Mark Your Calendars

2018 Minnesota’s Transportation Conference
February 27–March 1, 2018
Verizon Wireless Center, Mankato, Minnesota

Conference Credit

AICP Maintenance Credits
A request for AICP credits has been submitted for the conference. A complete list of approved sessions will be available on the conference website and at the conference registration desk.

Professional Development Hours (PDHs)
Attendees at this conference may receive up to 10 professional development hours. A PDH form is available on the conference website and at the conference registration desk.

Twitter
We’re on Twitter! Use #mntc2017 to continue the conference conversation.

Conference Mobile App
Minnesota’s Transportation Conference uses the Guidebook mobile app! Attendees can plan their days with a personalized schedule, view the program, get speaker details, connect with other participants, add conference photos, and more.

The app is compatible with iPhone, iPad, iPod Touch, and Android devices. Windows Phone 7 and Blackberry users can access the same information via a mobile site: http://guidebook.com/guide/85641

To get the guide for iOS and Android users: Download ‘Guidebook’ from the Apple App Store or the Android Marketplace. Scan the image to the right using Guidebook’s QR Code reader.

Conference mobile app sponsored by WSP | Parsons Brinckerhoff

Wireless Access
Wi-Fi is available throughout the building. Connect to RC_FreeWifi—no password is needed.

Business Center
Need a quiet space to get away for a moment? Visit the business center where you can take a break, check an e-mail or two, and get away from the action.

Business Center sponsored by AECOM

Reception
An evening reception will be held in the Grand Ballroom foyer. Attendees are invited to view exhibits, speak with colleagues, and enjoy hors d’oeuvres and a cash bar.

Wednesday, March 1, 4:30–6:30 p.m.
Reception sponsored by HDR, Inc.

Attendee List
A conference attendee list is available, upon request, at the registration desk.
### PROGRAM AT A GLANCE

**TUESDAY, FEBRUARY 28, 2017**

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<thead>
<tr>
<th>Noon–3:00 p.m.</th>
<th>Exhibitor Setup and Participant Registration</th>
<th>Grand Ballroom Foyer</th>
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**WEDNESDAY, MARCH 1, 2017**

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<thead>
<tr>
<th>7:30–8:30 a.m.</th>
<th>Participant Registration, Continental Breakfast, and Exhibits</th>
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<tr>
<td>8:30–10:00 a.m.</td>
<td>Plenary Session: Minnesota Commissioners’ Panel</td>
<td>Grand Ballroom</td>
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<tr>
<td>Charles Zelle, Commissioner, Minnesota Department of Transportation; John Linc Stine, Commissioner, Minnesota Pollution Control Agency; Ed Ehlinger, Commissioner, Minnesota Department of Health; David Frederickson, Commissioner, Minnesota Department of Agriculture; Shawntera Hardy, Commissioner, Minnesota Department of Employment and Economic Development</td>
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*Breakfast and session sponsored by TKDA*

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<tr>
<th>10:00–10:45 a.m.</th>
<th>Break and Exhibits</th>
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<tr>
<td>10:45 a.m.–12:15 p.m.</td>
<td>Session 1: The Latest Public Engagement Projects</td>
<td>Rooms 4</td>
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<td>Session 2: New Bus Rapid Transit Buildouts</td>
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<td>Session 7: UAV Uses and Updates</td>
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*Break sponsored by Stonebrooke Engineering*

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<tr>
<th>12:15–1:45 p.m.</th>
<th>Lunch and Plenary Session: Preparing for Super Bowl 2018</th>
<th>Grand Ballroom</th>
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<tr>
<td>Michele Kelm-Helgen, Chair, Minnesota Sports Facilities Authority</td>
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*Lunch and session sponsored by SRF Consulting Group*

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<tr>
<th>1:45–2:45 p.m.</th>
<th>Session 8: Planning with Models</th>
<th>Rooms 2–3</th>
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<td>Session 9: Advancing Equity: Workforce and Contracting Diversity</td>
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*Session 15: Economic Development through Freight Improvements | Room 6 |

*Session 16: Workshop: Win-Win Tribal Relations | Room 10 |

*Session 17: Innovative and Sustainable Partnerships for Connected and Automated Vehicles | Rooms 2–3 |

