22nd Annual

Transportation Research Conference

May 24-25, 2011
Crowne Plaza St. Paul Riverfront Hotel
St. Paul, Minnesota

University of Minnesota

Center for Transportation Studies
Welcome to the Conference

The University of Minnesota’s Center for Transportation Studies is pleased to present its 22nd Annual Transportation Research Conference, which 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.

Reception

A reception with hors d’oeuvres and a cash bar will take place following the final concurrent sessions on May 24 offering attendees a further opportunity to socialize with fellow participants and presenters.

Abstracts and Conference Presentations Online

The abstracts and PowerPoint presentations, for which we receive permission from the presenters, are available in PDF format at the following Web site: www.cts.umn.edu/Events/ResearchConf/.
Conference General Sessions

P3s–Public-Private Partnerships? Or Peripatetic Pain in the Pants?
Adrian Moore, Vice President of Research, Reason Foundation, Los Angeles, California
Panelists: Senator Scott Dibble, Minnesota Legislature; Lee Munnich, Humphrey School of Public Affairs, University of Minnesota; Jay Lindgren, Dorsey & Whitney LLP; Brad Larsen, Minnesota Department of Transportation

As state governments struggle to meet growing transportation infrastructure needs, leveraging existing resources through the use of public-private partnerships (P3s or PPPs) has become increasingly attractive. PPPs are agreements that allow private companies to take on traditionally public roles in infrastructure projects while keeping the public sector accountable for a project and the overall service to the public.

Adrian Moore will discuss the role P3s might play in Minnesota’s transportation future. He will review trends in transportation P3s and what drives them, examine the pros and cons of P3s, describe current innovations and evolutions in P3s, and discuss how P3s are being used and what crucial elements help them succeed.

Following his presentation, a panel of local transportation leaders will discuss the future of P3s in Minnesota.

Driven Apart
Joe Cortright, President and Principal Economist, Impresa, Portland, Oregon, and Senior Adviser, CEOs for Cities

What’s the real reason Americans spend so much time in traffic? In Driven Apart, a recent report prepared for CEOs for Cities and funded by the Rockefeller Foundation, Joe Cortright offers a new view of the relationship between transportation performance and urban development patterns. This work provides an alternative to the 25-year-old industry standard created by the Texas Transportation Institute’s Urban Mobility Report (UMR), which is often used to justify expenditures for new roads and highways. The surprising analysis says the solution to congestion has much more to do with how we build our cities than how we build our roads. The report says compact cities are the real answer to reducing traffic delays and lays out an alternative set of accessibility-based measures of urban transportation performance that provide a better guide to policymakers.

Joe Cortright will share highlights from this report, Driven Apart: How Sprawl is Lengthening Our Commutes and Why Misleading Mobility Measures are Making Things Worse, at the conference luncheon.
## PROGRAM AT A GLANCE

### TUESDAY, MAY 24, 2011

<table>
<thead>
<tr>
<th>Time</th>
<th>Track 1: Safety and Traffic Flow</th>
<th>Track 2: Education and Outreach</th>
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<tbody>
<tr>
<td>7:30-8:30 a.m.</td>
<td>Registration and Buffet Breakfast</td>
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<td>8:30-10:00 a.m.</td>
<td>Welcome – Laurie McGinnis, Director, Center for Transportation Studies, University of Minnesota</td>
<td>P3s–Public-Private Partnerships? Or Peripatetic Pain in the Pants? Adrian Moore, Vice President of Research, Reason Foundation, Los Angeles, CA</td>
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<td>MINNESOTA BALLROOM</td>
<td>Panelists: Senator Scott Dibble, Minnesota Legislature; Lee Munnich, Humphrey School of Public Affairs, University of Minnesota; Jay Lindgren, Dorsey &amp; Whitney LLP; Brad Larsen, Minnesota Department of Transportation</td>
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<td>10:00-10:30 a.m.</td>
<td>Rural Roadway Safety Through ITS</td>
<td>The Benefits and Challenges of Building Successful Collaborations</td>
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<td>Break and Poster Session</td>
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<tr>
<td>10:30-11:45 a.m.</td>
<td>Session 6</td>
<td>Session 7</td>
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<td>Freeway Analysis and Planning</td>
<td>Communicating Traffic Safety Messages to Teens and Young Adults</td>
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<tr>
<td>11:45 a.m.-1:30 p.m.</td>
<td>Luncheon and Presentation</td>
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<td>MINNESOTA BALLROOM</td>
<td>Keynote Presentation—Driven Apart</td>
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<td>Joe Cortright, President and Principal Economist, Impresa, Portland, Oregon, and NY</td>
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<td>1:45-3:00 p.m.</td>
<td>Session 11</td>
<td>Session 12</td>
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<td>Traffic Analysis Tools</td>
<td>Transportation: Its Impact on Quality of Life</td>
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<tr>
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<td>Break and Poster Session</td>
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<td>3:15-4:30 p.m.</td>
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<tr>
<td>4:30-5:30 p.m.</td>
<td>Reception with Hors d’oeuvres and Cash Bar</td>
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### WEDNESDAY, MAY 25, 2011

