February 27–March 1, 2018

Verizon Wireless Center

Mankato, MN

mntransportationconference.org
On behalf of the principal planning committee, we welcome you to the 2018 Minnesota’s Transportation Conference—the state’s largest transportation event! This annual conference unites hundreds of people from MnDOT, the Metropolitan Council, local governments, contractors, suppliers, consulting engineering firms, as well as advocates and policymakers. This year’s focus is on Connecting for a Greater Minnesota, and presentations will highlight innovative and emerging topics and trends.

We are thrilled to be at the Verizon Wireless Center in Mankato, MN, which is a wonderful combination of small-town feel and thriving regional center. We are equally thrilled to welcome our keynote speakers: Secretary Anthony Foxx, former United States Department of Transportation Secretary, who will discuss what cities of the future will look like; Alison Ragan, Wyoming Department of Transportation, who will explore connected vehicle technology; and a panel of esteemed experts who will provide unique perspectives on the future of freight shipments in Minnesota.

On Tuesday, please join us in the Banquet Hall for a reception and robotics presentation by Mankato East and West High Schools beginning at 6:00 p.m. Also, we are pleased to host an exhibitor and networking reception on Wednesday, 4:30–6:30 p.m.

For new and returning attendees, presenters, and exhibitors, we welcome you and hope you will enjoy a great learning and networking experience at the Minnesota Transportation Conference.
### PROGRAM AT A GLANCE

#### TUESDAY, FEBRUARY 27

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<thead>
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<tr>
<td>3:00–6:00 p.m.</td>
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#### WEDNESDAY, FEBRUARY 28

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<td>7:30–8:30 a.m.</td>
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| 8:30–10:00 a.m.| Plenary Session: Deploying Connected Vehicle Technology on a Rural Corridor  
Ali Ragan, Wyoming Department of Transportation                                   |
| 10:00–10:15 a.m.| Break and Exhibits                                                           |
| 10:15–11:45 a.m.| Concurrent Sessions  
**Session 1**  
Moving Forward Together: Using Nontraditional Engagement Strategies to Engage Community Leaders and Project Skeptics  
Room 247  
**Session 2**  
Minnesota Bus and Rail  
Room 241  
**Session 3**  
Crossing Iron with Iron: Project Completion and “Final Analysis” of the Highway 53 Relocation CMGC Project  
Room 245 |
| 11:45 a.m.–1:15 p.m. | Lunch and Plenary Session: Freight Movement in MN Panel  
Jeff Purdy, Office of Freight Management and Operations, Federal Highway Administration;  
Patrick Murray, Director of Supply Chain & Procurement, Cambria;  
Ron Dvorak, Duluth Cargo Connect, Freight Advisory Committee;  
Ernie Perry, Mid-America Freight Coalition, University of Wisconsin–Madison  
Moderator: Bill Gardner, Director, Office of Freight & Commercial Vehicle Operations, Minnesota Department of Transportation  
Lunch sponsored by SRF Consulting Group |
| 1:15–2:00 p.m. | Break and Exhibits  
Break sponsored by TKDA                                                            |
| 2:00–2:45 p.m. | Concurrent Sessions  
**Session 8**  
Engaging the Customer with Virtual Reality Interactive Activity  
Room 245  
**Session 9**  
Highway 169 Mobility Study Transit Planning and Implementation  
Room 247  
**Session 10**  
Manufacturers’ Perspectives on Minnesota’s Transportation System: Southeast Minnesota  
Room 243 |
| 2:45–3:30 p.m. | Break and Exhibits  
Break sponsored by Martinez Geospatial                                                |
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6:00−8:00 p.m. Reception
Banquet Hall

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MN River Room
Session 5. Minnesota Autonomous Bus Pilot
Reception Hall
Session 6. Prioritizing Pedestrian and Bicycle Projects
Room 243
Session 7. Rochester Destination Medical Center Development/Integrated Transportation Systems
IGC Mankato Room
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Session 13. Speed Compliance for Work Zones System Demonstration and Testing
Room 241
Session 14. Enhancements in Bridge Technology
Reception Hall
2:45−3:30 p.m. Break and Exhibits
Break sponsored by Martinez Geospatial
Banquet Hall
## THURSDAY, MARCH 1