*Session 18: Applying 3D Technologies | Room 4 |

*Session 19: Partnering for Comprehensive Culvert Management | Room 12 |

*Session 20: Quantifying Bike and Pedestrian Trends | Room 11 |

*Session 21: The Next Generation of Managed Lanes | Room 11 |

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<th>2:45–3:30 p.m.</th>
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| *Break sponsored by LHB Corporation*

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<tr>
<th>3:30–4:30 p.m.</th>
<th>Session 15: Economic Development Through Freight Improvements</th>
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<th>4:30–6:30 p.m.</th>
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| *Reception sponsored by HDR, Inc.*

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<tr>
<th>6:30 p.m.</th>
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## PROGRAM AT A GLANCE

### THURSDAY, MARCH 2, 2017

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<thead>
<tr>
<th>Time</th>
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<td>8:00–9:15 a.m.</td>
<td>Plenary Session: SMART Cities, SMART Mobility, ITS, and More</td>
<td>Grand Ballroom</td>
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<td>Chris Murray, Chair, ITS America and President and CEO, Kapsch</td>
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<td>TrafficCom North America</td>
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<td>Breakfast and session sponsored by Stantec Consulting Services, Inc.</td>
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<td>10:00–11:00 a.m.</td>
<td>Session 22: Innovative Solutions to Funding Challenges</td>
<td>Room 6</td>
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<td>Session 23: Engaging the Future Transportation Workforce</td>
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<td>Session 24: A Fresh Look at Transit Equity</td>
<td>Room 10</td>
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<td>Session 25: The Future of Automated and Connected Vehicles in Minnesota</td>
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<td>11:00–11:45 a.m.</td>
<td>Break</td>
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<td>11:45 a.m.–12:45 p.m.</td>
<td>Session 29: Customer Engagement During Construction</td>
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<td>Session 30: Proven Intersection Designs for Conflict Reduction</td>
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<td>Session 31: Data-Driven Congestion Solutions</td>
<td>Rooms 7–8</td>
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<td>Session 32: Pioneering Asset Management Surveys and Practices</td>
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<td>Session 33: How Technology-Based Shared Modes Complement Transit</td>
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<td>Session 34: Highway 169: Stringless Paving and 3D Design</td>
<td>Rooms 2–3</td>
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<td>Session 35: More than a Bridge: Developing an International Border Crossing</td>
<td>Room 10</td>
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<tr>
<td>12:45–2:15 p.m.</td>
<td>Lunch and Plenary Session: Generations@Work</td>
<td>Grand Ballroom</td>
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<td>Sarah Sladek, CEO,</td>
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<td>Lunch and session sponsored by Isthmus Engineering, Inc.</td>
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<td>2:15 p.m.</td>
<td>Adjourn Day 2</td>
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Tuesday, February 28, 2017
Noon–3:00 p.m.—Exhibitor Setup and Participant Registration
Grand Ballroom Foyer

Wednesday, March 1, 2017
7:30–8:30 a.m.—Registration, Continental Breakfast, and Exhibits
Grand Ballroom Foyer

8:30–10:00 a.m. Plenary Session: Minnesota Commissioners’ Panel
Grand Ballroom
Charles Zelle, Commissioner, MnDOT; John Linz Stine, Commissioner, Minnesota Pollution Control Agency; Ed Ehlinger, Commissioner, Minnesota Department of Health; David Frederickson, Commissioner, Minnesota Department of Agriculture; Shawntera Hardy, Commissioner, Minnesota Department of Employment and Economic Development
Moderator: Charles Zelle, Commissioner, MnDOT
Discover why a multimodal transportation network is critical for the health of our community, our environmental sustainability, bringing crops to market and the overall economic prosperity for all in Minnesota.

Breakfast and session sponsored by TKDA

10:00–10:45 a.m.—Break and Exhibits
Grand Ballroom Foyer
Break sponsored by Stonebrooke Engineering

10:45 a.m.–12:15 p.m.—Concurrent Sessions
Session 1: The Latest Public Engagement Projects
Room 4
Moderator: Chris Hiniker, SEH, Inc.
Public engagement continues to evolve. Hear how your colleagues are bringing new techniques to projects across the state in this idea-packed session.

