



# FINAL PROGRAM

**24th Annual  
Transportation Research Conference  
May 22-23, 2013  
Saint Paul RiverCentre, Saint Paul, Minnesota**

UNIVERSITY OF MINNESOTA

# CTS

CENTER FOR TRANSPORTATION STUDIES



**Center for Transportation Studies**

**24th Annual  
Transportation  
Research Conference**

May 22-23, 2013

Saint Paul, Minnesota

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**About the Conference**

The University of Minnesota's Center for Transportation Studies is pleased to present its 24th Annual Transportation Research Conference, May 22-23, 2013. The conference will be held at the Saint Paul RiverCentre, 175 West Kellogg Boulevard, Saint Paul, Minnesota. The conference acts as a forum for researchers and practitioners from Minnesota and the Upper Midwest to share their research findings in a variety of transportation-related areas. Concurrent sessions are focused in four categories that match the Center's research emphasis areas – Transportation Safety and Traffic Flow, Transportation Infrastructure, Transportation and the Economy, and Transportation Planning and the Environment – with a fifth category covering Education and Outreach Issues.

**Who Should Attend**

- Policymakers and practitioners from state, local, regional, and national government
- Private industry and nonprofit representatives
- Faculty, staff, and students from colleges and universities

**The Center for Transportation Studies**

The Center for Transportation Studies was established by the University of Minnesota in 1987 as a multidisciplinary research, education, and outreach center. The mission of the Center is to be a focal point for strengthening knowledge in transportation using multidisciplinary approaches that address transportation problems. The Center develops research, education, and outreach programs that create an interactive environment for University researchers and the transportation community. As a result of these programs, the Center improves transportation decision making and assists transportation officials in anticipating and preparing for significant national, regional, and state issues.

## Conference General Sessions

### Transportation: Integral to Creating the Conditions for Good Health

*Edward Ehlinger*, commissioner, Minnesota Department of Health

Along with economic status, education, and housing, transportation is a social determinant of health—a societal factor that has an impact on health outcomes. Minnesota Commissioner of Health Edward Ehlinger will discuss the many health impacts of transportation on both the individual and community level.

Beyond the immediate health impacts of transportation-related trauma, the process of moving people from one location to another can have a huge impact on the physical, social, and cultural environment. The quality of air, soil, and water influences health and is impacted by transportation, as is the overall quality of life within a community. In addition, obesity, chronic health conditions, asthma, and mental health are affected by transportation and the behaviors it influences. Public health professionals recognize the importance of the transportation system in creating health and quality of life within communities and view individuals and organizations working in this field as part of the overall public health team.

Following Ehlinger's presentation, a panel of experts will share their perspectives on the link between transportation and public health and its implications for transportation professionals.

### New Mobility Options

*Elizabeth Deakin*, professor of city and regional planning, University of California, Berkeley

New mobility options—systems innovations that integrate new technologies and new ways of delivering and consuming transportation services—are being developed to address many growing transportation challenges. These options make use of new information technologies and advances in sensors, control systems, materials, and designs, as well as new approaches to developing, financing, managing, and marketing transportation services. New mobility options include carsharing and bikesharing, new forms of carpooling, smart transit and paratransit, and smart cars and highways.

Deakin will highlight how these new options improve mobility and access for users. In addition, these options can reduce costs, help shape sustainable urban development patterns, and significantly improve public health, quality of life, and the environment.

