

IOWA DEPARTMENT OF TRANSPORTATION

To Office Iowa Highway Research Board
Attention Regular and Alternate Members

Date May 20, 2009
Ref. No. 080.31

From Mark Dunn
Office Research and Technology Bureau
Subject **Board Meeting on May 29, 2009**

The May meeting of the Iowa Highway Research Board will be held on **Friday, May 29, 2009, at 9:00 A.M. at the East/West Materials Conference Rooms at the Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa.**

AGENDA

1. **Agenda review/modification.**
2. **Minutes from the March 2009 meeting**
3. **Final Report TR-572, "Improving Safety for Slow-Moving Vehicles on Iowa's High Speed Rural Roadways,"** Neal Hawkins, Iowa State University/InTrans (\$99,881) (15 mins)
4. **Final Report TR-576, "PHASE II: Investigation of Electromagnetic Gauges for Determination of In-Place Density of HMA Pavements,"** Chris Williams, Iowa State University/InTrans (\$50,896) (15 mins)
5. **ADD FUNDING TR-519, "Developing Flood-Frequency Discharge Estimation Methods for Small Drainage Basins in Iowa,"** David Eash, USGS
6. **Proposals Discussion for 08-08 Assessment of Iowa County Roadway Financing Needs**
Iowa County Engineers Association Service Bureau - Steve De Vries
Iowa State University/InTrans, CTRE and CCEE - Nadia Gkritza
7. **Innovative RFPs – Discussion and Selection for Short List of Presentations at June's Meeting**
Wireless Sensor Networks for Infrastructure Monitoring, M.D. Salim, University of Northern Iowa/ Department of Industrial Technology (\$74,842)

Innovative Nitrogen Removal for IDOT Rest Area Wastewaters, Gene Parkin, The University of Iowa/ IIHR (\$74,960)

Green and Sustainable Wastewater Management for Highway Rest Stops using Phyto-Treatment, Say Kee Ong, Iowa State University/InTrans (\$74,896)

A Prototype of Adaptive Vehicle Routing System for Congestion Relief Based Upon Wireless Access in Vehicular Environments (WAVE) Technology, Hong "Jeffrey" Nie, University of Northern Iowa/ Department of Industrial Technology (\$69,726)

On-the-Spot Damage Detection Methodology for Highway Bridges During Natural Crises, Salam Rahmatalla, The University of Iowa/CEE (\$69,092)

Field Testing of a Small-Scale, Segmentally Precast Bridge Pier for Accelerated Construction, Jon Rouse, Iowa State University/InTrans (\$74,913)

Cost-effective End Bearing Piles for Deep Foundations, Sri Sritharan, Iowa State University/InTrans (\$75,000)

Utilization of Biobased Products in Dust Control Applications for Unpaved Roads in Iowa, Halil Ceylan, Iowa State University/InTrans (\$50,000)

8. **Discussion:** Travel Meeting

9. **New business**

10. **Adjourn**

The next meeting of the Iowa Highway Research Board will be held on Friday, June 26, 2009 at 9:00 a.m. in the East/West Materials Conference Room at the Iowa DOT.

MJD