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Investigation of Low Temperature Cracking in Asphalt Pavements, National Pooled Fund Study - Phase II
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2012 ITS Institute Annual Report

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2012-13 CTS Research Highlights Video
Highlights of 2012-13 include a smartphone app for people with visual impairments, research on safety in roundabouts for pedestrians and bicyclists, bicycle tracking using GPS, and a filter for removing phosphates from storm water.

2012-13 CTS Education Highlights Video: MnDOT Internship Program
Participants in the 2012 summer internship program developed through a partnership among CTS, the ITS Institute, MnDOT, and Howard University describe their experiences and learnings.

2013 CTS Research Partnership Award: Pooled-fund study on low-temperature cracking in asphalt materials and asphalt pavement
Describes the collaborative research that has led to the development of new testing methods, specifications, and models for selecting asphalt materials that are resistant to thermal cracking.

SMART Signal
SMART Signal collects traffic data from signal controllers on arterial roads and generates real-time performance measures. Engineers can use this information to improve signal timing and reduce congestion.

Mobile Accessible Pedestrian Signal
The prototype Mobile Accessible Pedestrian Signal (MAPS) system uses a smartphone app, GPS, and other technologies to help people with limited or no eyesight cross signalized intersections safely.

CTS Seminar Series—2012
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February 7
“Towards a Low-Temperature Performance Specification for Asphalt Mixtures”
Mihai Marasteanu, Associate Professor, Department of Civil Engineering, University of Minnesota, Twin Cities

February 15
“Signalized Intersection Crossing for the Visually Impaired”
Chen-Fu Liao, Educational Systems Manager, Minnesota Traffic Observatory.

February 21
“Costs and Benefits of Living Snow Fences”
Gary Wyatt, Extension Educator, University of Minnesota Extension in Mankato

October 11
“25th Anniversary Seminar and Reception: Reinventing the User Experience in Transportation”
Hani Mahmassani, Director, Northwestern University Transportation Center

October 18
“Transportation Impacts of Transitways: A Case Study of the Hiawatha Line”
Jason Cao, Assistant Professor, Humphrey School of Public Affairs and Jessica Schoner, Graduate Student, Humphrey School of Public Affairs and Department of Civil Engineering

October 25
“Culvert Pipe Materials and Durability: Making the Right Selection for Minnesota”
Jeff Marr, Associate Director of Engineering and Facilities, St. Anthony Falls Laboratory

November 1
“Left-Turning Buses: Driver Task Analysis, Pedestrian Collisions, and Possible Solutions”
Ensar Becic, Research Associate, HumanFIRST Program of the ITS Institute.

November 8
“Innovative Parking Pricing”
Adeel Lari, Director of Innovative Financing in the State and Local Policy Program, Hubert H. Humphrey School of Public Affairs.

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