### 7:30–8:30 a.m.
**Participant Registration and Continental Breakfast**
Breakfast sponsored by AECOM

### 8:30–9:30 a.m.
**Concurrent Sessions**
- **Session 22**
  Rogersville Project Freeway: Progressive Right-of-Way and Partnering for Success
  Room 241
- **Session 23**
  Human Trafficking and the Transportation Industry
  MN River Room
- **Session 24**
  Statewide Minnesota Tolling Study
  Room 247

### 9:30–10:15 a.m.
**Break**
Break sponsored by Isthmus Engineering, Inc.

### 10:15–11:15 a.m.
**Concurrent Sessions**
- **Session 29**
  Communications and Community Engagement for I-35W @ I-94: Downtown to Crosstown Project
  Room 243
- **Session 30**
  Gray Area Thinking
  Room 241
- **Session 31**
  MN State Aviation System Plan Update—Continuous Planning
  MN River Room

### 11:15 a.m.–noon
**Break**

### Noon–1:30 p.m.
**Lunch and Plenary Session: Beyond Traffic—The Emergence of a Connected City**
Secretary Anthony Foxx, Former Secretary, United States Department of Transportation
Lunch sponsored by SEH, Inc.
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<td>Cutting-Edge Techniques to Consider Future Technologies in Transportation Project Development Efforts – Iowa DOT I-80 Automated Corridors Study</td>
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<td>Safer Roadways Through Statewide Asset Data Collection and Field Assessment</td>
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<tr>
<td>All About Roundabouts</td>
<td>Pavement Rehab</td>
<td>Bridge Best Practices</td>
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**Mankato East and West High Schools—Robotics Presentation**

VEX Competitions bring STEM skills to life by tasking teams of students with designing and building a robot to play against other teams in a game-based engineering challenge. Classroom STEM concepts are put to the test as students learn lifelong skills in teamwork, leadership, communications, and more. Tournaments are held year-round at the regional, state, and national levels and culminate at the VEX Robotics World Championship each April! This presentation will give you a chance to see what a robotics tournament looks like and to view the robots in action.

### Wednesday, February 28

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<td>Plenary Session</td>
<td>Grand Hall</td>
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**Deploying Connected Vehicle Technology on a Rural Corridor**

Strong wind, heavy snow, and high elevation combine to make dangerous seasonal driving conditions on Wyoming’s I-80 corridor. Using grant funding from USDOT, the Wyoming Department of Transportation is piloting a connected vehicle project designed to improve safety and mobility on the rural interstate. This freight-focused project uses dedicated short-range communication (DSRC)-based applications to provide drivers the information they need to make safe travel decisions.

Alison Ragan, GIS/ITS Manager, Wyoming Department of Transportation

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Session 1: Moving Forward Together: Using Nontraditional Engagement Strategies to Engage Community Leaders and Project Skeptics

This session will tell the story of community engagement for the TH13/CH21 Moving Forward project in Prior Lake through the lens of the community, a transportation engineer, an urban designer, and the road authority.

Mayor Kirt Briggs, City of Prior Lake
Chris Chromy and Madeline Peck, Bolton & Menk
Tony Winiecki, Scott County

Moderator: Kate Miner, Stonebrooke Engineering

Session 2: Minnesota Bus and Rail

If This Bus Could Talk: Mankato City Bus
Transit service in Greater Minnesota is growing significantly. This presentation will summarize key transit service issues, including funding, and how Mankato City Bus will address them.

Mark Anderson, City of Mankato
Mary Karlsson, Kimley-Horn and Associates, Inc.

Moderator: Laura Eash, Minnesota Transportation Alliance

Intercity Passenger Rail in Minnesota—Collaboration, Coordination, and Crossings
The Twin Cities-Milwaukee-Chicago (TCMC) Intercity Passenger Rail project is a great example of coordination and collaboration. The Northern Lights Express (NLX) project, a proposed higher-speed passenger rail project that would provide rail service between Minneapolis and Duluth, is another intercity passenger rail corridor that has benefited from a coordinated approach between DOTs.