Rethinking I-94: Cultivating New Forms of Public Engagement
Brian Isaacson, MnDOT; Emilie Hitch, Rabbit; Nick Thompson, Metropolitan Council

Authentic, Creative, and Targeted Engagement in Greater Minnesota
Jennifer Quayle and Leif Garness, SRF Consulting Group; Lindsey Knutson, MnDOT

A Transformative Approach to Traditional Public Engagement
Jennifer Quayle, SRF Consulting Group; Lindsey Knutson, MnDOT

Session 2: New Bus Rapid Transit Buildouts
Room 10
Moderator: Chris Weyer, HNTB Corporation
As our BRT network grows, we’re learning lessons from recent projects and planning for the work that lies ahead. This session will discuss the present and future of BRT in the Twin Cities.

Implementing A Line—The Region’s First Arterial BRT Line
Brian Funk, Katie Roth, and Karyssa Jackson, Metro Transit

Working Together: Engineering, Planning, and Engagement Solutions Along Gold Line BRT

Session 3: Intersection Innovations
Room 11
Moderator: Mitch Rasmussen, MnDOT
New intersection designs can meet our needs for today—and tomorrow. This session will cover how to plan, maintain, and expand the use of a variety of intersection designs.

Setting Priorities for New Interchanges in the Twin Cities
Doug Abere, Bolton & Menk, Inc.; Steve Peterson, Metropolitan Council; Paul Czech, MnDOT

Designing Your Intersections to Meet Today’s Demand with Flexibility to Expand for Future Needs
Derek Arens and Chris Chromy, Bolton & Menk, Inc.

Overcoming Maintenance Concerns with Alternative Intersection Types
Chris Chromy, Bolton & Menk, Inc.

Session 4: Complete Streets for All Users
Room 12
Moderator: Jeff Rhoda, SEH, Inc.
We’re in the midst of a significant change in street policy and design. Come learn about projects large and small (including temporary demonstrations) that can improve multimodal access.

Equity in Transportation: Meeting the Multimodal Needs of People of All Ages and Abilities
Ciara Schlichting and Greta Alquist, Toole Design Group

Shaping the Urban Form through Multimodal Transportation Infrastructure
Lydia Major, LHB Corporation; Mark Nolan, City of Edina

Connecting Trail Users to Commerce: Alexandria’s Complete Street Pilot Project
Tim Schoonhoven, Widseth Smith Nolting; Jessica Peterson, Horizon Public Health

Session 5: Fresh Federal Funding Solutions
Rooms 2–3
Moderator: Margaret Donahoe, Minnesota Transportation Alliance
This session will help you look beyond what you think you know about federal dollars. These experts will discuss new routes to funding your projects.

Beyond the Usual Funding Formula: Federal Dollars Could Help Your Project
Serge Phillips, MnDOT; Margaret Donahoe, Minnesota Transportation Alliance

FHWA Risk-Based Stewardship and Oversight
David Scott, Federal Highway Administration; Philip Barnes, WSB & Associates, Inc.

Session 6: Transportation’s Impact on Health
Room 6
Moderator: Chris Roy, MnDOT
Vayong Moua, Blue Cross and Blue Shield of Minnesota
A healthy transportation system means a healthy Minnesota. Join in the discussion about transportation’s impact on health and how we can do better in Minnesota.
Session 7: UAV Uses and Updates
Rooms 7–8
Moderator: Jeffrey Gebhard, Braun Intertec Corporation
Explore the potential of unmanned aerial vehicles to help with infrastructure assessment, asset management, operations, maintenance, and planning in this forward-looking session.

Evaluating the Use of Unmanned Aerial Vehicles for Transportation Purposes
Colin Brooks, Michigan Technological University, Steven Cook, Michigan Department of Transportation
Unmanned Aircraft Systems (UAS) Bridge Inspection Demonstration Project
Tara Kalar and Jennifer Zink, MnDOT

12:15–1:45 p.m.—Lunch and Plenary Session: Preparing for Super Bowl 2018
Grand Ballroom
Michele Kelm-Helgen, Chair, Minnesota Sports Facilities Authority
Moderator: Sue Mulvihill, MnDOT
What is the evolution of the US Bank Stadium? Learn about the history, development, and equity and economic impacts of the stadium. Discover how major events coming to the city will positively affect the Minneapolis community.