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<thead>
<tr>
<th>Time</th>
<th>Session 16</th>
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<tr>
<td>8:00-8:30 a.m.</td>
<td>Continental Breakfast</td>
<td>If You Build It They Will Come – Communicating to the Public During Major Construction Projects</td>
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<td>8:30-10:15 a.m.</td>
<td>Session 16</td>
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<td>Expose Yourself to Traffic Safety</td>
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<td>10:15-10:30 a.m.</td>
<td>Session 21</td>
<td>Session 22</td>
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<td>New Developments in Traffic Monitoring and Performance Improvements</td>
<td>Effective Communication Brings Value to Transportation Projects</td>
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<tr>
<td>10:30 a.m.-Noon</td>
<td>Session 21</td>
<td>Session 22</td>
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<td>Noon</td>
<td>Adjourn</td>
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<tr>
<td>Track 3: Economy</td>
<td>Track 4: Planning and the Environment</td>
<td>Track 5: Infrastructure</td>
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<td>GOVERNORS II</td>
<td>KELLOGG I</td>
<td>STATE II</td>
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- **Tuesday, May 24, 2011**
- **Track 1: Safety and Traffic Flow**
  - KELLOGG III
- **Track 2: Education and Outreach**
  - STATE I
- **Track 3: Economy**
  - GOVERNORS II
- **Track 4: Planning and the Environment**
  - KELLOGG I
- **Track 5: Infrastructure**
  - STATE II

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    - Adrian Moore, Vice President of Research, Reason Foundation, Los Angeles, California
  - Panelists:
    - Senator Scott Dibble, Minnesota Legislature
    - Lee Munnich, Humphrey School of Public Affairs, University of Minnesota
    - Jay Lindgren, Dorsey & Whitney LLP
    - Brad Larsen, Minnesota Department of Transportation

- **10:00-10:30 a.m.**
  - Break and Poster Session

- **10:30-11:45 a.m.**
  - Session 1: Rural Roadway Safety Through ITS
  - Session 2: The Benefits and Challenges of Building Successful Collaborations
  - Session 3: Measuring the Freight System
  - Session 4: Regional Planning
  - Session 5: Public-Private Partnerships

- **11:45 a.m.-1:30 p.m.**
  - Lunch and Presentation
  - Keynote Presentation – Driven Apart
    - Joe Cortright, President and Principal Economist, Impresa, Portland, Oregon, and Senior Adviser, CEOs for Cities

- **1:30-1:45 p.m.**
  - Break and Poster Session

- **1:45-3:00 p.m.**
  - Session 6: Freeway Analysis and Planning
  - Session 7: Communicating Traffic Safety Messages to Teens and Young Adults
  - Session 8: Transportation, Land Use, and the Economy
  - Session 9: Innovative Transit
  - Session 10: Pavement Research

- **3:00-3:15 p.m.**
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  - Session 11: Traffic Analysis Tools
  - Session 12: Transportation: Its Impact on Quality of Life
  - Session 13: Integrating Sustainability into Transportation Planning and Decision-Making Processes
  - Session 14: Innovative Transit
  - Session 15: Pavement and Road Operations Management

- **4:30-5:30 p.m.**
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- **Wednesday, May 25, 2011**
- **8:00-8:30 a.m.**
  - Continental Breakfast

- **8:30-10:15 a.m.**
  - Session 16: Expose Yourself to Traffic Safety
  - Session 17: If You Build It They Will Come – Communicating to the Public During Major Construction Projects
  - Session 18: The Future of User Charges
  - Session 19: Preparing for Complete Streets: New Planning Methods to Accommodate All Modes
  - Session 20: We’ll Cross That Bridge When We Come to It