Frank Loetterle and Praveena Pidaparthi, MnDOT

Moderator: Laura Eash, Minnesota Transportation Alliance
Session 3: Crossing Iron with Iron: Project Completion and “Final Analysis” of the Highway 53 Relocation CMGC Project

Learn about a fully integrated Owner-Designer-Contractor team that allowed MnDOT to successfully deliver the project on schedule, delivering a 1,130-foot-long steel plate girder bridge spanning the Rouchleau iron mine over 200 feet above the floor of the open pit mine and roadworks.

Vincent Gastoni, Parsons Transportation Group
Jason Gagnon, Kiewit Infrastructure Company
Andy Johnson, MnDOT

Moderator: Jon Chiglo, WSB & Associates, Inc.

Session 4: Winter Plowing and Deicing: Saving Money, Salt, and Labor by Distinguishing Best Practices from Urban Legends

Learn how winter deicing can benefit from predicting efforts required for expected driver level of service, thus reducing detrimental environmental effects.

Stephen Druschel, Minnesota State University, Mankato

Moderator: Denise Woods, Associated General Contractors of Minnesota

Session 5: Minnesota Autonomous Bus Pilot

Join a discussion about how MnDOT is executing an Autonomous Bus Pilot project to research vehicle and infrastructure requirements for an autonomous vehicle bus that can safely operate in cold weather climate conditions in the state of Minnesota.

Jay Hietpas and Mike Kronzer, MnDOT
Daryl Taavola, AECOM

Moderator: Tim Burkhardt, WSP USA

Session 6: Prioritizing Pedestrian and Bicycle Projects

Learn how MnDOT looked at prioritizing pedestrian projects based on need and safety to help identify where to spend scarce resources and respond to the public requests for pedestrian projects with data and ranking. See if these tools could be used to help your prioritization needs!

Erik Baxstrom and Derek Leuer, MnDOT

Moderator: Dorian Grilley, Bicycle Alliance of Minnesota
Session 7: Rochester Destination Medical Center
Development/Integrated Transportation Systems
IGC Mankato Room

Discover more about the creation of the Destination Medical Center (DMC) vision for Downtown Rochester, and how the city and Olmsted County will support this anticipated new development by planning and constructing significant multimodal transportation infrastructure.

Pat Corkle, Mona Elabbady, Joni Giese, and Craig Vaughn, SRF Consulting Group, Inc.
Moderator: Dale Grove, Stantec

Lunch and Panel Session
Grand Hall
Noon–1:15 p.m.

Freight Movement in Minnesota Panel

More than 40% of Minnesota’s gross state product is generated by industries that are directly dependent on freight transportation. Freight tonnage will grow by 80% by 2040, demanding increased capacity and efficiency in all modes of transportation. The future increase in tonnage will place additional stress on the transportation system throughout the state. This panel of experts will provide perspectives on the future of freight shipments and how to improve the transportation system.

Jeff Purdy, Office of Freight Management and Operations, Federal Highway Administration
Patrick Murray, Directory of Supply Chain & Procurement, Cambria
Ron Dvorak, Duluth Cargo Connect, Freight Advisory Committee
Ernie Perry, Mid-America Freight Coalition, University of Wisconsin-Madison

Moderator: Bill Gardner, Director, Office of Freight & Commercial Vehicle Operations, Minnesota Department of Transportation

Lunch sponsored by SRF Consulting Group

Break and Exhibits
Banquet Hall
1:15–2 p.m.

Break sponsored by TKDA
Session 8: Engaging the Customer with Virtual Reality Interactive Activity  
Room 245

This session will focus on how our transportation professionals are using cutting-edge data collection technologies, software tools, and virtual reality to assist in the planning, design, and construction of transportation infrastructure projects.

