



71ST ILLINOIS TRAFFIC ENGINEERING AND SAFETY CONFERENCE

October 19-20, 2022

iHotel and Conference Center - Champaign, IL



HIGHWAY CAPACITY MANUAL

7TH EDITION | A GUIDE FOR MULTIMODAL MOBILITY ANALYSIS

VOLUME 1: CONCEPTS

The National Academies of Sciences, Engineering, and Medicine



I CEE AT ILLINOIS



Illinois Department of Transportation



Director's Welcome



On behalf of the program planning committee and my colleagues at the University of Illinois at Urbana-Champaign, I would like to welcome you to the 71st 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. We are back to in-person meetings and post Covid19 operation mode. 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

I CEE AT ILLINOIS

Program Committee

Kyle Armstrong, *IDOT*
Ray Benekohal, *U of I/CEE*
Jeffrey Birch, *IACE*
Abraham Emmanuel, *CDOT*
Alan Ho, *FHWA*
Maureen Kastl, *IAHE*
Scott Lee, *ITS Midwest*

Adam Lintner, *Illinois Tollway*
Doug Pershall, *IMSA*
Joseph Rush, *ISP*
Thomas Safford, *ATSSA*
Thomas F. Szabo, *ITE*
Cynthia Watters, *IDOT*

Save the Date



72ND ILLINOIS
TRAFFIC ENGINEERING
AND SAFETY CONFERENCE

October 18-19, 2023

iHotel Conference Center - Champaign, IL

7:00 **Registration and Coffee/Breakfast**
Exhibit Hall - Illinois Ballroom

General Session

Location: Chancellor Ballroom
Moderator: David Snyder, *FHWA*

8:55 **Opening Remarks**
Ray Benekohal
Conference Director
Professor, Civil & Environmental Engineering
University of Illinois at Urbana-Champaign

9:00 **I-57/I-74 Interchange Update**
Clare Dietz
Civil Engineer, District 5, IDOT
Jason Smith
Construction Supervisory Field Engineer, District 5, IDOT

9:35 **Updating Google Street View**
Nathan Schwartz
County Engineer, DeKalb County

10:10 **Break**

10:30 **FHWA Update**
Martin Knopp, *Associate Administrator for Operations, FHWA - Washington, DC*
Mark Kehrl, *Director of Operations FHWA - Washington, DC*
Kevin Sylvester, *MUTCD Team Leader, FHWA - Washington, DC*

11:05 **IDOT Update**
Justan Mann
Deputy Director of Highways, IDOT

11:40 **Tollway Update**
Cassandra Rouse
Executive Director, Illinois Tollway

12:15 **Luncheon**
Answering Questions: ISP AND IDOT Working Together for Safety
Trooper Jason Wilson
Public Information & Safety Officer, Illinois State Police

Wednesday 10/19/2022

Safety Performance & Services

Location: Lincoln Room

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

Operations & Management

Location: Alma Mater Room

Moderator: Rick Johnson, *IACE President and Coles County Engineer*

Traffic/Signal

Location: Chancellor Ballroom

Moderator: Kalpana Kannan-Hosadurga
Arterial Traffic Operations Engineer, IDOT District 1

1:45 **Owning and Maintaining Kane County's Roundabouts**

Jennifer O'Connell, P.E.

Chief of Design

Kane County Division of Transportation

Michael Zakosek

Assistant County Engineer

Kane County Division of Transportation

Emerging Size/Weight Technologies

Tammy A. Hovey

Analysis Technician, Bureau of Operations

IDOT

Illinois Statewide Advanced Traffic Management Systems (ATMS) Update

Terrence M. Heffron

ITS Unit Manager, IDOT

2:20 **SHSP - The Next Steps**

Martha A. Brown

Safety Policy & Initiatives Engineer,

Bureau of Safety Programs and

Engineering, IDOT

Chicago Smart Lighting Project

Craig Turner, P.E., PLS

Deputy Commissioner,

Division of Electrical Operations

Chicago Department of Transportation

Smart Traffic Signals/APS

Tyler Krage

Supervisor of Traffic Signal Section

Chicago Department of Transportation

2:55

Break in Exhibit Hall (Illinois Ballroom)