# PROGRAM AT A GLANCE

WEDNESDAY, MAY 22, 2013		
	TRACK 1: SAFETY AND TRAFFIC FLOW Meeting Room 6	TRACK 2: INFRASTRUCTURE Meeting Room 5
7:30-8:30 a.m.	Registration and Buffet Breakfast	
8:30-10:15 a.m.	Welcome – <i>Laurie McGinnis</i> , director, Center for Transportation Studies, University of Minnesota	
<b>Grand Ballrooms A-B</b>	Transportation: Integral to Creating the Conditions for Good Health <i>Edward Ehlinger</i> , commissioner, Minnesota Department of Health	
10:15-10:30 a.m.	Break	
10:30-11:45 a.m.	<b>Session 1</b> Ready Set Go: Traffic Signal Priority	<b>Session 2</b> Paving the Way to Better Roads
11:45 a.m.-1:30 p.m.	Luncheon and Presentation Opening Comments – <i>Charles Zelle</i> , commissioner, Minnesota Department of Transportation Keynote Presentation: New Mobility Options <i>Elizabeth Deakin</i> , professor of city and regional planning, University of California, Berkeley	
1:30-1:45 p.m.	Break	
1:45-3:00 p.m.	<b>Session 6</b> Rural Road Safety	<b>Session 7</b> Moving Water: Culvert Design and Bridge Scour
3:00-3:15 p.m.	Break	
3:15-4:30 p.m.	<b>Session 11</b> Tools for Making Intersections Safer	<b>Session 12</b> Roadway Maintenance Techniques
4:30-5:30 p.m.	Reception with Hors d'oeuvres and Cash Bar	
THURSDAY, MAY 23, 2013		
8:00-8:30 a.m.	Continental Breakfast	
8:30-10:15 a.m.	<b>Session 16</b> Stayin' Alive: Pedestrians and Crash Victims	<b>Session 17</b> Bridge Innovations
10:15-10:30 a.m.	Break	
10:30 a.m.-Noon	<b>Session 21</b> The Safety Side: Laws, Licensing, Liability	<b>Session 22</b> Protecting Our Air and Water
Noon	Adjourn	

	<b>TRACK 3: ECONOMY</b> Meeting Room 4	<b>TRACK 4: PLANNING AND THE ENVIRONMENT</b> Meeting Room 3	<b>TRACK 5: EDUCATION AND OUTREACH</b> Meeting Room 2
<p>Panelists: <i>Bernie Arseneau</i>, deputy commissioner and chief engineer, Minnesota Department of Transportation; <i>Michael Huber</i>, cardiovascular health consultant, Blue Cross and Blue Shield of Minnesota; and <i>Carissa Schively Slotterback</i>, associate professor, Humphrey School of Public Affairs, University of Minnesota</p>			
	<b>Session 3</b> Supply Chain Changes and Productivity	<b>Session 4</b> Transitways: Connecting Jobs and Workers	<b>Session 5</b> Spotlight on TZD
	<b>Session 8</b> Economic Benefits of Transportation Choice for Employers and Households	<b>Session 9</b> Street Smarts with Complete Streets	<b>Session 10</b> Corridors of Opportunity Innovations in Community Engagement
	<b>Session 13</b> Understanding Minnesota's Freight Economy	<b>Session 14</b> Forecasting and Travel Behavior	<b>Session 15</b> Media Smarts for Community Engagement
	<b>Session 18</b> Paying for Mature Transportation	<b>Session 19</b> Active Transport and Public Health	<b>Session 20</b> Public Perceptions and Engagement
	<b>Session 23</b> Stretching the Transportation Dollar	<b>Session 24</b> Performance-Based Planning	<b>Session 25</b> The ABCs of ADA for Local Agencies

# Program Schedule

## Wednesday, May 22, 2013

**7:30-8:30 a.m. – Registration and Buffet Breakfast**

**8:30-10:15 – Welcome  
Grand Ballrooms A-B**

*Laurie McGinnis*, director, Center for Transportation Studies, University of Minnesota

**Transportation: Integral to Creating the Conditions for Good Health**

*Edward Ehlinger*, commissioner, Minnesota Department of Health

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Beyond the immediate health impacts of transportation-related trauma, the process of moving people from one location to another can have a huge impact on the physical, social, and cultural environment. The quality of air, soil, and water influences health and is impacted by transportation, as is the overall quality of life within a community. In addition, obesity, chronic health conditions, asthma, and mental health are affected by transportation and the behaviors it influences. Public health professionals recognize the importance of the transportation system in creating health and quality of life within communities and view individuals and organizations working in this field as part of the overall public health team.

Following Ehlinger's presentation, a panel of experts will share their perspectives on the link between transportation and public health and its implications for transportation professionals.

