

## IOWA DEPARTMENT OF TRANSPORTATION

To Office Iowa Highway Research Board Date May 11, 2005  
Attention Regular and Alternate Members Ref. No. 080.31  
From Mark Dunn  
Office Research and Technology Bureau  
Subject Board Meeting on May 20, 2005

The May meeting of the Iowa Highway Research Board will be held on **Friday, May 20, 2005** (notice it is the second to last Friday of the month because of adjustments due to Memorial Day) at **9:30 A.M. in the Conference Room at the Iowa DOT District 4 Office in Atlantic, Iowa.**

### AGENDA

1. Agenda review/modification.
2. Minutes from the April 22, 2005 meeting.
3. Final Report for TR-422, "Pretreatment for Reduction of Asphalt Absorption in Porous Aggregate", Ed Engle, Iowa Department of Transportation. (Funding: \$14,000 - 40% Primary, 40% Secondary, and 20% Street) (15 minutes)
4. Final Report for TR-496, "Development of Standard Plans for the Design of Single Span Pretensioned, Prestressed Concrete Beam Bridges with Concrete Abutments", Mark Dunn, Iowa Department of Transportation. Project completed by Stanley Consultants, Inc. (Available electronically on CD - no printed copies) (Funding: \$179,250 - 100% Secondary) (5 minutes)
5. Discussion on development of updated/combined slab and concrete beam standards for Iowa DOT and county bridges. (Information will be made available at the meeting - nothing on CD) (15 minutes)
6. Final Report for TR-509, "AASHTO 2002 Pavement Design Guide Implementation Plan - Phases I and II" (Report titled: "Implementing the Mechanistic-Empirical Pavement Design Guide"), Brian Coree, Iowa State University/CTRE. (Final Report, Implementation Plan and Technology Transfer Summary included on CD) (Funding: \$78,003 - 80% Primary, 10% Secondary, and 10% Street) (15 minutes)
7. Proposal, "Instrumentation and Monitoring of Precast, Post-tensioned Bridge Approach Pavement", Mike LaViolette, Iowa State University/CTRE. (Proposed funding: \$149,126 - 49% Primary, 49% Secondary, and 2% Street) (15 minutes)
8. Proposal, "Developing Guidance for Use of Lighting on Rural and Urban Roadways in Iowa", Neal Hawkins, Iowa State University/CTRE. (Proposed funding: \$124,842 - 40% Primary, 58% Secondary, and 2% Street) (15 minutes)
9. Review of proposed Business Plan language regarding pilot projects for novel ideas and fundamental advances. (15 minutes)
10. New business.
11. Pre-tour presentation, John Thomas, Project Director, Hungry Canyons Alliance. (20 minutes)
12. Adjourn.

*Also included in the packet for your information (no Board action necessary):*

- *Details for the meeting and tour.*
- *Map of Atlantic.*

**Date of the following meeting is FRIDAY, JUNE 24, 2005 at 9:00 A.M. in the EAST/WEST MATERIALS CONFERENCE ROOM at the IOWA DOT, central complex in Ames, IA.**

**MD:slb**