Lunch and session sponsored by SRF Consulting Group

Session 8: Planning with Models
Rooms 2–3
Moderator: Mark Dierling, SEH, Inc.
How can physical models be used in project planning? This session will discuss new ways to use modeling during planning, design, and engagement.

Use of Smart Infrastructure 3D City Models: A Multidisciplinary Approach to Transportation Planning and Design
Rick Lovel, SRF Consulting Group

Modeling Equitable Engagement: Using Physical Models to Enhance Communication and Design
Kristin Petersen, SEH, Inc.

Session 9: Advancing Equity: Workforce and Contracting Diversity
Room 12
Moderator: Denise Woods, Associated General Contractors
A diverse workforce and contracting community benefits us all. Come hear about some innovative approaches to welcome all Minnesotans into the transportation industry.

Workforce Diversity in Transportation Construction
Mary Schmidt, MnDOT

Advancing Equity through Contracting and Workforce Development
Mary Schmidt and Ashanti Payne, MnDOT

Session 10: Driverless Cars, Compelling Impacts
Rooms 7–8
Moderator: Frank Douma, University of Minnesota
Driverless cars may be the hottest topic in transportation. You won’t want to miss this discussion about how these new technologies may upend what we know about road design.

John Eddy, Arup, San Francisco; Tom Fisher, University of Minnesota

Session 11: Messaging Transportation in a Divided Government
Room 4
Moderator: Jeff Ostrom, KLJ
This panel discussion will focus on the creation of a cohesive transportation funding messaging strategy that will appeal to both sides of the aisle.

Peter Glessing, Ann Lenczewski, and Andrea Travnicek, Lockridge Grindal Nauen Federal Relations Group

Session 12: Bridge Case Studies: ABC and CMGC
Room 6
Moderator: Tom Styrbicki, MnDOT
New bridge contracting and construction techniques continue to speed up project delivery and minimize construction impacts. These presentations will highlight two successful projects.

Rehabilitation of the Historic Winona Bridge Using the CMGC Project Delivery Method
Kent Zinn and Daniel Baxter, Michael Baker International; Keith Molnau and Terry Ward, MnDOT

Franklin Avenue Bridge Reconditioning
Paul Backer, Hennepin County; Travis Konda, HNTB Corporation; Arne Johnson, Wiss, Janney, Elstner Associates, Inc.; Steve Kaldnebach, Kraemer North America

Session 13: Moving Forward with MnPASS
Room 10
Moderator: Peter Muehlebach, WSB & Associates, Inc.
What’s next for MnPASS? Come hear about the latest innovations, policy implications, and potential applications.

MnPASS System Innovations
Brad Larsen, MnDOT

A Happy Marriage? MnPASS and Highway BRT on Highway 169
Adele Hall and Paul Morris, SRF Consulting Group; Lisa Freese, Scott County; Cole Hiniker, Metropolitan Council; Brad Larsen, MnDOT

Session 14: Best Pavement Preservation Practices
Room 11
Moderator: Mike Rief, WSB & Associates, Inc.
Minnesota’s climate demands innovative pavements. This session will help you stay on top of the latest materials and practices.

Pavement Preservation with Thinlays
Brandon Brever, Minnesota Asphalt Pavement Association

Minnesota Perpetual Pavement Analysis and Review
Mohammadreza Sabouri, Braun Intertec Corporation

2:45–3:30 p.m.—Break and Exhibits
Grand Ballroom Foyer
Break sponsored by LHB Corporation
3:30–4:30 p.m.—Concurrent Sessions

**Session 15: Economic Development Through Freight Improvements**

*Room 6*

Moderator: Lalith Galgadera, MSA Professional Services, Inc.

This session will feature two research projects that have deepened our understanding of freight needs, planning, and policy.

**Manufacturers’ Perspectives on Minnesota’s Transportation System: Significant Findings from Four Regions**

Donna Koren and Duane Hill, MnDOT

**Wisconsin Freight Rail: Proximity to Access**

Ben Zietlow, University of Wisconsin-Madison

**Session 16: Workshop: Win-Win Tribal Relations**

*Room 10*

Moderator: Dave Scott, Federal Highway Administration

This interactive session will include activities and discussions to help strengthen your organization’s partnerships and reduce conflicts with unique stakeholder groups.