**10:15-10:30 – Break**

**10:30-11:45 – Concurrent Sessions**

**1 Ready Set Go: Traffic Signal Priority**  
**Meeting Room 6**

Moderator: *Daryl Taavola*, URS Corporation

**PACE's Transit Signal Priority Program for Six County Suburban Chicagoland Area**

*Taqhi Mohammed*, PACE

**Regional Transit Signal Priority Interoperability**

*Mark Pitstick*, Chicago Regional Transportation Authority

**Evaluation of TSP Benefits using VISSIM and Lessons Learned**

*Ben Hao*, URS Corporation

**2 Paving the Way to Better Roads**

**Meeting Room 5**

Moderator: *David Rettner*, American Engineering Testing, Inc.

**A Markovian Alternative to Concrete Pavement Condition Monitoring**

*Bernard Izevbekhai*, Minnesota Department of Transportation

**Life Cycle Assessment of Reclaimed Asphalt Pavement to Improve Asphalt Pavement Sustainability**

*Christopher DeDene*, Department of Civil Engineering, University of Minnesota

**Evaluation of In-Situ Variability of Concrete Pavement Thickness and Revised Measurement Frequency Protocol**

*Mary Vancura*, Department of Civil Engineering, University of Minnesota

**3 Supply Chain Changes and Productivity**

**Meeting Room 4**

Moderator: *Jeremy LaCroix*, Minnesota Department of Employment and Economic Development

**Transportation Economic Development Analysis (TEDA) Project – Developing a Multi-Modal, Multi-Agency Effort Promoting Statewide Economic Development and Partnerships**

*Phil Barnes*, Minnesota Department of Transportation

**Frac Sand, Oil Shale and Gas, and Watershed Changes in Energy Transportation**

*Tom Beekman*, Wisconsin Department of Transportation

**Evaluation of Logistics Led Economic Development Activities**

*Jason Bittner*, Center for Urban Transportation Research, University of South Florida

**4 Transitways: Connecting Jobs and Workers**

**Meeting Room 3**

Moderator: *Will Schroerer*, Minneapolis Regional and Saint Paul Area Chambers of Commerce

**Both Ends of the Commute: Research on How to Achieve System-Level, Transit-Oriented Jobs-Housing Balance**

*Yingling Fan*, Humphrey School of Public Affairs, University of Minnesota

**Regional Transit System Return on Investment Assessment**

*Jay Cowles*, The Itasca Project

**5 Spotlight on TZD**

**Meeting Room 2**

Moderator: *Sue Groth*, Minnesota Department of Transportation

**2012 TZD Regional Evaluation Report: Findings and Lessons from Centrally Supported Grassroots Efforts to Improve Roadway Safety**

*Katie Fleming and Eric DeVoe*, Minnesota Department of Transportation

**Evaluating the Effectiveness of State Toward Zero Deaths Programs**

*Nam Nguyen*, Humphrey School of Public Affairs, University of Minnesota

**Minnesota TZD Overview and Successes**

*Sue Groth*, Minnesota Department of Transportation

**11:45-1:30 p.m. – Luncheon and Presentation  
Grand Ballrooms A-B**

**Opening Comments**

*Charles Zelle*, commissioner, Minnesota Department of Transportation

**Keynote Presentation**

**New Mobility Options**

*Elizabeth Deakin*, professor of city and regional planning, University of California, Berkeley

New mobility options—systems innovations that integrate new technologies and new ways of delivering and consuming transportation services—are being developed to address many growing transportation challenges. These options make use of new information technologies and advances in sensors, control systems, materials, and designs, as well as new approaches to developing, financing, managing, and marketing transportation services. New mobility options include carsharing and bikesharing, new forms of carpooling, smart transit and paratransit, and smart cars and highways.

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**1:30-1:45 – Break**

**1:45-3:00 – Concurrent Sessions**

**6 Rural Road Safety**

**Meeting Room 6**

Moderator: *Vic Lund*, St. Louis County Public Works

**Update on Minnesota’s County Roadway Safety Plan**

*Howard Preston*, CH2M HILL

**Development and Evaluation of an Advanced LED Warning System for Rural Intersections: Phase 2 (ALERT 2)**

*Taek Kwon and Husam Ismail*, Department of Electrical Engineering, University of Minnesota Duluth

**Rural Intersection Conflict Warning Systems**

*Ken Hansen*, Minnesota Department of Transportation

## **7 Moving Water: Culvert Design and Bridge Scour**

### **Meeting Room 5**

Moderator: *Walter Eshenaur*, SRF Consulting Group, Inc.

