



Kansas Transportation Engineering
Conference

102nd Annual

Kansas Transportation Engineering Conference

April 14 and 15, 2020

K-State Student Union
Carl R. Ice College of Engineering Building
Manhattan, Kansas

<https://conferences.k-state.edu/transportation/>

Sponsored by

Kansas Department of Transportation (KDOT)
Kansas County Highway Association (KCHA)
Kansas Chapter, American Public Works Association (APWA)
Kansas Association for Uniform Traffic Control (KAUTC)
Federal Highway Administration (FHWA)
University of Kansas Transportation Center (KUTC)

Tuesday, April 14

- 7:00-8:00** **Exhibitor Move-In**
Main/West Ballroom, Second Floor
- 8:00-8:50** **Registration and Refreshments, Coffee**
Second Floor Concourse (Registration), Main/West Ballroom (Refreshments), Courtyard Lobby (Coffee)
Lanyards sponsored by Bartlett and West
Koozies sponsored by Alfred Benesch and Company
Coffee sponsored by TranSystems and HDR Engineering
- 8:00-12:00** **Trade Show Hours**
Main/West Ballroom, Second Floor

Session I

Forum Hall

Burt Morey, P.E., Deputy Secretary and State Transportation Engineer, Kansas Department of Transportation, Topeka, KS presiding

- 8:50-9:00** **Welcome to Guests**
Gary Clark, P.E., Interim Dean of Engineering, Kansas State University, Manhattan, KS
- 9:00-9:30** **KDOT Update**
Lindsey Douglas, Deputy Secretary, Kansas Department of Transportation, Manhattan, KS
Maggie Doll, Deputy Secretary, Kansas Department of Transportation, Manhattan, KS
- 9:30-10:00** **FHWA Update**
- 10:00-10:40** **Break with Exhibitors**
Main/West Ballroom, Second Floor

Session II-A

Forum Hall

Ron Seitz, P.E., Director of Engineering and Design, Kansas Department of Transportation, Topeka, KS presiding

- 10:45-11:15** **Turner Diagonal Design Build Engineering**
Rex Fleming, P.E., Engineering Program Manager, Kansas Turnpike Authority, Topeka, KS
- 11:25-11:55** **North Vine Street Roundabout Design, Hays, KS**
David Church, P.E., Senior Traffic Engineer, WSP, USA Inc., Kansas City, MO

Session II-B

K/S Ballrooms, Second Floor

Jason Peek, Public Works Director, City of Topeka, Topeka, KS presiding

10:45-11:15 Forensics Investigation for High Mast Illumination Pole Failures

Caroline Bennett, P.E., Ph.D., Professor, University of Kansas, Lawrence, KS

11:25-11:55 Implementation of Traffic Signal Preemption for Emergency Services

Shawn Gotfredson, P.E., Supervisory Civil Engineer, City of Overland Park, Overland Park, KS

12:00-1:15 Professional Engineers in Government (PEG) Luncheon

Main/West Ballroom, Second Floor

Crown Rolls Sponsored by PEC and TranSystems

Gary Janzen, P.E., City Engineer/Assistant Director of Public Works & Utilities, City of Wichita, Wichita, KS, presiding

The Future Tolling in Kansas

Steve Hewitt, Chief Executive Officer, Kansas Turnpike Authority, Wichita, KS

12:00-1:15 Ladies Luncheon

Holiday Inn at the Campus, President's Room (Lobby Level)

Must be registered to attend.

1:30-4:30 Trade Show Hours

Main/West Ballroom, Second Floor

Session III-A

Forum Hall

Leroy Koehn, P.E., District 1 Engineer, Kansas Department of Transportation, Topeka, KS presiding

1:30-2:00 Accessibility Issues for the Blind & Physically Disabled

Deb Tegethoff, Lead Guide Dog Trainer, KSDS Assistance Dogs, Inc., Washington, KS

Annette Kohlmeyer, Lead Guide Dog Trainer, KSDS Assistance Dogs, Inc., Washington, KS

2:10-2:40 Effectiveness of "Entertaining, Non-Traffic Related Messages" on Dynamic Message Signs

Alexandra Kondyli, Assistant Professor, University of Kansas, Lawrence, KS

2:40-3:00 Break with Exhibitors

Main/West Ballroom, Second Floor

Call Hall Ice Cream Sponsored by MHS Surveying, Affinis Corp, Burns & McDonnell, HNTB and WSP

Session IV

Forum Hall

Sara Peters, P.E., Design Manager (President), GBA Systems Integrators (KAUTC), Lenexa, KS

3:00-3:45 2019 Historic Flooding in Nebraska, Cause, Response and Recovery
Mark Traynowicz, P.E., State Bridge Engineer, Nebraska Department of Transportation, Lincoln, NE

3:45-4:30 Workforce Development – Panel Discussion
Moderator – Ron Seitz, P.E., Director, Division of Engineering and Design, Kansas Department of Transportation, Topeka, KS
Maggie Doll, Deputy Secretary, Kansas Department of Transportation, Topeka, KS
Deb Miller, Director, KU Public Management Center, Lawrence, KS
Peter Clark, P.E., Public Works Director/County Engineer, Pottawatomie County, Westmoreland, KS