Kenton Spading, US Army Corps of Engineers; Kelly Wilder, 106 Group

**Session 17: Innovative and Sustainable Partnerships for Connected and Automated Vehicles**

*Rooms 7–8*

Moderator: Tim Thoreen, HR Green, Inc.

The Contra Costa Transportation Authority has embarked on one of the most ambitious CN/AV programs in the United States. The lessons they’ve learned will help you develop your own public–private partnerships into innovative programs.

Habib Shamkhou, Stantec Consulting Services, Inc.; Ross Chittenden, Contra Costa Transportation Authority

**Session 18: Applying 3D Technologies**

*Rooms 2–3*

Moderator: Steve Howe, HNTB Corporation

How can organizations of all sizes use 3D tools? Don’t miss this opportunity to learn about new applications and emerging technologies.

**3D Modeling of Underground Utilities**

Phil Meis, Utility Mapping Services, Inc.

**How to Maximize 3D Technologies Within Your Department**

Brad Canaday, MnDOT; Michael R. Frecks, Terrametrix, LLC

**Session 19: Partnering for Comprehensive Culvert Management**

*Room 4*

Moderator: Tracey VonBargen, Grant County

Morrison County is improving partnerships and applying new technologies to provide better asset management. Three agencies will share their perspective on this important project.

Representatives from Morrison Soil and Water Conservation District, Morrison County Township, and RtVision, Inc.

**Session 20: Quantifying Bike and Pedestrian Trends**

*Room 12*

Moderator: Michael Felschow, KLJ

If you build it, will they come? Researchers and practitioners will discuss tools to improve understanding of demand for bicycle-and pedestrian-friendly roads and transit facilities.

**Improvements to Walking Accessibility Calculations for Travel Demand Models**

Benjamin Nault-Maurer, University of Minnesota

**Getting There: Bikesheds and Realistic Bicycle Demand for Transit Facilities**

Hannah Pritchard, Toole Design Group; Catherine Walker, Hennepin County

**Session 21: The Next Generation of Managed Lanes**

*Room 11*

Moderator: Tim Burkhardt, HDR, Inc.

How can we provide the managed lanes our network needs today while remaining flexible enough to accommodate the needs of tomorrow? This session will discuss modular lanes and planning tools to help us do both.

Bernie Arseneau, HDR, Inc.

4:30–6:30 p.m.—Reception and Exhibits

**Grand Ballroom Foyer**

Reception sponsored by HDR, Inc.

6:30 p.m.—Adjourn Day 1

Thursday, March 2, 2017

7:30–8:00 a.m.—Registration and Continental Breakfast

**Grand Ballroom**

8:00–9:15 a.m.—Plenary Session: SMART Cities, SMART Mobility, ITS, and More

**Grand Ballroom**

Chris Murray, Chair, ITS America and President and CEO, Kapsch TrafficCom North America

Moderator: Jay Heiptas, MnDOT

Presentation will include an update from ITS America regarding connected and autonomous vehicles, ITS technology, the Google car, and more. The discussion will focus on automated and connected vehicles and how they are envisioned to impact local roads, design standards, and the multimodal transportation network as a whole. The status of policy related to the technologies and the work to support the vision of SMART cities will also be addressed.

**Breakfast and session sponsored by Stantec Consulting Services, Inc.**

9:15–10:00 a.m.—Break and Exhibits

**Grand Ballroom Foyer**

Break sponsored by Rani Engineering
**Session 22: Innovative Solutions to Funding Challenges**

**Room 6**

Moderator: Scott Burfeind, HDR, Inc.

The panel will provide an up-to-date overview of current discussions surrounding the transportation funding shortfall in Minnesota and some innovative solutions for addressing this problem.

Scott Mareck, WSB/Minnesota Transportation Alliance; Eric Davis, MnDOT; Steve Bot, I-94 West Corridor Coalition; Jeff Howe, Minnesota House of Representatives

**Session 23: Engaging the Future Transportation Workforce**

**Rooms 2–3**

Moderator: Colleen O’Connor Toberman, University of Minnesota

It’s no secret that the transportation industry needs to attract talented young workers … but how? Hear about public and private programs filling the gap by recruiting the next generation of our workforce.