- **10:15-10:30 a.m.**
  - Break

- **10:30 a.m.-noon**
  - Session 21: New Developments in Traffic Monitoring and Performance Improvements
  - Session 22: Effective Communication Brings Value to Transportation Projects
  - Session 23: Moving Energy for Transportation
  - Session 24: Evaluating Transit and Trail Use
  - Session 25: Stormwater Management

- **noon**
  - Adjourn
PROGRAM SCHEDULE
TUESDAY, MAY 24, 2011

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

8:30-10:00
Welcome
MINNESOTA BALLROOM
Laurie McGinnis, Director, Center for Transportation Studies, University of Minnesota

P3s—Public-Private Partnerships?
Or Peripatetic Pain in the Pants?
Adrian Moore, Vice President of Research, Reason Foundation, Los Angeles, California
Panelists: Senator Scott Dibble, Minnesota Legislature; Lee Munnich, Humphrey School of Public Affairs, University of Minnesota; Jay Lindgren, Dorsey & Whitney LLP; Brad Larsen, Minnesota Department of Transportation

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10:00-10:30
Break and Poster Session

10:30-11:45
Concurrent Sessions

1 Rural Roadway Safety Through ITS
KELLOGG III
Moderator: Dennis Foderberg, SEH Inc.
Rural ITS Safety Solution Systems
Thomas Sohrweide, SEH Inc.
Development and Evaluation of an Advanced LED Warning System for Rural Intersections
Taek Kwon, Department of Electrical and Computer Engineering, University of Minnesota-Duluth
Using ITS to Improve Safety on Rural Highways
Wayne Fingalson, Wright County Highway Department

2 The Benefits and Challenges of Building Successful Collaborations
STATE I
Moderator: Mindy Carlson, Center for Transportation Studies, University of Minnesota
E-Workplace: Telecommuting Reduces Congestion in the Twin Cities Metropolitan Area
Adeel Lari, Humphrey School of Public Affairs, University of Minnesota
The Benefits of the Collaborative Process of Compromise: A Case Study from Alexandria, Minnesota
Jack Forslund, WSB & Associates, Inc.
Regional Transitway Guidelines
Cole Hiniker and Mary Karlsson, Metropolitan Council

3 Measuring the Freight System
GOVERNORS II
Moderator: Jonathan Ehrlich, Metropolitan Council
Applied GIS Analysis and Visualization of Mode-Based Commodity Flows Using the FHWA Freight Analysis Framework
Brad Digre, Wilbur Smith Associates
Minnesota Highway Cost Allocation Study
Hao-Wei Chen, Industrial and Systems Engineering Program, University of Minnesota

Can the Trucking Industry Benefit From Distance-Based Fees?
Ferrol Robinson, Humphrey School of Public Affairs, University of Minnesota

4 Regional Planning
KELLOGG I
Moderator: Connie Kozlak, Metropolitan Council

2030 Regional Transportation Policy Plan
Carl Ohrn, Metropolitan Council

Assessing Neighborhood and Social Influences of Transit Corridors
Yingling Fan, Humphrey School of Public Affairs, University of Minnesota

Region: Planning the Future of the Twin Cities
Thomas Luce, University of Minnesota Law School

5 Public-Private Partnerships
STATE II
Moderator: Matt Shands, Minnesota Department of Transportation

Public-Private Partnership (P3) Exploration
Brad Larsen, Minnesota Department of Transportation

Alternative Models for Transportation Construction Procurement Auctions
Justin Azadivar, Industrial and Systems Engineering Program, University of Minnesota

Advancing Public Interest in the Launch of PPPs
Emily Saunoi-Sandgren, Humphrey School of Public Affairs, University of Minnesota

11:45-1:30 p.m.
Luncheon and Presentation
MINNESOTA BALLROOM

Keynote Presentation – Driven Apart
Joe Cortright, President and Principal Economist, Impresa, Portland, Oregon, and Senior Adviser, CEOs for Cities

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Break and Poster Session

1:45-3:00
Concurrent Sessions

6 Freeway Analysis and Planning
KELLOGG II AND III
Moderator: James McCarthy, Federal Highway Administration-Minnesota Division

Fargo-Moorhead Interstate Operations Study
Paul Morris, SRF Consulting Group, Inc.; Katherine White, Fargo-Moorhead Council of Governments
Twin Cities Congestion Management Safety Plan, Phase III  
*Todd Polum*, SRF Consulting Group, Inc.