3:25

Crash Modification Factors for Contrasting Pavement Markings

Marshall Metcalf
Project Implementation Unit Chief, Bureau of Operations, IDOT
Dr. Michael Williamson
Associate Professor, Civil Engineering Indiana State University

Illinois TSMO Program Plan

Kyle Armstrong
Engineer of Traffic Operations, IDOT
Jeff Bagdade
Northeast Division Manager Atkins

New Intelligent Traffic Signal Technologies

Christos Achillides
Associate Vice President Iteris
Todd Downs
Solutions Manager - MoboTrex
Brian Plum
Territory Sales Manager Traffic Control Corporation

4:00

BSPE Safety Tools

Katherine Beckett Suter
Senior Safety Evaluation Engineer, Bureau of Safety Programs and Engineering, IDOT

Using Third-Party Data to Improve Mobility

Steve Mednis
General Manager of Traffic and Incident Management Illinois State Toll Highway Authority

Chicago Connected Vehicles Pilot

Abraham Emmanuel
Deputy Commissioner, Traffic Safety & Technology, CDOT
Kevin Finley
Network Engineer, Parsons

4:35

HSIP - The Process to Follow

Kelli Erickson
Safety Design Evaluation Engineer, Bureau of Safety Programs and Engineering, IDOT
Sean Coyle
Safety Analyst Jacobs Engineering

Highway Capacity Manual 7th Version

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

Illinois Tollway Connected Vehicle Pilot Update

Robert J. Glaz
ITS Manager Illinois State Toll Highway Authority
Jeff Hochmuth
Senior ITS Engineer CDM Smith

5:10

Reception and Raffle in Exhibit Hall (Illinois Ballroom)

7:00

Registration and Coffee/Breakfast Chancellor Ballroom

General Session

Location:

Chancellor Ballroom

Moderator:

Thomas F. Szabo, *President, ITE - Illinois Section & Senior Project Manager, Christopher B. Burke Engineering, Ltd.*

8:00

Illinois State Police Update

Lieutenant Joseph Hutchins
Legal Office, Illinois State Police
Lieutenant John C. Thompson
Illinois State Police

8:35

Federal Infrastructure Bill Funding Programs

George A. Tapas
*Bureau Chief of Local Roads and Streets
IDOT*

9:10

Micro-mobilizing: Sharing Bikes & Scooters in Chicago

Sean S. Wiedel
*Assistant Commissioner, Division of Citywide Services
Chicago Department of Transportation*

9:45

Break

10:05

Traffic Incident Management...new collaborations and updates

Robin Helmerichs
*Traffic Incident Management Coordinator
IDOT*

Lieutenant Jacob Tresenriter
*Illinois State Police, Office of the Director
Office of Labor Relations/Special Projects*

10:40

Connected Vehicle Path Ahead

Neal Hemenover
*Senior Director
Stantec Generation AV*

Nick Jarmusz
*Director of Public Affairs
AAA - The Auto Club Group*

11:25

EV Strategies and the State of Illinois

Elizabeth Irvin

*Deputy Director of Planning and Programming
IDOT*

Marcy A. Rood

*Technology Integration Manager
Energy Systems
Argonne National Laboratory*

12:00

Evaluations & Adjourn

Post-Conference Roundabout Workshop

*Pre-registration required to attend

Thursday, October 20, 2022

Chancellor Ballroom

1:00 - 5:00pm

Facilitators:

Matt Papirnik & Haley Smith, *Burns & McDonnell*

Presenters:

Jarrold Cebulski, *Patrick*

Bill Edwards, *Kane County DOT*

Carlos Feliciano, *IDOT*

Hillary Isebrands, *FHWA*

Kimberly Murphy, *IDOT*

Matt Papirnik, *Burns & McDonnell*

Karyn Robles, *Village of Schaumburg*

Jason Salley, *IDOT*

The workshop will feature perspectives from federal, state, and local officials, roundabout design experts and transportation professionals on how to make roundabouts a bigger part of our transportation system. Modern, well-designed traffic roundabouts have proven to improve safety for vehicles and pedestrians, increase traffic flow capacity, reduce speed, and benefit the environment. The State of Illinois is now well-positioned to deploy roundabouts at a much greater pace, taking advantage of the experience and institutional knowledge of our neighboring states.

The workshop is specifically tailored to educate local, county, and state agency personnel and those in the private sector on how to successfully promote, fund, design, implement and operate roundabouts.



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