

## IOWA HIGHWAY RESEARCH BOARD (IHRB)

*Minutes of July 27, 2023*

### **Regular Members Present**

J. Hauber  
D. Skogerboe  
R. Koester  
R. Knoche  
A. Bradley  
D. Sanders  
J. Thorius  
T. Roll  
A. Clemons  
W. Rabenberg  
B. Skinner

### **Alternate Members Present**

A. Karimpour

### **Members with No Representation**

C. Burke  
M. Rydl  
D. Snead

### **Executive Secretary**

V. Goetz

### **Administrative Assistant**

T. Bailey

### **Visitors**

Nancy Whitting	Transportation Research Board
Shauna Hallmark	Iowa State University
Peter Taylor	Iowa State University
Joel Fantz	Fayette County Engineer
Brian Moore	County Engineers Association Service Bureau
Lee Bjerke	County Engineers Association Service Bureau

### **Agenda**

1. Agenda review/modification  
Add agenda item for a quick update on The Low Volume Roads Conference from TRB.
2. Minutes Approval from the June 30, 2023 meeting  
Typo on page 2, bureau

Motion to Approve by A. Clemons 2nd by R. Koester  
Motion carried with 12, 0, 0

Nancy thanked the board for their generous support with the 13<sup>th</sup> TRB International Low Volume roads conference in Cedar Rapids Iowa. There was a new record set for the number of attendees to this conference. There were 364 people that registered, over 100 of the participants were from Iowa.

3. [Final Report TR-774, "Cold In-Place Recycling Project Selection and Guidance for Iowa Roadways"](#), Charles Jahren, \$250,000, (15 min).

Q. What thicknesses of pavements were you seeing out there and what was the thickness that were failing?

A. It is usually a three- or four-inch layer. With overlays we have two one and a half inch layers on top of each other. The three-inch milling layers did not completely fail the performance, it was just better with both layers being thicker.

Motion to Approve by R. Knoche 2nd by R. Koester  
Motion carried with 12, 0, 0

4. Proposal [IHRB-3590, "Iowa Highway Research Board 75 Year Anniversary History"](#), Oksana Gieseman, Iowa State University, \$75,000, (15 min).

Motion to Approve by W. Rabenberg 2nd by T. Roll  
Motion carried with 12, 0, 0

5. Proposal [IHRB-3768, "Development of Quality Standards for Inclusion of High Recycled Asphalt Pavement Content in Asphalt Mixtures – Phase V"](#), David Lee, University of Iowa, \$348,841, (15 min).

Motion to Approve by A. Bradley 2nd by J. Thorius  
Motion carried with 12, 0, 0

6. Proposal [IHRB-3225, Effect of Vibration on Concrete Mixtures](#)

- a. IHRB-3225, "Effect of Vibration on Concrete Mixtures," Todd Nelson, Wiss, Janney, Elstner Associates, Inc., \$218,000.
- b. IHRB-3225, "Effect of Vibration on Concrete Mixtures," Peter Taylor, Iowa State University, \$272,063.
- c. IHRB-3225, "Effect of Vibration on Concrete Mixtures," Mijia Yang, North Dakota State University, \$169,194.

Motion to Select & Approve Proposal B by Iowa State University by T. Roll 2nd by R. Koester  
Motion carried with 12, 0, 0

7. Proposal [IHRB-3560, Low Cost Safety Strategies for Unpaved Rural Roads](#)

- a. IHRB-3560, "Low Cost Safety Strategies for Unpaved Rural Roads," Shauna Hallmark, Iowa State University, \$191,771.
- b. IHRB-3560, "Low Cost Safety Strategies for Unpaved Rural Roads," Subasish Das, Texas State University, \$200,000.

Motion to Select & Approve Proposal A by Iowa State University by J. Thorius 2nd by A. Clemons  
Motion carried with 12, 0, 0

8. Proposal [IHRB-3851, Implementation of AASHTOWare BrR program for Rating Iowa Bridges](#),

- a. IHRB-3851, "Implementation of AASHTOWare BrR program for Rating Iowa Bridges," Tim Ambrecht, Michael Baker International, Inc. \$403,521.
- b. IHRB-3851, "Implementation of AASHTOWare BrR program for Rating Iowa Bridges," Steve Moffitt, HGM Associates Inc. Option 1 - \$897,312, Option 2 - \$1,365,408, Option 3 - \$1,740,768.
- c. IHRB-3851, "Implementation of AASHTOWare BrR program for Rating Iowa Bridges," Drew Bishop, Wiss, Janney, Elstner Associates, Inc. \$630,019.

Motion to table selection of a proposal for consideration until a later meeting by J. Hauber 2nd by R. Knoche.

Discussion: The Project Champion and Project Development Group reviewed the proposals and would like to re-evaluate the needs of the project. The recommendation is to go back to proposing teams and invite a collaborative proposal between Michael Baker International and HGM & Associates.

Motion carried with 12, 0, 0

9. New Business

The process has changed of how we apply for Federal grants and funding at the Iowa DOT and necessary IGOV review, involving staff from the Governor's office. Iowa DOT management has agreed that STIC, AID and T2 programs are integral part of the IHRB Business Practices and will only require review by Iowa DOT leadership. With this new change, we have the funding requests for this year's STIC projects that were selected earlier this summer. They been reviewed and approved, and we will go ahead and apply for STIC funding. This fall we will open a new campaign to solicit FFY24 STIC Incentive Project Ideas and IHRB will review project selection during the February meeting next year.

10. Adjourn

The next regular meeting of the Iowa Highway Research Board is scheduled for September 29, 2023 in the East/West Materials Conference Room at the Iowa DOT in Ames Iowa.

TB/VG