Jennifer Swenson, Kimley-Horn and Associates, Inc.; Kevin Zalec, Braun Intertec Corporation

**Public–Private–Student Partnerships: Using Undergraduate Researchers to Diffuse Tensions Among Stakeholders**

Stephen J. Druschel and Nazli Yilmaz Wodinski, Minnesota State University, Mankato

**Session 24: A Fresh Look at Transit Equity**

**Room 10**

Moderator: Kyle Burrows, Metro Transit

Learn about transit equity and inclusion by way of interactive activities and data-driven analysis.

Allison Bell, Metro Transit; Lisa Tabor, Culture Brokers, LLC

**Scouting for Transit Equity**

Allison Bell, Metro Transit; Lisa Tabor, Culture Brokers, LLC

**Data-Driven Decision-Making for Equitable Outcomes**

Allison Bell and Rachel Dungca, Metro Transit

**Session 25: The Future of Automated and Connected Vehicles in Minnesota**

**Rooms 7–8**


Minnesota is planning for the future. These presentations will highlight how today’s plans will pave the way for tomorrow’s vehicle technologies.

Cory Johnson and Brad Isaacson, MnDOT

**The Future of Connected Vehicles in Minnesota**

Cory Johnson and Brad Isaacson, MnDOT

**Impacts of Automated and Connected Vehicles on a Future I-94 Corridor**

Brian Isaacson, MnDOT; Scott Shogan and Tom Timcho, WSP | Parsons Brinckerhoff

**Session 26: Access the Inaccessible: Innovative Bridge Inspections**

**Room 4**

Moderator: Charles Cadenhead, HDR, Inc.

Three fast-paced presentations will discuss underwater, rope access, and drone inspection techniques. Tools of the trade will be displayed, and you’ll see a live drone demo.

Barritt Lovelace, Collins Engineers, Inc.; Jennifer Zink, Cory Stuber, Dan Stromberg, and Nicole Danielson-Bartlett, MnDOT

**Session 27: Modeling Improvements for Reliable Travel Times**

**Room 11**

Moderator: Steve Schmidt, Burns & McDonnell

Dynamic traffic assignment models and reliability analysis are becoming increasingly critical. This presentation will provide an introduction to each of these tools and offer tips for effectively communicating results.

Jim Henricksen, MnDOT; Paul Morris, SRF Consulting Group

**Session 28: Roadsides as Critical Infrastructure**

**Room 12**

Moderator: Carol Hejl, Metro Transit

What aspect of our transportation infrastructure saves lives, protects lakes and streams, guards against alien invaders, provides habitat for pollinators, and can outlast any bridge being built today? Come learn about the value provided by roadside vegetation and why appropriate management is needed to maximize its benefits.

Ken Graeve and Tina Markeson, MnDOT

**11:00–11:45 a.m.—Break**

Grand Ballroom Foyer

Break sponsored by HNTB Corporation

**11:45 a.m.—12:45 p.m.—Concurrent Sessions**

**Session 29: Customer Engagement During Construction**

**Room 4**

Moderator: Beth Bartz, SRF Consulting Group

Learn how proactive and timely communications can make the difference in a construction project’s success by managing expectations and preventing misinformation. Several Minnesota projects will be highlighted in these presentations about engaging residents, businesses, and other stakeholders.

**Session 27: Modeling Improvements for Reliable Travel Times**

**Room 11**

Moderator: Steve Schmidt, Burns & McDonnell

Dynamic traffic assignment models and reliability analysis are becoming increasingly critical. This presentation will provide an introduction to each of these tools and offer tips for effectively communicating results.

Jim Henricksen, MnDOT; Paul Morris, SRF Consulting Group

**Session 28: Roadsides as Critical Infrastructure**

**Room 12**

Moderator: Carol Hejl, Metro Transit

What aspect of our transportation infrastructure saves lives, protects lakes and streams, guards against alien invaders, provides habitat for pollinators, and can outlast any bridge being built today? Come learn about the value provided by roadside vegetation and why appropriate management is needed to maximize its benefits.

