



ITS Northern Lights
Conference

ITS Northern Lights Conference

May 12th - 14th, 2026

Holiday Inn Sioux Falls City Centre
100 W 8th St, Sioux Falls, SD

Agenda

Optional Pre-Conference Activities: Tuesday May 12th

3:00-5:00 PM
(Tours 3-4pm and 4-5pm) **Tour:** City of Sioux Falls Traffic Operations Center
Address: 231 N Dakota Ave, Sioux Falls, SD

5:30-7:30 PM **Social Event – Remedy Brewing Company**
Address: 401 E 8th St Unit 120, Sioux Falls, SD 57103

Day 1: Wednesday, May 13th

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| 7:00-8:00 | Registration and Breakfast Vendor Booths Open in the Palisade Room | Falls East Room |
| 8:00-8:30 | Welcome and Introductions Conference Welcome Linda Preisen, Athey Creek Consultants & Derek Nieveen, Alliant Engineering Host City - Sioux Falls Sioux Falls Police Chief Jonathan Thum South Dakota Department of Transportation Travis Dressen - Mitchell Region Engineer | Falls West Room |
| 8:30-9:30 | State DOT Activities Moderator: Linda Preisen, Athey Creek Consultants Dave Huft - South Dakota DOT Travis Lutman - North Dakota DOT Thomas Johnson-Kaiser and Tiffany Dagon - Minnesota DOT | |
| 9:30-10:00 | Exhibitor Showcase | |
| 10:00-10:30 | Break and Vendor Booths | Palisade Room |
| 10:30-11:45 | Winter Operations Moderator: Wayde Swenson - NDDOT Designing the Next Gen of ATIS/511: Putting People at the Center Kristin Virshbo - Castle Rock Implementing AVL as Part of a Road Weather Management Program Russ Brookshire - Parsons | |

MDSS PFS: Current Research Advancing AI and Data Integration in Winter Ops

Dave Huft - South Dakota DOT, Shawn Truelson and Ben Hershey - DTN

Rural Road Weather Conditions: Data Gaps and Today's Alternative Options

Chris Albrecht - Olsson

11:45-12:45

Lunch

Falls East Room

12:45-1:30

Keynote Speaker

Falls West Room

ITS Minnesota

Alyssa Segall - ITS Minnesota President

The Bold North Vision for Advancing Transportation

Kristin White - Google Public Sector Transportation Industry Executive

1:30-2:30

National Perspective

Moderator: Heath Hoftiezer - City of Sioux Falls

Transportation Systems Management and Operations (TSMO)

Martin Knopp - Associate Administrator for Operations, FHWA

ITS America

Bobby McCurdy - Vice President for Policy and Advocacy

Evolution of Corridor Collaboration and Coordination

Deepak Gopalakrishna - ICF

2:30-2:45

Sponsor Showcase

2:45-3:15

Break and Vendor Booths

Palisade Room

3:15-4:30

Rural ITS

Moderator: Christina Bennett - SDDOT

Automate VSL Operations for Winter Events

Ming-Shiun Lee - AECOM

TMC, What's New and What Can Be Better

Matt Lee - AECOM

Transforming Transportation in SD Using Technology

Jake Folkeringa - Bolton and Menk, Josh Larson - McLaury Engineering, Dave Huft - South Dakota DOT

Understanding Lane Keeping System Performance in Work Zones

Erik Minge - SRF, Adam Wellner - Minnesota DOT

5:00-7:00

Social Event - Blarney Stone Pub

Address: 333 S Phillips Ave, Sioux Falls, SD

Day 2: Thursday, May 14th

7:00-8:00

Continental Breakfast

Vendor Booths Open in the Palisade Room

Falls East Room

8:00-8:30

Welcome Back

ITS Rocky Mountain

John Hansen - Immediate Past President

Falls West Room

8:30-10:00

Data & AI for Transportation

Moderator: Kristin White - Google

Detector Data AI - Data Quality Assessment and Automatic Fault Detection for Traffic Detector Network using AI

Seongjin Choi - University of Minnesota, Terry Haukom - Minnesota DOT

From Strategy to State Action: The Role of ITS America in Advancing Responsible AI for Transportation

Nathan Wade - Flow Labs representing ITS America Artificial Intelligence Committee

Leveraging Big Data Tools To Understand and Improve Work Zone Traffic Impacts

Adam Danczyk and Mitch Graf - Iteris

Machine Vision for Asset Management

Qamar Al Dik - HDR

Use of Existing Signal Operations Infrastructure in Assisting Small-Medium Transportation Agencies with Traffic Data Collection

Kshitij Sharma - North Dakota State University

10:00-10:30

Break and Vendor Booths

Palisade Room

10:30-11:45

Urban Area ITS

Moderator: Amanda Brown - General Traffic Controls

Evaluating Lidar-Based Traffic Signal Detection for Multimodal Users

Derek Nieveen - Alliant Engineering

Far-Moor SMART Traffic Signal System

Mike Bittner and Jake Folkeringa - Bolton and Menk, John Atkins - City of Moorhead

Innovative OH/OS Vehicle Detection System

Alyssa Segall and Erik Minge - SRF

Utilizing Real Time Modeling, Automated Response, and V2N in Arterial Traffic Management

Joseph Brahm - Parsons

11:45-12:00

Wrap-up and Survey

ITS Minnesota

12:00-1:00

Box Lunches

Falls West Room

12:00-2:00

NCITE South Dakota Roadshow (Open to All Northern Lights Attendees)

Falls West Room

Moderator: Joe DeVore - KJ (NCITE President)

I-29 South Dakota DOT Variable Speed Limits

Jake Folkeringa - Bolton and Menk, Josh Larson - McLaury Engineering, Dave Huft - South Dakota DOT

Modernizing Omaha: Implementing a Long-Term Signal Systems Vision

Adam Denney - FHU Engineering, Bryan Guy - City of Omaha