A Study of the Operational Flexibility of DDIs: Real Minnesota Examples  
*Leif Garnass*, SRF Consulting Group, Inc.

7 Communicating Traffic Safety Messages to Teens and Young Adults  
**STATE I**

Moderator: *Gordy Pehrson*, Minnesota Department of Public Safety, Office of Traffic Safety  

Young Forever  
*Lt. Eric Roeske*, Minnesota State Patrol

Driver Distraction: Instructional Video Game for the New Driver  
*David Glick*, David B. Glick & Associates, LLC

Southeastern Minnesota Teen Tool Kit  
*Lt. Randy Slinger*, Minnesota State Patrol; *Nelrae Succio*, Minnesota Department of Transportation

8 Transportation, Land Use, and the Economy  
**GOVERNORS II**

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

Minnesota’s Transportation Economic Development (TED) Pilot Program  
*Matt Shands*, Minnesota Department of Transportation

Corridor Preservation Planning for Freeway Conversion and Airport Expansion in Rochester, Minnesota  
*Charlie Reiter*, Rochester-Olmsted Council of Governments; *Mark Schoenfelder*, Minnesota Department of Transportation; *Steve Peterson*, SRF Consulting Group, Inc.

The Interchange: Stage I Environmental Assessment  
*Debra Brisk*, Kimley-Horn and Associates, Inc.; *Chuck Ballentine*, Hennepin County

9 Innovative Transit  
**KELLOGG I**

Moderator: *Gavin Poindexter*, URS Corporation  

Impact of Transit Signal Priority on Bus Service Performance  
*Chen-Fu Liao*, Department of Civil Engineering, University of Minnesota

Arterial Transitway Corridors Study  
*Charles Carlson*, Metro Transit

Viability of Modern Personal Rapid Transit Applications  
*Ferrol Robinson*, Humphrey School of Public Affairs, University of Minnesota

10 Pavement Research  
**STATE II**

Moderator: *Jill Thomas*, Minnesota Asphalt Pavement Association  

Rough Roads are Expensive for Minnesota Motorists  
*Luke Johanneck*, Minnesota Department of Transportation

Simple Test to Determine Low Temperature Material Parameters Used in ME Pavement Design Guide  
*Augusto Cannone Falchetto*, Department of Civil Engineering, University of Minnesota

Non-destructive Evaluation of Pavements Using an Emerging Ultrasonic Tomography Method  
*Kyle Hoegh*, Department of Civil Engineering, University of Minnesota

3:00-3:15  
Break and Poster Session  

3:15-4:30  
Concurrent Sessions
11 Traffic Analysis Tools
KELLOGG III
Moderator: Lowell Benson
Vision-Based Bicyclist and Pedestrian Counting Systems
Guruprasad Somasundaram, Department of Computer Science and Engineering, University of Minnesota
Measuring Managed Highways: Emerging Tools for the Emerging Roadway System
Steve Wilson, SRF Consulting Group, Inc.
Weekday Peak Hour Mean Flow Estimation Using Two-Day Short-Count Data
Hui Xiong, Department of Civil Engineering, University of Minnesota

12 Transportation: Its Impact on Quality of Life
STATE I
Moderator: Brian Smalkoski, Kimley-Horn and Associates, Inc.
Transportation and Quality of Life: Assessing and Comparing Dimensions
Kent Gustafson, Department of Forest Resources, University of Minnesota
It’s a Two-Way Street: Transportation and Public Health Intersect
Joanne Moze, Minnesota Department of Health; Amber Dallman, Minnesota Department of Health
Measuring What Matters: An Online Accessibility Mapping Tool
Gina Baas, Center for Transportation Studies, University of Minnesota

13 Integrating Sustainability into Transportation Planning and Decision-Making Processes
GOVERNORS II
Moderator: John Doan, SRF Consulting Group, Inc.
Mn/DOT’s Framework for Achieving Sustainable Transportation
Cindy Carlsson, Minnesota Department of Transportation
Developing a Model Framework for Regional Sustainability Planning and Implementation
Carissa Schively Slotterback, Humphrey School of Public Affairs, University of Minnesota
Air Quality and Urban Form in U.S. Urban Areas
Lara Clark, Department of Civil Engineering, University of Minnesota