#### **Culvert Pipe Materials and Durability: Making the Right Selection for Minnesota**

*Craig Taylor*, St. Anthony Falls Laboratory, University of Minnesota

#### **Fixed Scour Monitoring Implementation in Minnesota**

*Matthew Lueker*, St. Anthony Falls Laboratory, University of Minnesota

#### **Response of the Miller Creek Sumped Culvert with Natural Streambed during the Duluth Floods of 2012**

*Eric Roerish*, SRF Consulting Group, Inc.;  
*Peter Leete*, Minnesota Department of Natural Resources

## **8 Economic Benefits of Transportation Choice for Employers and Households**

### **Meeting Room 4**

Moderator: *Joan Pasiuk*, Transit for Livable Communities/Bike Walk Twin Cities

#### **Economic Benefits of Telework for Employers**

*Emily Saunoi-Sandgren*, Humphrey School of Public Affairs, University of Minnesota

#### **HOURCAR Program**

*Christopher Bineham*, Neighborhood Energy Connection

#### **Public Bike Sharing Program**

*Bill Dossett*, Nice Ride Minnesota

#### **Cycles for Change Community Bike Shop**

*Claire Stoscheck*, Cycles for Change Community Bike Shop

## **9 Street Smarts with Complete Streets**

### **Meeting Room 3**

Moderator: *Chris Hiniker*, SEH, Inc.

#### **Planning and Implementation of Complete Streets at Multiple Scales**

*Carissa Schively Slotterback* and *Cindy Zeger*, Humphrey School of Public Affairs, University of Minnesota

#### **Complete Streets – A Resource for Minnesota Local Agencies**

*Joni Giese*, SRF Consulting Group, Inc.

#### **NCHRP Visual Impact Assessment Study Findings**

*Craig Churchward*, Avenue Design Partners/  
Scenic Quality Consultants

## **10 Corridors of Opportunity Innovations in Community Engagement**

### **Meeting Room 2**

Moderator: *Joan Vanhala*, Alliance for Metropolitan Stability

#### **Panel Discussion on Best Practices, Successes, and Challenges of Transitway Community Engagement**

*David Kang*, Asian Media Access; *Asad Aliweyd*, New American Academy Charter School for Somali Youth; *Wokie Freeman*, African Careers Education Resource, Inc.

**3:00-3:15 – Break**

**3:15-4:30 – Concurrent Sessions**

## **11 Tools for Making Intersections Safer**

### **Meeting Room 6**

Moderator: *Bryan Nemeth*, Bolton & Menk, Inc.

#### **An Automatic Performance Evaluation and Diagnosis Tool for Arterial Traffic Signal Systems**

*Jianfeng Zheng*, Department of Civil Engineering, University of Minnesota

#### **A New Approach to Robust Non-Intrusive Traffic Detection at Intersections**

*Chad Stelzig*, Image Sensing Systems

#### **Kentucky's First Double Crossover Diamond Interchange: One Year Later**

*Brian Aldridge*, Stantec Inc.

## 12 Roadway Maintenance Techniques

### Meeting Room 5

Moderator: *Roger Olson*, Minnesota Department of Transportation

#### **Evaluation of Rapid-Hardening Cementitious Mixes for Partial Depth Repair of Rigid Pavements**

*Eshan Dave*, Department of Civil Engineering, University of Minnesota Duluth

#### **Evaluate and Develop Innovative Pavement Repair and Patching: Taconite-Based Repair Options – A Summary of Efforts to Date**

*Lawrence Zanko*, Natural Resources Research Institute, University of Minnesota Duluth

#### **Innovative Corridor Maintenance: The Trunk Highway 100 Project**

*Dale Dombroske*, Minnesota Department of Transportation

## 13 Understanding Minnesota's Freight Economy

### Meeting Room 4

Moderator: *Tim Spencer*, Minnesota Department of Transportation

#### **Understanding and Enhancing the Value of Freight Economy in Minnesota**

*Lee Munnich* and *Frank Douma*, Humphrey School of Public Affairs, University of Minnesota