Aaron Moniza, Foth

Moderator: Denise Woods, Associated General Contractors of Minnesota

Session 9: Highway 169 Mobility Study Transit Planning and Implementation  
Room 247

This presentation will illustrate how industry cluster analysis, used to identify the businesses that are most competitive in a given region and which provide more stable and higher-paying jobs, can help target research efforts to have greater benefit.

Carol Clark, VINE Faith in Action
Robert Clarksen, MnDOT
Ron Decker, Land to Air Express
JoAnn Olsen, SRF Consulting Group
Angie Stenson, Scott County

Moderator: Margaret Donahoe, Minnesota Transportation Alliance

Session 10: Manufacturers’ Perspectives on Minnesota’s Transportation System: Southeast Minnesota  
Room 243

This panel presentation will describe results from District 6 and the cross-organization, cross-jurisdiction, replicable model used for this effort.

Joe Jacobson, Donna Koren, and Jeff Vlaminck, MnDOT

Moderator: Andy Mielke, SRF Consulting Group, Inc.
Session 11: Road Rehab IGC Mankato Room

The Challenges and Benefits of Using Recycled Asphalt Pavement (RAP) Material
Discover more about this new research project investigating the constructability and performance of cold central plant recycling (CCPR) pavements. Pavement performance using two different CCPR methods with two different asphalt-based surfaces will be discussed along with laboratory testing, analysis and guidance on CCPR construction practices and costs.

Dave VanDeusen, MnDOT
Chris DeDene, American Engineering Testing, Inc.

Moderator: Amy Grothaus, Braun Intertec

Voyageurs National Park Stabilized Full Depth Reclamation
This presentation will highlight the challenges and benefits of full depth reclamation, with an emphasis on low-volume roadways such as those found at Voyageurs.

Jacob Michalowski, American Engineering Testing, Inc.
Andrew Dauk, Allstates Pavement Recycling & Stabilization, Inc.

Moderator: Amy Grothaus, Braun Intertec

Session 12: Using a Rapid-Planning Process to Build Stakeholder Engagement for Safe Routes to School MN River Room

Discover more about the techniques that were used to create a strong, collaborative team that developed Safe Routes to School (SRTS) recommendations across all 6 E's.

Colin Harris and Jimmy Shoemaker, Alta Planning

Moderator: Stephanie Malinoff, University of Minnesota

Session 13: Speed Compliance for Work Zones System Demonstration and Testing Room Room 241

This presentation will describe the deployment and evaluation of an Enhanced Speed Compliance for Work Zones (ESC4WZ) System used by MnDOT and the State Patrol.

Rashmi Brewer, MnDOT
Daryl Taavola, AECOM

Moderator: Mike Martinez, HDR, Inc.
Session 14: Enhancements in Bridge Technology  Reception Hall

Innovations in Rehabilitation of Aging Bridge Abutments
Hear about how an innovative approach where the existing abutment is left intact and used as a form during construction of the structural rehabilitation. This process can take as little as a few days, and environmental concerns and permitting are avoided or minimized.

Roch S. V. Player and Brian Maguire, Geostabilization International
Moderator: John Dillingham, Alliant Engineering

Advancing Bridge Inspections with Drone Technology
Join us to learn about the award-winning research of Unmanned Aircraft Systems (UAS) for bridge inspections and what the next steps are in developing a statewide UAS bridge inspection plan for both state and local bridges.

Barritt Lovelace, Collins Engineers, Inc.
Jennifer Wells, MnDOT
Moderator: John Dillingham, Alliant Engineering

Break and Exhibits  Banquet Hall  2:45–3:30 p.m.
Break sponsored by Martinez Geospatial

CONCURRENT SESSIONS  3:30–4:30 p.m.

Session 15: The Importance of Integrating Project Management and Public Engagement: A Panel Discussion from the Red Wing Bridge Project  Room 243

Discover why highly engaged cross-agency partnerships should be the gold standard in today’s market, where public opinion is a key assessment. This discussion will primarily focus on project management and public engagement strategies for the Red Wing Bridge Project.

