

# IOWA HIGHWAY RESEARCH BOARD (IHRB)

Minutes of October 25, 2024

## **Regular Members Present**

J. Hauber  
J. DeVries  
R. Koester  
R. Knoche  
J. Thorius  
T. Roll  
B. Wilkinson  
T. Wolken  
D. Snead

## **Alternate Members Present**

A. Buss  
A. Karimpour  
B. Billings  
D. Davenport

## **Members with No Representation**

A. Bradley  
D. Sanders

## **Executive Secretary**

V. Goetz

## **Administrative Assistant**

T. Bailey

## **Visitors**

Khyle Clute	Iowa County Engineers Association
Lee Bjerke	Iowa County Engineers Association
Wayne Sunday	Retired Iowa Department of Transportation
Ashley Buss	Iowa Department of Transportation
Linda Su	Iowa Department of Transportation
Justin Dahlberg	InTrans - Iowa State University
Keith Knapp	InTrans – Iowa State University
Joshua Stott	Federal Highway Administration

1. Agenda review/modification

Motion to Approve by T. Roll 2<sup>nd</sup> by J. Thorius  
Motion carried with 13, 0, 0

2. Minutes Approval from the June 28 & September 27, 2024 meetings

Motion to Approve by T. Roll 2<sup>nd</sup> by R. Knoche  
Motion carried with 13, 0, 0

3. Final Report TR-771, "Performance Evaluation of Very Early Strength Latex-Modified Concrete (LMC-VE) Overlay", Kejin Wang, Iowa State University, \$173,304 (20 min)

Q. Did you notice any tone difference you can hear from your car when driving on this new surface?

A. I have not had any experience with this.

Q. What is the minimum strength required for opening to traffic?

A. We get 2500 psi after three hours.

Motion to Approve by T. Roll 2<sup>nd</sup> by J. Hauber

Motion carried with 13, 0, 0

4. Final Report TR-798, "Impact of Legalized 25-kip Axle Loads for Self-Propelled Implements of Husbandry on Iowa Bridges", Justin Dahlberg, Iowa State University, 239,231 (20 min)

Q. How do you calibrate the model that we use static and dynamic?

A. We left dynamic response out, it's a static response model and have dynamic amplification factors that would be added to that if necessary.

Q. Would you say based on your analysis, if legal implements of husbandry that are permitted with a 25 kip axle loads are loaded to legal load limits and not exceeded?

A. That is correct.

Motion to Approve by D. Snead 2<sup>nd</sup> by J. Thorius

Motion carried with 13, 0, 0

5. Final Report TR-818, "Roadway Cross Section Reconfiguration: Responses to 14 Commonly Asked Questions", Keith Knapp, Iowa State University, \$61,375 (20 min)

Motion to Approve by R. Knoche 2<sup>nd</sup> by B. Billings

Motion carried with 13, 0, 0

6. HR-296 Update, "Iowa Local Technical Assistance Program Update", Keith Knapp, Iowa State University, (20 min)

Motion to Approve by 2<sup>nd</sup> by

Motion carried with 13, 0, 0

## 7. New Business

- Announcements: The agenda has gone to Govdelivery subscription. The link subscribe is on the IHRB website.
- The IHRB will do once again a traveling meeting to U of Iowa, ISU next spring. IHRB is seeking to reach out to UNI and engage them with our program.
- December meeting Tuesday before County Engineers Association's conference, starting at 1:00pm. Please respond if you will be at this meeting to make sure we have quorum.
- Membership Update:
- Jim Hauber and Dustin Skogerboe's member term ends in December. Mike Nop and Ashley Buss will be the new Member starting next year. Alternates are to be decided.
- Ron Knoche's term is also ending in December. APWA will decide nominations.
- County District 3 and District 6 will have Bret Wilkinson and Angela Kersten serving as the regular member. Alternates to be decided by ICEA. Voting underway.
- A discussion was made to always have representation from Bridged & Structures, Construction and Materials and Design Bureaus on the board since a lot of our projects have large emphasis in these areas.

## 7. Adjourn

Motion to Approve by J. Thorius 2<sup>nd</sup> by R. Knoche

Motion carried with 13, 0, 0

The next regular meeting of the Iowa Highway Research Board is scheduled for December 3rd in the Des Moines.

For a list of current members or for more information about the Iowa Highway Research Board visit our website. To submit Project Ideas visit <https://ideas.iowadot.gov/>

TB/VG