Ken Graeve and Tina Markeson, MnDOT

**11:00–11:45 a.m.—Break**

Grand Ballroom Foyer

Break sponsored by HNTB Corporation

**11:45 a.m.—12:45 p.m.—Concurrent Sessions**

**Session 29: Customer Engagement During Construction**

**Room 4**

Moderator: Beth Bartz, SRF Consulting Group
Helping People Cope During Construction: Lessons Learned in Construction Communications
Bre Grand and Joy Miciano, Zan Associates

Business and Public Engagement During Design and Construction
Bre Grand, Joy Miciano, and Dan Edgerton, Zan Associates

Session 30: Proven Intersection Designs for Conflict Reduction
Room 6
Moderator: Mike Anderson, Alliant Engineering, Inc.
Transportation departments are increasingly emphasizing innovative intersection and interchange designs. Come hear about the research, design elements, and public education behind new roundabout and signalized intersections.

Design Considerations for Multilane Roundabouts
Renae Kuehl, SRF Consulting Group; Joe Gustafson, Washington County

Signalized Reduced Conflict Intersections
Brandon Bourdon, Kimley-Horn and Associates, Inc.; Paul Jung and Sheila Kauppi, MnDOT

Session 31: Data-Driven Congestion Solutions
Rooms 7–8
Moderator: Jill Mickelson, Braun Intertec Corporation
Recent advances in data quality and quantity allow for new decision-making tools. Come get technical in this session about local applications for modeling technologies.

I-494/TH 62 Congestion Relief Study—Utilizing GPS Origin–Destination Data and Dynamic Traffic Assignment (DTA) Modeling for Better Congestion Solutions
Ryan Loos, SRF Consulting Group; Paul Czech, MnDOT

Rethinking I-94: Big Data GPS Travel Pattern Analysis
Jim Henricksen, MnDOT; Paul Morris, SRF Consulting Group

Session 32: Pioneering Asset Management Surveys and Practices
Room 12
Moderator: Brad Henry, University of Minnesota
This session will quickly highlight the results of a statewide asset-management survey and share innovative practices that agencies large and small are using to improve planning and lower costs.

Brad Henry, MN2050; Ruth Hubbard, Minnesota Rural Water Association; Kris Riesenber, Federal Highway Administration; Rebecca Otto, Minnesota State Auditor

Session 33: How Technology–Based Shared Modes Can Complement Transit
Room 11
Moderator: Patrick Watz, HNTB Corporation
As shared modes grow, how will public entities ensure the benefits are equitably shared? These panelists will provide their insight on the changing relationship between public transportation and technology-based solutions.

Len Simich, SouthWest Transit; John Levin, Metro Transit; Luther Wyndor, Minnesota Valley Transit Authority; Debs Schrimmer, Lyft

Session 34: Highway 169: Stringless Paving and 3D Design
Rooms 2–3
Moderator: Ben Dzioba, Mead & Hunt
The TH169 Flood Mitigation project is using a technique rarely seen in Minnesota: stringless paving. This session will cover the project’s 3D design process, construction experience, and lessons learned.

Aaron Warford, Bolton & Menk, Inc.

Session 35: More than a Bridge: Developing an International Border Crossing
Room 10
Moderator: Amber Blanchard, MnDOT
This presentation is a tale of two cities, two countries, two transportation agencies… and one bridge. Hear about this once-in-a-lifetime project to replace a jointly owned border bridge on TH72.

Dale Grove, Stantec Consulting Services, Inc.; Kevin Saunders, Ontario Ministry of Transportation; Joe McKinnon, MnDOT

12:45–2:15 p.m.—Lunch and Plenary Session: Generations@Work
Grand Ballroom
Sarah Sladek, CEO, XYZ University

Moderator: Margaret Donahoe, Minnesota Transportation Alliance
A core challenge over the next decade will be to attract and retain a skilled workforce. This situation is exacerbated as companies find themselves managing four generations—each with their own distinct values and attitudes toward work. Learn about the core generational differences that exist in the workplace and key strategies for creating a stronger team and happier workplace.

Lunch and session sponsored by Isthmus Engineering, Inc.

2:15 p.m.—Adjourn Day 2
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