emulsions
- Diamond B Construction Co., LLC
- Material Resources, Inc.
- Brudd Construction
- Prairie Contractors, LLC
- Madden Contracting Co Inc
- Music Provided by Mobile Beats
By the Number

160 feet of Roman road

Nathalie Roy, teacher at Glasgow Middle School, recently reached out for assistance in a special project for her Roman Technology class—a Roman road. Using techniques the ancient Romans used, she called upon the expertise of Associate Director, Research Tyson Rupnow, Ph.D., P.E., and the LTRC concrete lab. Dr. Rupnow teamed up with Roy and her class, assisting with proper techniques, providing supplies, and teaching students how to work with various materials, so they could meet their goal on time. “This project fits squarely within the public outreach mission of the center,” Dr. Rupnow said. “This has been one of the most fun projects I have worked on in a number of years. These students give me hope because they worked extremely hard for this,” he said. “They soaked up knowledge.”

5 new employees

LTRC has welcomed five new faces in only a few months: Education Outreach Program Manager Stacey Wilton, Maintenance Training Program Manager/District Training Liaison Keith Antee, Concrete Research Manager Zhen Liu, Engineering Technician 5 Ray Kimble, and LTAP and LRSP Crash Data Engineer Peter Allain (not pictured).

2 TRB award winners

Assistant Professor, Research, Planning/Intermodal Research Manager Ruijie “Rebecca” Bian, Ph.D.; Asphalt Research Engineer Saman Salari, P.E.; and Materials Research Administrator Samuel B. Cooper, III, Ph.D., P.E. were recognized for winning TRB best papers. Dr. Bian received the TRB AMR20 Best Paper Award 2023 and Dr. Cooper and Salari received the TRB AKM20 Paper Award Honorable Mention.

70 headshots taken

Please visit our website at https://www.ltrc.lsu.edu/staff.html to view our recently updated Staff Listing page—now showcasing the entire LTRC staff. And thank you to Photographer/Videographer Chris Melton for all your hard work!
Statewide Strategic Program Manager Garrett Wheat, Ph.D., spoke at the ATD TK Conference in New Orleans as well as the ATD Baton Rouge chapter’s luncheon on the topic of “How to Blend Asynchronous and Synchronous Training With Digital Tools.”

Ruijie “Rebecca” Bian, Ph.D., proposed (and moderated) one conference session at the 2023 National Hurricane Conference held in New Orleans. The session looked into making good use of human mobility data, building Louisiana’s EV infrastructure with resilience in mind, and improving structural safety for offshore wind farms. The speakers met with emergency managers from all over the country and talked about the connections between transportation and energy infrastructure to build up our infrastructure resilience in future storms.

Association of Asphalt Paving Technologist (AAPT) Honorary Membership Award was conferred on Professor and SRPC Director Louay N. Mohammad, Ph.D., P.E., at the association annual meeting held in San Antonio, TX. Honorary members in AAPT are those people recognized by vote of membership as having outstanding eminence and of long life experience in the practice of asphalt science and paving technology. The Association of Asphalt Paving Technologists (AAPT) is a global community of researchers and practitioners that serves as a central forum for communication, networking, and exchange of ideas to advance the body of knowledge and state of the practice in asphalt science. With over 800 members from every continent in the world, AAPT is renowned for advancements in asphalt science and paving technology. Dr. Mohammad is the first recipient of this award from LSU and the State of Louisiana.

Congratulations to Chris Mertz on his promotion to Engineering Technician–DCL.

LTAP Director Steve Strength along with Program Manager Courtney Dupre and Local Road Safety Program Manager Leo Marretta were among the Louisiana delegates who participated in the six-state, FHWA-led peer exchange on “Focusing on Reducing Rural Roadway Departures” (FoRRRwD) Peer Exchange held at the New Orleans Regional Transportation Management Center (RTMC) on April 5-6.

Congratulations to Dimetrie Chopin on being selected as Section 33’s newest PCC/Structural Training Program Manager Tech DCL.

Associate Director Vijaya (V.J.) Gopu, Ph.D., P.E., was a keynote speaker at the 2023 International Conference on Reinforced Plastics held in Mumbai, India. Dr. Gopu also served as a member of the advisory board for Southern Plains Transportation Center (SPTC) housed at the University of Oklahoma. SPTC is a Regional University Transpiration Center.

Congratulations to Senior Geotechnical Research Engineer Gavin Gautreau, P.E., on being elected to the position of Second Vice President of the State Board of the Louisiana Engineering Society (LES).
Recently Published

Final Report and Technical Summary 664 (18-4GT)
Geotechnical Asset Management for Louisiana
Gavin P. Gautreau, P.E.; Adele Lee, GISP; and Nick Ferguson, P.E.

Final Report and Technical Summary 671 (19-1P)
Application of Mechanistic-Empirical Pavement Design Approach into RCC Pavement Thickness Design
Zhong Wu, Ph.D., P.E., and Moinul Mahdi, Ph.D.

Final Report and Technical Summary 672 (20-1SS)
The Future of the Louisiana Waterways Transport System: A System Analysis and Plan to Move Commerce by Water
Ricardo Cruz, Jonathan Hird, P.E., and Stephen R. Barnes, Ph.D.

Final Report and Technical Summary 675 (19-1GT)
Maintenance of Roadway Edge Drop-Off Utilizing Readily Available Materials
Gavin P. Gautreau, P.E., and Nicholas Ferguson, P.E.

Final Report and Technical Summary 677 (20-3SA)
Minimum Intersection Illumination
Hany Hassan, Ph.D., and Hisham Abdu Kunnah

Project Capsule 22-1B
Evaluation of Saturates/Aromatics/Resins/Asphaltenes (SARA) Fractionation of Asphalt Binders in Louisiana
Saman Salari, P.E.

Project Capsule 23-1B
Effect of Fillers on the Moisture Resistance and Performance of HMA
Mostafa Elseifi, Ph.D., P.E.

Project Capsule 23-2B
Evaluation of Non-Destructive Test Pilot Projects
Moses Akentuna, P.E.

Project Capsule 23-3B
Effect of Longitudinal Joint Construction and Density on Asphalt Pavement Performance—Phase I – State of the Practice
Moses Akentuna, P.E.

Project Capsule 23-1GT
LiDAR for Geotechnical Applications
Gavin P. Gautreau, P.E.

Project Capsule 23-4SS
Statewide Non-Motorized Traffic Monitoring Study
Ruijie “Rebecca” Bian, Ph.D., P.E.

Project Capsule 23-5SS
Improved Incident Response through Coordinated, Interoperable Communications
Milhan Moomen, Ph.D.

To download a complete list of LTRC publications, visit the website at www.ltrc.lsu.edu.
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