14 Regional Governance and Collaboration
KELLOGG I
Moderator: Chris Hiniker, SEH Inc.
Evaluation of Governance of Transit in the Twin Cities Region
Judy Randall, Office of the State Legislative Auditor
Overview of Minnesota’s Area Transportation Partnerships, Metropolitan Planning Organizations, and Regional Development Commissions
Philip Schaffner, Minnesota Department of Transportation

15 Pavement and Road Operations Management
STATE II
Moderator: Farideh Amiri, Minnesota Department of Transportation
Pavement Management Tools for Minnesota
Michael Marti, SRF Consulting Group, Inc.
Highway Systems Operation Plan Update
Sue Lodahl, Minnesota Department of Transportation; Andrew Mielke, SRF Consulting Group, Inc.
Waste Shingles Help Address Low Volume Road Needs
Alan Forsberg, Blue-Earth County

4:30-5:30
Reception with Hors d’oeuvres and Cash Bar
Wednesday, May 25, 2011

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

8:30-10:15
Concurrent Sessions

16 Expose Yourself to Traffic Safety
KELOGG III
Moderator: Carla Stueve, SRF Consulting Group, Inc.
Update on Mn/DOT’s County Roadway Safety Plans
Howard Preston, CH2M Hill, Inc.
Using High-Resolution Detector and Signal Data to Support Crash Identification and Reconstruction
Indrajit Chatterjee, Department of Civil Engineering, University of Minnesota
The Predictive Power of Differences in Exposure and Individual Driver Characteristics for Accidents Among Tractor-Trailer Drivers
Stephen Burks, Division of Social Science, University of Minnesota-Morris
Rural Safety, Health, and Emergency Response
Tom Horan, Center for Excellence in Rural Safety, University of Minnesota

17 If You Build It They Will Come – Communicating to the Public During Major Construction Projects
STATE I
Moderator: Michael Marti, SRF Consulting Group, Inc.
I-35W Bridge
Kevin Gutknecht, Minnesota Department of Transportation
Crosstown Commons
John Griffith, Minnesota Department of Transportation
Twins Stadium
Chuck Ballentine, Hennepin County

18 The Future of User Charges
GOVERNORS II
Moderator: Kenneth Buckeye, Minnesota Department of Transportation
Innovative Parking Pricing Study
Frank Douma and Adeel Lari, Humphrey School of Public Affairs, University of Minnesota
MnPASS System Study Phase 2
Michael Sobolewski, Minnesota Department of Transportation
Mileage-Based User Fee Demonstration and Policy Study
Lee Munnich, Humphrey School of Public Affairs, University of Minnesota; Cory Johnson, Minnesota Department of Transportation

19 Preparing for Complete Streets: New Planning Methods to Accommodate All Modes
KELOGG I
Moderator: Merry Daher, Minnesota Department of Transportation
Mn/DOT’s Complete Streets Policy
Merry Daher, Minnesota Department of Transportation
A New Route to Complete Streets? Using the TCAPP Model in Grand Rapids, Minnesota
Matt Shands, Minnesota Department of Transportation; Laura Eash, Humphrey School of Public Affairs, University of Minnesota
Planning with Parks and Trails in Mind: Overview of and Implications from the 2011 Parks and Trails Planning Framework
Mary Vogel and Cindy Zerger, Center for Changing Landscapes, University of Minnesota
Cyclopath and Cycloplan: Collaborative Bicycle Planning and Routing
Loren Terveen, Department of Computer Science and Engineering, University of Minnesota; James Andrew, Metropolitan Council

20 We’ll Cross That Bridge When We Come to It
STATE II
Moderator: Paul Roweamp, Minnesota Department of Transportation
Blatnik and Bong Bridges Suspending Replacement: Maintaining Minnesota’s Unique Bridge Inventory
Laura Amundson, Parsons Brinckerhoff
Historic Approval of the Dunn Bridge Replacement
Brandi Popenhagen, WSB & Associates, Inc.
Historic Bridge Rehabilitation Strategies – Three Project Examples
Steven Olson, Olson & Nesvold Engineers, P.S.C.
Segmental Bridge Abutment Design Using Solid Finite Elements
Barritt Lovelace, WSB & Associates, Inc.