5:00-6:00 Social Hour
Carl R. Ice College of Engineering Building
Sponsored by Contech Engineered Solutions, LLC

Wednesday, April 15

8:00-8:45 Refreshments and Coffee
Main/West Ballroom (Refreshments), Courtyard Lobby (Coffee)
Coffee sponsored by TranSystems and HDR Engineering

8:00-12:00 Trade Show Hours
Main/West Ballroom, Second Floor

Session V

Forum Hall

Chris Herrick, P.E., Director, Division of Planning and Development, Kansas Department of Transportation, Topeka, KS presiding

8:45-9:25 Safe Mobility for All through the Eyes of a Non-Engineer
Susan Herbel, President, SBH Consult, Fort Myers, FL

9:25-10:05 Learning from the May 28, 2019 EF4 Linwood, KS Tornado, and Examining Adoption Potential of Above-Code Performance for Residential Buildings
Elaine Sutley, PhD, Chair's Council Assistant Professor in Structural Engineering, University of Kansas, Lawrence, KS

10:05-10:35 Break with Exhibitors
Main/West Ballroom, Second Floor

Session VI-A

Forum Hall

Alvin Perez, Riley Country Public Works Department, Manhattan, KS presiding

10:35-11:05 Sustainable Technologies for Replacing and Rehabilitating Corroded Steel Pipes
Jie Han, P.E., Ph.D., Professor, University of Kansas, Lawrence, KS

11:15-11:45 What on Earth are performance engineered mixtures?
Peter Taylor, P.E., Director, CPTEch Center, Iowa State University, Ames, IA

Session VI-B

K/S Ballrooms, Second Floor

Richard Jurey, Project Delivery, Team Leader, Federal Highway Administration, Kansas Division, Topeka KS presiding

10:35-11:05 Emergency Relief (ER) for Kansas Counties' Flooding 2019
Nelda Buckley, P.E., Road Team Leader, Local Projects, Kansas Department of Transportation, Topeka, KS

Local Projects – Emergency Relief

Steve Toillion, Division Bridge Engineer, Federal Highway Administration, Topeka, KS

11:15-11:45 Guardrail Evaluation for Hazards on Low-volume Rural Roads in Kansas
Peng Wang, Graduate Teaching Assistant, Department of Civil Engineering, Kansas State University, Manhattan, KS

11:45-1:15 Lunch (on your own)

12:00-1:15 Ladies Luncheon
Carl R. Ice Engineering Building, Women in Engineering Conference Rm, 1093 Fiedler Hall
Must be registered to attend.

Session VII-A

Forum Hall

Steve Schrock, Ph.D., P.E., Director, University of Kansas Transportation Center, Lawrence, KS presiding

1:15-1:45 Awareness: How AI Inspects Infrastructure
Ben Lindner, Director of Operations and Innovations, GBA (Alynix), Lenexa, KS

1:55-2:25 Developing and Implementing a Context Classification System
Paul Hiers, P.E., Manger, Production Support Office, Florida Department of Transportation, Tallahassee, FL

Session VII-B

K/S Ballrooms, Second Floor

Brett Letkowski, P.E., Senior Vice President, The American Council of Engineering Companies (ACEC), Wichita, KS presiding

1:15-1:45 Emergency Vehicle Load Rating and Posting

Colby Farlow, P.E., Local Bridge Team Leader, Kansas Department of Transportation, Topeka, KS

1:55-2:25 Roadside Streambank Rehabilitation

Phil Balch, President, Wildhorse Riverworks, Inc., Topeka, KS

Session VIII

Forum Hall

Dr. Eric J. Fitzsimmons, P.E., Assistant Professor and Conference Director, Kansas State University, Manhattan, KS, presiding

2:35-3:05 Missouri Hyperloop Feasibility Study

Jeff McKerrow, P.E., Industry Expert-Transportation, Olsson, Overland Park, KS

3:05-3:35 Kansas Bridge Collisions/ Johnson Drive over I-435 Emergency Bridge Repairs

Samantha Kevern, P.E., Senior Project Engineer, HNTB, Kansas City, MO

Donald Whisler, P.E., Bridge Inspector Engineer, Kansas Department of Transportation, Topeka, KS

3:35-3:45 Closing Remarks

Dr. Eric J. Fitzsimmons, P.E., Assistant Professor and Conference Director, Kansas State University, Manhattan, KS

Future Conference Dates

2021: 103rd Annual, April 13-14, 2021

2022: 104th Annual, April 12-13, 2022

2023: 105th Annual, April 11-12, 2023

2024: 106th Annual, April 9-10, 2024

2020 Conference Planning Committee

Eric J. Fitzsimmons, Ph.D., P.E., Conference Director, KSU

David Behzadpour, M.S., P.E., Chair, KDOT

Tony Menke, KDOT

Lisa Harris-Frydman, KUTC

Ed Thornton, FHWA

Nelda Buckley, KDOT

Andrew Spencer, KDOT

Susan Barker, KDOT

Matt McQuality, Geotechnology

Deb Tanking, KDOT

Kelli Park Fuhrmann, KSU

Clay Adams, KDOT

