

IOWA DEPARTMENT OF TRANSPORTATION

To Office	Iowa Highway Research Board	Date	January 26, 2005
Attention	Regular and Alternate Members	Ref. No.	080.31
From	Mark Dunn		
Office	Research and Technology Bureau		
Subject	Board Meeting on January 28, 2005		

The January meeting of the Iowa Highway Research Board will be held on **Friday, January 28, 2005 at 9:00 A.M.** in the **East/West Materials Conference Room**, at the Iowa Department of Transportation, central complex in Ames, Iowa.

AGENDA

1. Agenda review/modification.
2. Minutes from the December 9, 2004 meeting.
3. Announcement of new member/alternate appointments for the year.
4. Attendees' comments on the 84th Annual TRB Meeting. (10 minutes)
5. Review of proposals received from 2nd Solicitation for FY 04-05. (See list) (RFPs, Proposal Evaluation Form and Proposal Format Requirements are also included in the Board packet) (45 minutes)
6. Problem Statement, "Putting Stringless Paving into Practice", James Cable, Iowa State University/CTRE. (15 minutes)
7. Final Report TR-481, "Identification of the Best Practices for the Design, Construction, and Repair of Bridge Approach Sections", David White, Iowa State University/CTRE. (Funding: \$120,000 - 45% Primary, 50% Secondary, and 5% Street) (15 minutes)
8. Final Report TR-457, "Development of a Manual Crack Quantification and Automated Crack Measurement System", Hosin "David" Lee, The University of Iowa. (Funding: \$73,997 - 60% Primary and 40% Secondary) (15 minutes)
9. Extension Proposal TR-474 Phase II, "Validation of the Mix Design Process for Cold-In-Place Rehabilitation Using Foamed Asphalt", Hosin "David" Lee, The University of Iowa. (Current funding: \$98,798 - 60% Primary, 35% Secondary, 5% Street; Additional funding requested: \$42,044) (Memo of support included in packet) (15 minutes)
10. Final Report TR-499, "Effectiveness of Electrochemical Chloride Extraction for the Iowa Avenue Pedestrian Bridge", Rosanne Edwards, NNW, Inc. (Funding: \$30,000 - 80% Primary, 10% Secondary, and 10% Street) (15 minutes)
11. Final Report TR-459, "Reuse of Lime Sludge from Water Softening and Coal Combustion Byproducts", J. (Hans) van Leeuwen, Iowa State University. (Funding: \$67,133 - 25% Primary and 75% Street) (15 minutes)

12. Proposal, "Reuse of Lime Sludge from Water Softening and Coal Combustion Byproducts", J. (Hans) van Leeuwen, Iowa State University. (Proposed Funding: \$34,967 - 60% Primary, 30% Secondary, and 10% Street) (15 minutes)
13. Final Report TR-485, "Erosion Control for Highway Applications - Phase II: Development and Implementation of a Web-Based Expert System for Erosion and Sediment Control Measures", Marian Muste, The University of Iowa. (Funding: \$38,757 - 50% Primary, 40% Secondary, and 10% Street) (No paper final, review at <http://webdev.iuhr.uiowa.edu/ESCM/index.htm>) (15 minutes)
14. Proposal, "Implementation of the Water Quality Control BMPs and Design & Specifications Manuals in the Iowa Stormwater Runoff Control Interactive Manual", Marian Muste, The University of Iowa. (Proposed funding: \$44,048 - 55% Primary, 40% Secondary, and 5% Street) (15 minutes)
15. Review annual Calendar of Activities.
16. New business
17. Adjourn.

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

- *TRB Brochure*

Date of the following meeting is FRIDAY, FEBRUARY 25, 2005 at 9:00 A.M., in the EAST/WEST MATERIALS CONFERENCE ROOM at the IOWA DOT, central complex in Ames, IA.

MD:slb

PROPOSALS RECEIVED FROM SECOND SOLICITATION - FY 04-05

IHRB-04-21

Development of an Improved Integral Bridge Abutment-to-Approach Slab Connection, Brent Phares and Michael LaViolette, Iowa State University/CTRE; and Dean Bierwagen, Iowa Department of Transportation. (Proposed Funding: \$169,433 - 48% Primary, 48% Secondary, and 4% Street)

IHRB-04-17

Effective Shoulder Design and Maintenance, David J. White, Charles Jahren, Muhannad Suleiman, and E. Thomas Cackler, Iowa State University/CTRE. (Proposed Funding: \$103,323 - 45% Primary and 55% Secondary)

IHRB-04-13

Evaluation of Transverse Joint Forming Methods in PCC Pavement, James Cable, Iowa State University/CTRE. (Proposed Funding: \$79,240 - 50% Primary and 50% Secondary)

IHRB-04-11

Evaluation of Design-Flood Frequency Methods for Iowa Streams, Allen Bradley, The University of Iowa. (Proposed Funding: \$99,544 - 51% Primary, 45% Secondary, and 4% Street)

IHRB-04-14

Design Procedures and Field Monitoring of Submerged Barbs for Streambank Protection, Thanos Papanicolaou and Marian Muste, The University of Iowa. (Proposed Funding: \$140,000 - 48% Primary, 48% Secondary, and 4% Street)

RFPs, proposal format requirements, and proposal evaluation form included on CD.