

16th Annual TERRA Pavement Conference February 9, 2012

Continuing Education and Conference Center
St. Paul, Minnesota

FINAL PROGRAM

- 7:30 a.m. **Registration and Continental Breakfast**
- 8:00 – 8:15 **Welcome and Plenary**
Rory Rhinesmith, Wisconsin Department of Transportation
Moderator: *Mark Maloney, City of Shoreview*
- 8:15 – 8:30 **Gerald Rohrbach Award Presentation**
Rick West, Ottertail Highway Department
- 8:30-9:15 **Quantifying the Sustainable Benefits of Pavement Preservation**
Tom Kazmierowski, Ministry of Transportation Ontario
The Ministry of Transportation Ontario (MTO) is dedicated to maintaining quality roadways in a sustainable manner. MTO has implemented pavement preservation strategies to maximize cost savings in repair operations and maintain pavement condition. Some of the challenges and solutions will be presented as well as the strategies to promote pavement preservation for sustainability.
- 9:15-10:00 **Managing Expectations – It’s Not Rocket Surgery!**
Don Theisen, Washington County Public Works
We have rising expectations for our transportation departments, we aren’t too eager to pay for it, and we assume the engineers will just figure it out. Government managers need to help elected officials and residents know what’s reasonable to expect. This session will present one engineer’s thoughts on how to manage those expectations.
- 10:00 – 10:30 **Networking**

10:30-12:00 p.m. **Concurrent Sessions – 1 and 2**

Session 1 – Room 135AC Asphalt Pavements Moderator: <i>Jerry Geib</i> , MnDOT
Guidelines for Project Selection, Design, and Construction of Stabilized Full-Depth Reclamation <i>David Jones</i> , University of California – Davis
The Importance of Tack Coats for Good Pavement and Overlay Performance <i>Eshan Dave</i> , University of Minnesota – Duluth
Rapid Implementation of Warm Mix Asphalt in Minnesota <i>Tim Clyne</i> , MnDOT

Session 2 – Room 135BD Concrete Pavements Moderator: <i>Fred Corrigan</i> , Aggregate and Ready Mix Association
New Concrete Design Guidelines for Cities and Counties <i>Dan Frentress</i> , Aggregate and Ready Mix Association of Minnesota
Innovations in Concrete Pavement Construction <i>Greg Felt</i> , Scott County Highway Department
Whitetopping: Current State of Design and Application in Minnesota <i>Tom Burnham</i> , MnDOT

12:00-1:00 **Lunch**

1:00 – 2:30 **Concurrent Sessions – 3 and 4**

Session 3 – Room 135AC Pavement Preservation Moderator: <i>Graig Gilbertson</i> , MnDOT
10-Year Performance of FDR with Asphalt Stabilization <i>Tom Kazmierowski</i> , Ontario Ministry of Transportation
Performance Evaluation of Minnesota’s HMA Crack Sealing Program <i>Jim McGraw</i> , MnDOT
Microsurfacing and Chip Seal Project Selection Factors <i>Doug Gransberg</i> , Iowa State University

1:00 – 2:30

Concurrent Sessions (continued)

Session 4 – Room 135BD Low Volume Roads Moderator: <i>Rick West</i> , Ottertail Highway Department	
	The New Normal for County Engineering <i>Sue Miller</i> , Freeborn County
	Chemical Stabilization with Non-Traditional Additives: Where Are We After 50+ Years of Research? <i>David Jones</i> , University of California – Davis
	North Dakota’s Experience with Heavy Loads on Low Volume Roads <i>Jack Olson</i> , ND DOT

2:30-2:45

Break

2:45 – 4:15

Plenary Sessions

Moderator: *Maureen Jensen*, MnDOT

2:45 – 3:15

What We’ve Learned So Far From Alternative Bid Projects

Dave Johnson, Consultant

Recently MnDOT and a few county agencies have allowed asphalt and concrete industries to bid competitively for the same project using alternative designs and life cycle cost analyses. The experiences of agencies and contractors with APTS will be presented.

3:15 – 3:45

MnROAD Research Results

Ben Worel, MnDOT

MnROAD has produced many significant research results that have been implemented and put into practice. This presentation will review both what has been implemented along with future implementation that is expected from the current research efforts.

3:45 – 4:15

Constructing the Indianapolis Speedway

Gerry Huber, Heritage Research Group

The Indianapolis Speedway is America’s most famous racetrack, with cars traveling at over 200 mph. In 2004 the track was repaved. This presentation will discuss the design and construction of one of the most demanding pavements in the world.

4:15 – 4:30

Q & A

4:30

Adjourn