10:15-10:30
Break

10:30-Noon
Concurrent Sessions

21 New Developments in Traffic Monitoring and Performance Improvements
KELLOGG III
Moderator: Brian Kary, Minnesota Department of Transportation
Traffic Performance Measurements Using Event-Based Detector Data – Recent Developments on the SMART-SIGNAL System
Henry Liu, Department of Civil Engineering, University of Minnesota

Statewide Traffic Flow Data: Probe Vehicle Study for Iowa DOT
Erik Minge, SRF Consulting Group, Inc.
Arterial Travel Time Characterization and Real-Time Traffic Condition Identification Using GPS-Equipped Probe Vehicles
Yiheng Feng, Department of Civil Engineering, University of Minnesota

22 Effective Communication Brings Value to Transportation Projects
STATE I
Moderator: Shannon Tyree, City of St. Paul
An Engineering Approach to Writing: A Pilot Program for Civil Engineering Graduate Students
David White and Christianna White, Institute for Transportation, Iowa State University
E-Jam and Tech Connections: Mn/DOT Crowdsourcing, Collaboration, and Social Media for Research and Innovation
Kris Schulze and Jacob Akervik, Minnesota Department of Transportation
Best Practices: Managing Interaction Between Local Authorities and Major Traffic Generators
Michael Marti, SRF Consulting Group, Inc.
Developing a 50-Year Vision for Transportation in Minnesota
Philip Schaffner, Minnesota Department of Transportation

23 Moving Energy for Transportation
GOVERNORS II
Moderator: Christina Connelly, Minnesota Department of Agriculture
Determining Costs and Environmental Performance of Conventional and Alternative Vehicles
Douglas Tiffany, Department of Applied Economics, University of Minnesota
Transporting Solid, Liquid, and Gaseous Forms of Energy in North America
Jerry Fruin, Department of Applied Economics, University of Minnesota
Transporting Electrons for Vehicles: Adapting the North American Grid for Electric Vehicles
Bruce Wollenberg, Department of Electrical and Computer Engineering, University of Minnesota

24 Evaluating Transit and Trail Use
KELLOGG I
Moderator: Biz Colburn
2010 Twin Cities Transit On-Board Survey Results
Jonathan Ehrlich, Metropolitan Council
Measures of Urban Trail Use in Minneapolis
Kristopher Hoff and Greg Lindsey, Humphrey School of Public Affairs, University of Minnesota
The Greater Minnesota Transit Investment Plan
Noel Shughart, Minnesota Department of Transportation

25 Stormwater Management
STATE II
Moderator: Frank Pafko, Minnesota Department of Transportation
Performance of Swale in Infiltrating Stormwater Runoff and Rapid Infiltration Measurements in Swale
John Nieber, Department of Bioproduct and Biosystem Engineering, University of Minnesota
Environmental Constructability in Motion
Dwayne Stenlund, Minnesota Department of Transportation
Pervious Concrete Pavement
Mary Vancura, Department of Civil Engineering, University of Minnesota
Don't Hurt the Turtle: Resolving Conflicts of Natural Resource Regulations
Peter Leete, Minnesota DNR, Minnesota Department of Transportation Office of Environmental Services

Noon
Adjourn
Professional Development Hours (PDHs)
This conference awards Professional Development Hours (PDHs).

AICP Maintenance Credits
AICP maintenance credits have been approved for the opening plenary presentation, luncheon plenary presentation, and the following concurrent sessions: 2, 3, 4, 6, 8, 9, 12, 13, 14, 15, 18, 19, and 24.

CTS Will Be Covering This Year's Research Conference on Twitter!
You can join the conversation in three ways:
1. Go to www.twitter.com and search for our feed (#ctsresconf).
2. Go to the feed directly: 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 16-17, 2011
Duluth, Minnesota

Planning Committee
Farideh Amiri, Minnesota Department of Transportation
Lisa Austin, Minnesota Department of Transportation
Lowell Benson
Kenneth Buckeye, Minnesota Department of Transportation
Biz Colburn
Jessa Dauer, SRF Consulting Group, Inc.
John Doan, SRF Consulting Group, Inc.
Jonathan Ehrlich, Metropolitan Council
Jerry Fruin, University of Minnesota
Matt Gjersvik, Image Sensing Systems
Chris Hiniker, SEH Inc.
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Thomas Sohrweide, SEH Inc.
Carla Stueve, SRF Consulting Group, Inc.
Shannon Tyree, City of St. Paul
Mary Vancura, University of Minnesota

Assisted by Center for Transportation Studies staff

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