Stephanie Bornetun, HDR, Inc.
Jay Owens, City of Red Wing
Terry Ward and Mike Dougherty, MnDOT
Moderator: Stephanie Malinoff, University of Minnesota
Session 16: I-35W @ I-94: Downtown to Crosstown  Reception Hall

This session will share information on the work that is going on at various levels to increase workforce diversity in heavy construction, some of the challenges that have been encountered, and how the community at large has been engaged.

Jason Block, Ames Construction
Yolanda McIntosh, Ames Lunda Shafer Joint Venture
Byron Millea, MnDOT
John O’Phelan, Ramsey County

Moderator: Charleen Zimmer, Zan Associates

Session 17: Chapter 3 Additional Transportation Funding Program Update  IGC Mankato Room

The presentation will cover topics associated with the new transportation funding from the 2017 legislature in Chapter 3, including funding breakdown by type and by year, the project selection process, program performance measurements, the status of projects and the outcomes from the Chapter 3 funding.

Chris Roy, Ed Idzorek, and Brian Gage, MnDOT

Moderator: Margaret Donahoe, Minnesota Transportation Alliance

Session 18: Enhancing Return on Investment for MnPASS Express Lanes  MN River Room

This presentation will highlight the evaluation of the MnPASS Express Lanes and outcomes of this study to enhance traditional methods.

Brad Larsen, MnDOT
Paul Morris, SRF Consulting Group, Inc.

Moderator: Tracey Von Bargen, Grant County
Session 19: Assessment and Use of Social Media in Transportation Planning and Projects

If you’re looking for an active and engaging presentation, this one is for you! Using “small world café” break-out sessions, you’ll be able to ask questions and get practical tips on how to use social media analytical tools. Learn about what to include in a social media engagement plan and evaluation strategy.

Katie Caskey and Kristi Loobeek, MnDOT
Ingrid Schneider and Kathy Quick, University of Minnesota
Moderator: Renee Raduenz, MnDOT

Session 20: TH 13 Port of Savage Truck Access Study

Discover more about the TH 13 Port of Savage truck access study. The discussion will include an evaluation matrix of traffic, safety, freight, environmental, and costs along the corridor and will assess the pros and cons of the various preliminary design concepts.

Jarrett Hubbard, Scott County
Jon Solberg, MnDOT
Seng Thongvanh, City of Savage

Session 21: Asset Management Peer Exchange Summary

This session will feature the cooperative City/County approach to asset management in Carver County, the innovative traffic approach in Crow Wing County, the collaboration ideas and practices supported by FHWA, and a summary of the Peer Exchange challenges and discoveries.

Kris Riesenberg, Federal Highway Administration
Joel Ulring, MnDOT
Allison Kampbell, Carver County
Steve Stroschein, Crow Wing County
Moderator: Brad Henry, MN2050

Reception

Reception sponsored by Alliant Engineering, Inc.
THURSDAY, MARCH 1

**Participant Registration and Continental Breakfast**  Banquet Hall  7:30–8:30 a.m.
Breakfast sponsored by AECOM

**CONCURRENT SESSIONS**  8:30–9:30 a.m.

**Session 22: Rogersville Project Freeway: Progressive Right-of-Way and Partnering for Success**  Room 241

The Rogersville Project Freeway Design-Build is a project that exemplifies collaboration, innovation, and stewardship. Learn more about why this project was selected for the 2017 DBIA National Award of Merit in the Transportation category and was recognized by the FHWA by receiving the 2017 Excellence in Right-of-Way Streamlining and Integration Award.

James Shaw and Michael Martin, RS&H
Moderator: Stephanie Malinoff, University of Minnesota

**Session 23: Human Trafficking and the Transportation Industry**  MN River Room

Learn about the multiple roles played by the transportation industry in both the success and destruction of the human trafficking industry, and identify efforts and initiatives within the transportation industry and broader society to combat human trafficking.

Angela Forsythe, MnDOT
Moderator: Laura Eash, Minnesota Transportation Alliance

**Session 24: Statewide Minnesota Tolling Study**  Room 247

This session will provide an overview of fundamental tolling concepts, tolling feasibility, and policy issues to move tolling forward in the State of Minnesota. Learn about high-level traffic and revenue analysis and the potential for future toll ways in Minnesota.