#### **Impacts of Biofuel Production and Distribution on Minnesota Agricultural Transportation**

*Jerry Fruin*, Department of Applied Economics, University of Minnesota

#### **Draft Minnesota Statewide Ports and Waterways Plan**

*Matthew Pahs*, Minnesota Department of Transportation

## 14 Forecasting and Travel Behavior

### Meeting Room 3

Moderator: *Jeffrey Peltola*, Public Works for Public Good

#### **Twin Cities Travel Behavior Inventory**

*Jonathan Ehrlich*, Metropolitan Council

#### **The MnDOT Bicycle and Pedestrian Counting Initiative: Progress and Opportunities**

*Greg Lindsey*, Humphrey School of Public Affairs, University of Minnesota; *Lisa Austin*, Minnesota Department of Transportation

#### **Creative Forecasting for a Complex Project – I35W North Managed Lanes Study**

*Paul Morris*, SRF Consulting Group, Inc.

## 15 Media Smarts for Community Engagement

### Meeting Room 2

Moderator: *Michael Marti*, SRF Consulting Group, Inc.

#### **Leveraging YouTube as a LRRB Communication Tool**

*Renae Kuehl*, SRF Consulting Group, Inc.; *Farideh Amiri*, Minnesota Department of Transportation

#### **Teen Driving – Message to the Parents!**

*Gordy Pehrson*, Minnesota Department of Public Safety

#### **Lessons from Tweets and Likes: Metro Transit and Social Media**

*Sharon Feiner* and *John Siqveland*, Metro Transit

**4:30-5:30 – Reception with Hors d'oeuvres and Cash Bar**

**Thursday, May 23, 2013**

**8:00-8:30 a.m. – Continental Breakfast**

**8:30-10:15 – Concurrent Sessions**

## **16 Stayin' Alive: Pedestrians and Crash Victims**

**Meeting Room 6**

Moderator: *Tom Sohrweide*, SEH Inc.

### **CrashHelp in Minnesota: An Innovation to Improve Traffic Crash Emergency Medical Response**

*Thomas Horan*, Center for Excellence in Rural Safety, University of Minnesota

### **Enhanced Red Light Enforcement System Testing for Traffic Safety**

*Ben Hao*, URS Corporation

### **Safety Impacts and Pedestrian Accommodations in Continuous Flow Intersections**

*Lawrence Lambert II*, Stantec Inc.

### **Minnesota's Best Practices for Pedestrian Safety**

*Howard Preston*, CH2M HILL

## **17 Bridge Innovations**

**Meeting Room 5**

Moderator: *Brian Homan*, Minnesota Department of Transportation

### **Investigation and Repair of the Diefenbaker Bridge Fracture**

*Reed Ellis*, Stantec Inc.

### **Monitoring and Modeling of the I-35W St. Anthony Falls Bridge**

*Brock Hedegaard*, Department of Civil Engineering, University of Minnesota

### **Shear Distribution in Prestressed Concrete Girder Bridges**

*Ben Dymond*, Department of Civil Engineering, University of Minnesota

### **Innovative Bridge Construction for Minnesota Local Roads**

*Christopher Werner*, HDR Engineering, Inc.

## **18 Paying for Mature Transportation**

**Meeting Room 4**

Moderator: *Amy Vennewitz*, Metropolitan Council

### **20 Years of the Twin Cities "A" Minor Arterial System: Findings from a Funding Assessment**

*Mary Karlsson*, Metropolitan Council; *Steve Peterson*, SRF Consulting Group, Inc.

### **Rural Highway Expansion and Economic Development: Impacts on Private Earnings and Employment**

*Michael Iacono*, Department of Civil Engineering, University of Minnesota

### **Findings from the Minnesota Road Fee Test**

*Cory Johnson*, Minnesota Department of Transportation

### **Matching Revenue Streams to Needs**

*Ryan Wilson*, Minnesota Department of Transportation

## **19 Active Transport and Public Health**

**Meeting Room 3**

Moderator: *Lance Bernard*, SRF Consulting Group, Inc.

