

**IOWA HIGHWAY RESEARCH BOARD (IHRB)**  
*Minutes of February 26, 2021*

**Regular Board Members Present**

D. Claman  
W. Dotzler  
J. DeVries  
C. Burke  
R. Knoche  
A. Bradley  
D. Sanders  
W. Weiss  
T. Roll  
J. Fantz  
M. Rydl  
A. McGuire  
T. Kinney

**Members with No Representation**

**Members with Representation**

M. Cox  
W. Rabenberg

**Executive Secretary – V. Goetz**

The meeting was held online via Microsoft Teams on February 26, 2021 at 9:00 a.m. by Chair Dave Claman with an initial number of 14 voting members/alternates.

**1. Agenda review/modification – new business item to discuss**

**Motion to Approve by** T. Kinney; A. McGuire  
Motion carried with 14 Aye, 0 Nay, 0 Abstaining

**2. Minutes Approval form the January 29, 2021 meeting**

Correction:

Motioned by Wade to nominate Andrew as Chair, Mitch Rydl second  
Misspelling under 5 - Q n A - crash instead of crack.

At the end of the minutes, correct date of next meeting to February 26, 2021

**Motion to Approve by** W. Weiss; R. Knoche  
Motion carried with 14 Aye, 0 Nay, 0 Abstaining

\*\*\* Member Joined\*\*\*

3. **Final: TR-741, “[Asset Management, Extreme Weather, and Proxy Indicators](#)”**, Alice Alipour, Iowa State University, \$250,000, (15 Min).

<http://publications.iowa.gov/35310>

**Discussion**

**Q.** In the beginning of the presentation it was stated that the Probability of damage decreases as the length of the bridge increases?

**A.** Yes. The potential for damage is decreasing as the length is increasing.

**Motion to Approve** by R. Knoche; D. Sanders  
Motion carried with 15 Aye, 0 Nay, 0 Abstaining

4. **Final Report: TR-757, “[Exploration of Ultrasound for the Evaluation and Preservation of Structures](#)”**, Katelyn Freeseaman, Iowa State University, \$49,625, (15 Min).

<http://publications.iowa.gov/35311>

**Discussion**

**Q.** On one Bridge Deck that had been repaired with epoxy injection, we found very large epoxy lenses when the deck was re-built. Could you see epoxy injections with MIRA?

**A.** We have not tried it, but I don't see why it would not capture the epoxy lenses since it will have significantly different material properties than concrete around it. It should show up.

**Motion to Approve** by J. DeVries; 2<sup>nd</sup> T. Kinney  
Motion carried with 15 Aye, 0 Nay, 0 Abstaining

5. **Presentation on HR-3025, “Iowa DOT Culvert Program Update”**, LaDon Jones, Digital Control, Inc. (15 Min)

6. **New Business**

- a) **Additional Funding Request: TR-780, “[Advanced Testing and Characterization of Iowa Soils and Geomaterials](#)”**, Michigan State University, Bora Cetin, \$65,000

**Q.** The SPAX Equipment is one of a kind?

**A.** Equipment with this size sample and features is not available, so it is one of a kind.

**Q.** What is the long-term use of this equipment?

**A.** Material behavior is still a black box for everyone, and a lot of testing has been done and needs to be done. A lot of States haven't tested, and this equipment will be around a long time.

**Motion** by Wade Weiss, Bill Dotzler, 15, 0, 0  
Motion carried with 15 Aye, 0 Nay, 0 Abstaining

- b) **STIC Campaigning Announcement:** [https://ideas.iowadot.gov/subdomain/stic-incentive-funds/end/ssb\\_ideas\\_campaign?force\\_home=1&qmzn=iKFrYf](https://ideas.iowadot.gov/subdomain/stic-incentive-funds/end/ssb_ideas_campaign?force_home=1&qmzn=iKFrYf)

The research bureau will open a new campaign to collect STIC incentive funds ideas. \$125,000 will be available to fund projects. Priority is given to innovation implementation projects that advance the Everyday Counts initiatives from Federal Highway Administration. However, all innovation implementation projects are welcome to apply. Ideas submitted will be ranked by the IHRB during their April 2021 meeting.

To learn more about our STIC program visit <http://publications.iowa.gov/33931/1/Iowa%20DOT%20Research%20Solutions%20-%20STIC%20Program%20-%20web.pdf>

- c) TRB - 13th International Low Volume Roads Conference is being hosted by Iowa and the Iowa County Engineers Association for 2023 in Cedar Rapids, IA. IHRB discussed options to help and participate with conference planning. Brian Moore and Vanessa Goetz will explore options for IHRB to be a Sponsor or Patron of the conference. IHRB has in the past funded LPA representatives to travel to the Low Volume Road Conferences.

## 7. Adjourn

**Motion to Approve by** R. Knoche; 2<sup>nd</sup> W. Dotzler  
Motion carried with 15 Aye, 0 Nay, 0 Abstaining

March 26<sup>th</sup> IHRB meeting was cancelled.

The next regular meeting of the Iowa Highway Research Board is scheduled for Friday, April 30, 2021 at 9:00 am Online via Microsoft Teams Meeting. Please contact [Vanessa.Goetz@iowadot.us](mailto:Vanessa.Goetz@iowadot.us) by 4 p.m. Thursday April 29, 2021 if you would like to attend the meeting online.

Vanessa Goetz, IHRB Executive Secretary