Ken Buckeye, MnDOT
Adam Sheets, HNTB Corporation
Moderator: Phil Barnes, WSB & Associates, Inc.
Session 25: Cutting-Edge Techniques to Consider
Future Technologies in Transportation Project Efforts
– Iowa DOT I-80 Automated Corridors Study
Reception Hall

This research-based, data-driven study considered analysis of multiple potential future scenarios from a capacity, safety, and travel-time reliability standpoint and was critical in determining future needs and promoting an adaptable design of I-80 for an uncertain future.

Jon Markt, Brandi Popenhagen, and Will Sharp, HDR, Inc.

Session 26: Minneapolis Bikeway Analysis IGC
IGC Mankato Room

Building Your Protected Bikeway Network
Since 2015, the City of Minneapolis has installed approximately 20 miles of protected bikeways. This presentation will include lessons learned from these projects, including the pros and cons of different protected bikeway designs, costs associated with different project types, how to design to Municipal State Aid (MSA) standards, and winter maintenance.

Liz Heyman and Simon Blenski, City of Minneapolis
Moderator: Ross Tillman, Bolton & Menk

Evaluating Multimodal Projects
This presentation will describe how the City of Minneapolis is tracking and communicating the social, access, and economic effects of several bicycle and pedestrian projects in a graphical and data-driven approach.

Virginie Nadimi, City of Minneapolis
Moderator: Ross Tillman, Bolton & Menk

Session 27: Improving Road Safety Through Science
Room 243

Come hear how the use of chemistry is helping to improve road conditions in both winter and summer. Using winter and summer field test results, examples of value-added practices show that increased efficiencies and enhanced public safety can be added to any road maintenance program.

Steve Clark and Morgan Wallace, EnviroTech
Moderator: Denise Woods, Associated General Contractors of Minnesota

Session 28: MnDOT High Bridge Redecking Project—Replacing the Deck on a Continuous Tied Steel Arch Using the CMGC Process
Room 245
This presentation will describe the process to model the bridge and establish the deck removal and deck placement sequence, how the CMGC project delivery method brought value to the project, the process to remove decks, and placement of the new decks in the south and north approach spans.

Kevin Anderson, AECOM
Stephen Kaldenbach, Kraemer North America
Paul Kettleson and Greg Asche, MnDOT
Moderator: Jeff Rhoda, SEH

Break  Banquet Hall  9:30–10:15 a.m.
Break sponsored by Isthmus Engineering, Inc.

CONCURRENT SESSIONS  10:15–11:15 a.m.

Session 29: Communications and Community Engagement for I-35W @ I-94: Downtown to Crosstown Project  Room 243
Hear about the activities undertaken to gain earned media coverage, the values and challenges of using paid and digital media, and using art, games, and other creative strategies to enhance on-street engagement, particularly in new immigrant communities through this project.
Joy Miciano and Charleen Zimmer, Zan Associates
Aaron Tag, MnDOT
Moderator: Jeff Rhoda, SEH

Session 30: Gray Area Thinking  Room 241
With this inclusivity presentation, Ellie Krug offers an innovative toolset—Gray Area Thinking™—for interacting with diverse humans in a mindful and compassionate way.
Ellie Krug, Human Inspiration Works, LLC
Moderator: Dale Grove, Stantec

Session 31: Minnesota State Aviation System Plan Update—Continuous Planning  MN River Room
Discover more about the updates to Minnesota’s State Aviation System Plan (SASP), which will shift to a continuous planning process. The plan covers the 135 public-use airports across the state of Minnesota and will also contemplate private heliports and airstrips.
Rylan Juran, MnDOT
Moderator: Jeff Preston, Stantec
Session 32: Safer Roadways Through Statewide Asset Data Collection and Field Assessment  Room 247

See a demonstration of the data collected in the Barrier End Terminal Inventory and Assessment (BETIA) project, the value of the datasets, and how this data may be of value to you for your projects, research, or planning.