### **Measuring Particulate Air Pollution Using a Mobile, Bicycle-Based Platform: Implications for Cyclists' and Pedestrians' Exposure to Urban Air Pollution**

*Steve Hankey*, Department of Civil Engineering, University of Minnesota

### **Bike Share System Growth and Physical Activity: A Case Study of Nice Ride Minnesota**

*Jessica Schoner*, Humphrey School of Public Affairs, University of Minnesota; *Nirupa Galagedera*, Wayzata High School

### **Bike-Friendly Cities: Built Environment, Transportation Infrastructure, and Travel Attitude Impacts on Propensity and Frequency of Utilitarian Bicycling**

*Jessica Schoner*, Humphrey School of Public Affairs, University of Minnesota

## **Steps for Improving Vehicle Sharing Among Transportation Providers in Minnesota**

*Frank Douma and Thomas Garry, Humphrey School of Public Affairs, University of Minnesota*

## **20 Public Perceptions and Engagement**

### **Meeting Room 2**

Moderator: *Kathryn Quick, Humphrey School of Public Affairs, University of Minnesota*

### **Capital “T” Stands for “Trust”: Collaborative Outreach in Central Corridor Transit Planning**

*Jill Hentges and Cyndi Harper, Metro Transit; Karyssa Jackson, District Councils Collaborative of Saint Paul and Minneapolis*

### **Communicating Among Expert and Public Perceptions of Local Road Systems Resilience in Minnesota**

*Kathryn Quick, Humphrey School of Public Affairs, University of Minnesota*

### **Public Art and Urban Trails: A Case Study of Minneapolis**

*Rachel Engh, Humphrey School of Public Affairs, University of Minnesota*

### **A Comparative Review of Stakeholders and LRT Development Planning**

*Sam O’Connell, Metro Transit*

**10:15-10:30 – Break**

**10:30-12:00 p.m. – Concurrent Sessions**

## **21 The Safety Side: Laws, Licensing, Liability**

### **Meeting Room 6**

Moderator: *Scott Peterson, Minnesota Department of Transportation*

### **Impacts of Minnesota’s Primary Seatbelt Law**

*Frank Douma, Humphrey School of Public Affairs, University of Minnesota*

### **From Children to Adults: Protecting our Adolescent Drivers – Does GDL Work in Minnesota?**

*Leslie Seymour, Minnesota Department of Health*

## **Impact of Liability Rules on Rear Ending Crashes**

*Indrajit Chatterjee, Department of Civil Engineering, University of Minnesota*

## **Investigating Deployment Scenarios for Automated Speed Enforcement in Minnesota**

*Thomas Garry, Humphrey School of Public Affairs, University of Minnesota*

## **22 Protecting Our Air and Water**

### **Meeting Room 5**

Moderator: *Biz Colburn*

### **Statewide Evaluation of Soils for Improving Construction Site Discharge Through Site-Specific Chemical Treatment**

*Stephen Druschel, Department of Mechanical and Civil Engineering, Minnesota State University Mankato*

### **Effluent and Material Management from Barge Work Surfaces for Large Bridge Construction: Implications for Research**

*Dwayne Stenlund, Minnesota Department of Transportation*

### **Maximizing Goals for Stormwater and Forestry - an Urban Street Reconstruction Case Study**

*Wes Saunders-Pearce and Zach Jorgensen, City of Saint Paul*

## **23 Stretching the Transportation Dollar**

### **Meeting Room 4**

Moderator: *Lee Munnich, Humphrey School of Public Affairs, University of Minnesota*

### **21st Century Traffic Management Tools**

*Brian Kary, Minnesota Department of Transportation*

### **I-35W Urban Partnership Agreement Evaluation**

*Katie Turnbull, Texas A&M Transportation Institute*

### **High Return-on-Investment Transportation Strategies**

*Tom O’Keefe, Minnesota Department of Transportation*

## 24 Performance-Based Planning

### Meeting Room 3

Moderator: *Deanna Belden*, Minnesota Department of Transportation

#### **Conversion of the Twin Cities Transportation Policy Plan to a Performance Based Planning Methodology**

*Mark Filipi*, Metropolitan Council

#### **Performance Measures Related to Access Gaps - ROCOG's Experience**

*Phil Wheeler*, Rochester Council of Governments

#### **Sustainable Transportation Analysis and Rating System (STARS): Creating High-Performance Transportation Plans and Projects**

*Tim Burkhart*, Kimley-Horn and Associates

#### **Risk Assessment in Travel Forecasts**

*Stephen Wilson*, SRF Consulting Group, Inc.

