



72ND ILLINOIS
TRAFFIC ENGINEERING
AND SAFETY CONFERENCE

October 18-19, 2023

iHotel and Conference Center - Champaign, IL



I CEE AT ILLINOIS



Illinois Department of Transportation





On behalf of the program planning committee and my colleagues at the University of Illinois Urbana-Champaign, I would like to welcome you to the 72nd annual Traffic Engineering and Safety (TES) Conference. This conference has been the premier meeting in the Midwest region for transportation and safety professionals. It is a great place to network with colleagues and clients, discuss ideas and issues with experts, gain job-related knowledge and know-how, meet with students, and renew your sense

of professional purpose. I trust that you will enjoy the diverse array of technical presentations, agency and industry updates, interactive exhibits, and the social event at this year's conference.

The program committee welcomes your comments and suggestions for future conferences.

Ray Benekohal, Director

University of Illinois at Urbana-Champaign
Department of Civil & Environmental Engineering

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Program Committee

Kyle Armstrong, *IDOT*
Ray Benekohal, *U of I/CEE*
John Bogues, *ATSSA*
Tom Brengel, *ISP*
Martha Brown, *IDOT*
Abraham Emmanuel, *CDOT*

Alan Ho, *FHWA*
Doug Keirn, *IAHE*
Scott Lee, *ITS Midwest*
Adam Lintner, *Tollway*
Doug Pershall, *IMSA*
Tom Szabo, *ITE*

Save the Date



73RD ILLINOIS
TRAFFIC ENGINEERING
AND SAFETY CONFERENCE

October 23-24, 2024

iHotel Conference Center - Champaign, IL

**7:30 Registration and Coffee/Breakfast
Exhibit Hall - Illinois Ballroom**

General Session

Location: Chancellor Ballroom
Moderator: Christopher J. Hall
Deputy Division Administrator, FHWA-Illinois Division

9:00 Opening Remarks

Ray Benekohal
Conference Director
Professor, Civil & Environmental Engineering
University of Illinois at Urbana-Champaign

9:05 Safe Streets and Roads for All (SS4A)

Nithin Kalakuntla
Bi-State Regional Commission
Sydney Turner
Region 1 Planning Council

9:45 Tollway Update

Manar Nashif
Chief Engineering Officer, Illinois Tollway

10:20 Break

10:50 The NRSS Call to Action – Implementing the Safe System Approach

Jeff Shaw
Intersection Safety Program Manager, FHWA HQ Office of Safety

11:25 IDOT Update

Stephen Travia
Director, Office of Highways Project and Implementation, IDOT

**12:05 Luncheon
Brightline Trains: Lessons Learned from Expanding Passenger Rail in the United States**

Tom Roadcap
Project Engineer, Brightline

Safety Performance & Services

Operations & Management

Traffic/Signal

Location: Lincoln Room
Moderator: Nathan Peck, *Work Zone Safety Engineer, Bureau of Safety, IDOT*

Location: Alma Mater Room
Moderator: James Kyte, *Engineering Team Leader, FHWA*

Location: Chancellor Ballroom
Moderator: Bini William, *ITS Midwest President, Director of Engineering & Design Services, Parsons Corporation*

1:45 HSIP Intersection Initiative (State & Local)
Katherine Beckett-Suter
IDOT
Sean Coyle
Jacobs

Chicago Travel Advisory Website-Serving Both Freight and General Traffic
Preston Judkins
Parsons Corporation

History of ITS on Illinois Tollway
Adam Lintner
Illinois Tollway
Jeff Hochmuth
CSM Smith

2:20 Vulnerable Road User (VRU) Assessment
Juan Pava
IDOT
Mahdi Rajabi
Jacobs

City of Chicago Public Way Permit Coordination Process
Jai Kalayil
CDOT

APS General Experience and Operation Policy OPS-T-13
Kyle Armstrong
IDOT
Stephen Letsky
IDOT

2:55 Break in Exhibit Hall (Illinois Ballroom)

3:25 Countywide Crash Study
Brian Roberts
Cook County DOTH

Navigating Challenges: The Central Tri-state Tollway (I-294) Southern Section Reconstruction
Laura Thompson
Illinois Tollway
Shelli Schweickert
Burns & McDonnell

SMART Emergency Vehicle Lighting
Sergeant Thomas Brengel
Illinois State Police

4:00 Virtual Reality Presentation
Dan Smith
MoDOT
Zhu Qing
University of Missouri

Illinois Truck Parking Information Management System
Kevin Price
IDOT

Chicago's New Bike Strategy Plan
David Smith
CDOT

4:35 Safety Lighting & EDC-7 Nighttime Visibility for Safety
Bernie Griffin & Marshall Metcalf
IDOT
Todd Schmidt
FHWA-IL CUSO

Illinois Certification and Research Track
John Senger
IDOT

Connected Vehicle Pilot Update
Khalid Menawi
Illinois Tollway
Scott Lee
TranSmart Technologies, Inc.

5:10 Reception and Raffle in Exhibit Hall (Illinois Ballroom)

7:00 **Registration and Coffee/Breakfast**
Chancellor Ballroom

General Session

Location: Chancellor Ballroom
Moderator: Scott Lee, *Chief Engineer of Innovation and Technology, TranSmart Technologies, Inc.*

8:00 **Illinois State Police Update**
 Lieutenant Joseph Hutchins
Legal Office, Illinois State Police
 Lieutenant John C. Thompson
Illinois State Police

8:35 **Last Mile Communications: How to Reach Isolated Areas and Communities Without Busting Your Budget**
 Jamie Gilbert
Tekniam Corporation

9:10 **EV Infrastructure Upgrade Plans**
 Sean S. Wiedel
CDOT

9:50 **Break**

10:10 **The New Finalized Public Rights-of-Way Accessibility Guidelines (PROWAG): How Does This Affect Our Design and Implementation?**
 Fred Wismer
Kittelson & Associates, Inc.

10:45 **Tollway's Weigh-in-Motion with Tire Anomaly Classification System and Over Height Vehicle Detection**
 Rob Glaz
Illinois Tollway
 Michel Lavigne
Ardmore Roderick
 Master Sergeant Jerad Klint
Illinois State Police

11:35 **Incident Management**
 Lieutenant Mike Link
Illinois State Police
 Major Ryan Starrick
Illinois State Police

12:15 **Evaluations & Adjourn**

Post-Conference Innovative Intersections Workshop
 *Pre-registration required to attend

Thursday, October 19, 2023
Chancellor Ballroom
1:00 - 5:00pm

Moderator:
 Alan Ho, *FHWA*
Introduction:
 Marshall Metcalf, *IDOT*
Presenters:
 Doug Keirn, *IDOT*
 Elliott Moore, *FHWA*
 Matt Papirnik, *AECOM*

This year's post-conference workshop will cover other Innovative Intersection Designs, including but not limited to, Jturns/RCuts, and diverging diamonds. Learn the basic principles of their designs, how they work, their safety benefits, and where they would be appropriate. The presenters will share experiences on implementing alternative intersections in Illinois and other states.



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