Craig Gooding, Continental Mapping Consultants, Inc.
Moderator: Todd Stevens, MnDOT

Session 33: All About Roundabouts  Room 245

The First Minnesota State Highway Mini-Roundabouts
This presentation will present the challenges and successes in planning, design, and public involvement to get mini-roundabouts implemented on a state highway in a rural community and present results and lessons learned after they have been constructed and opened to traffic.

Bryan Nemeth, Bolton & Menk
Zachary Tess, MnDOT
Moderator: Denise Woods, Associated General Contractors of Minnesota

Trucking Industry Perspective on Multilane Roundabouts
This presentation presents results from an online survey taken by truck drivers throughout the United States that made use of diagrams, roundabout exhibits, and roundabout videos to solicit responses to the questions posed. The results of this data help identify truck driver preferences at roundabouts and improve design.

Ben Wilkinson, MSA Professional Services, Inc.
Moderator: Denise Woods, Associated General Contractors of Minnesota

Session 34: Pavement Rehab  IGC Mankato Room

Intelligent Compaction (IC) Method for Quality and Process Control of Cold In-Place Recycled (CIR) Pavements
Learn about the feasibility of using the Intelligent Compaction (IC) method for quality and process control of CIR pavements in this session.

Eyoab Zegeye Teshale, American Engineering Testing
Moderator: Matthew Oman, Braun Intertec

Cold Mix: The Best-Kept Secret in Asphalt Pavement Rehabilitation
The asphalt pavement rehabilitation industry has experienced many recent technological advances that are paving the way for widespread use of CMA (Cold Mix Asphalt). This session will focus on these new studies and the different ways that cold mix is produced and applied: Cold In-Place Asphalt Recycling, Cold Central Plant Recycling, and Stabilized Full Depth Reclamation.
Session 35: Bridge Best Practices
Reception Hall

MnDOT’s National Bridge Inspection Program Five-Year Performance Summary
This presentation will include NBIS program analysis including trends, compliance history, and
best practices. Bridge owners, program administrators, bridge inspection team leaders, and bridge
inspectors will all gain valuable safety inspection knowledge from this presentation.

Tim Anderson, Federal Highway Administration
Moderator: Dave Scott, Federal Highways Administration

Underwater Visualization Using 3D Sonar Equipment
Join us for a discussion about how MnDOT recently obtained 3D sonar equipment which can image
underwater structures to see extensive damage, provide post-construction scans to make sure the
contractor didn’t leave debris in the water body, and take baseline measurements on structures in
areas where scour has been an issue in the past.

Nicole Danielson-Bartlet, MnDOT
Moderator: Dave Scott, Federal Highway Administration

Break
Banquet Hall 11:15 a.m.–noon

Lunch and Plenary Session
Grand Hall Noon–1:30 p.m.

Beyond Traffic: The Emergence of a Connected City
As Secretary of Transportation, Anthony Foxx created the “Smart City Challenge.” The first-of-
its-kind program offered mid-sized cities around the US the opportunity to win $40 million by
developing the best ideas for an integrated smart transportation system using data, applications,
and technology to solve existing problems. Over 80 cities applied in the program’s first year.

Secretary Foxx has a deep understanding of smart city technologies and what the American “cities
of the future” will look like. Touching on rapidly advancing technologies like autonomous cars, data
analytics, the Internet of Things, connected devices sensors, drones, and Hyperloop, Secretary Foxx
explains how machine learning will be used to tackle problems that have plagued public officials
on both sides of the aisle for generations. Offering unparalleled insight into the effects of societal
trends like job automation, demographic shifts, and the sharing economy, Secretary Foxx presents a
holistic view of what mobility means—today and tomorrow.

Secretary Anthony Foxx, Former US DOT Secretary
Lunch sponsored by SEH, Inc.
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Wireless Access

Wi-Fi is available throughout the building. Visit the registration desk for username and password details.

Reception

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

Wednesday, February 28—4:30–6:30 p.m.

Reception sponsored by Alliant Engineering, Inc.

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.

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.

Attendee List

A conference attendee list is available upon request at the registration desk.