## 25 The ABCs of ADA for Local Agencies

### Meeting Room 2

Moderator: *James Gersema*, SRF Consulting Group, Inc.

#### **Implementation of ADA Transition Plan in Sherburne County**

*John Menter*, Sherburne County; *Tim Arvidson*, Stonebrook Engineering

#### **Creating an iPad App for Field Inventory**

*Don Elwood*, City of Minneapolis

#### **ADA Retrofit and Construction Management: Richfield and Breckenridge, Minnesota**

*Tim Lamkin*, HR Green; *Liz Finnegan*, City of Richfield

**12:00 Noon – Adjourn**

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## Professional Development Hours (PDHs)

This conference awards up to 10.5 Professional Development Hours (PDHs).

## AICP Maintenance Credits

A request for 19.25 American Institute of Certified Planners (AICP) Certification Maintenance credits has been submitted for the opening plenary presentation, luncheon plenary presentation, and several conference sessions. A list of the sessions approved for credit will be posted online at <http://www.cts.umn.edu/events/conference/2013> when it becomes available and will also be available at the conference registration table.

## CTS Will Be Covering This Year's Research Conference on Twitter!

You can join the conversation in three ways:

1. Go to <http://www.twitter.com> and search for our feed (#ctsresconf).
2. Go to the feed directly: <http://twitter.com/#search?q=ctsresconf>.
3. If you have Twitter SMS on your cellular phone or a Twitter app installed on your 3G phone, feel free to join the conversation! Just be sure to include the hashtag #ctsresconf in your post.

## Mark Your Calendars

### Toward Zero Deaths Conference

November 14-15, 2013

Saint Cloud River's Edge Convention Center, Saint Cloud, Minnesota

### 25th Annual Transportation Research Conference

May 21-22, 2014

Saint Paul RiverCentre, Saint Paul, Minnesota

### Minnesota's Transportation Conference

March 4-6, 2014

DoubleTree by Hilton – Bloomington Bloomington, Minnesota

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## Planning Committee

*Farideh Amiri*, Minnesota Department of Transportation

*Mary Kay Bailey*, Minnesota Philanthropy Partners

*Philip Barnes*, Minnesota Department of Transportation

*Kirby Becker*, Minnesota Department of Transportation

*Lowell Benson*

*Lynne Bly*, Minnesota Department of Transportation

*Ken Buckeye*, Minnesota Department of Transportation

*Craig Churchward*, Avenue Design Partners  
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*Frank Douma*, University of Minnesota

*Jonathan Ehrlich*, Metropolitan Council

*Mona Elabbady*, SRF Consulting Group, Inc.

*Dale Grove*, Stantec

*Ken Hansen*, Minnesota Department of Transportation

*Jill Hentges*, Metro Transit

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*Mihai Marasteanu*, University of Minnesota

*Michael Marti*, SRF Consulting Group, Inc.

*Kristy Morter*, Hennepin County

*Bryan Nemeth*, Bolton & Menk, Inc.

*Matt Oman*, Braun Intertec

*Jeff Peltola*, Public Works for Public Good

*Steve Peterson*, SRF Consulting Group, Inc.

*Gavin Poindexter*, URS Corporation

*Carol Shield*, University of Minnesota

*Fay Simer*, Minnesota Department of Transportation

*Tom Sohrweide*, SEH Inc.

*John Tompkins*, Minnesota Department of Transportation

*Members and Friends of the Education and Outreach Council*

*Assisted by Center for Transportation Studies staff*

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UNIVERSITY OF MINNESOTA