

To Iowa Highway Research Board

Date: February 17, 2022

Attention Regular and Alternate Members

From Vanessa Goetz
Office Research and Analytics

The Iowa Highway Research Board will meet **on February 25, 2022 at 9:00 am Microsoft Teams Meeting. Please contact Vanessa.Goetz@iowadot.us by 4 pm Monday February 24, 2022 if you would like to attend the meeting online.**

AGENDA

1. Agenda review/modification
2. Minutes Approval from the December 14, 2021 meeting
3. IHRB 2022 Membership Update
4. Proposal #3071: **[“Design of Self-Cleaning Solutions for Mitigating Sedimentation at Twin-and Single-Box Culverts”](#)**, Marian Muste, University of Iowa, \$349,956, (15 Min)
5. Proposal #3402: **[“Ultra High-Performance Concrete Repair of Steel Bridge Girder Ends”](#)**, Behrouz Shafei, Iowa State University, \$300,000, (15 Min)
6. Innovative Idea Proposal #3544: **[“Beneficial Use of Iowa Waste Ashes in concrete through Carbon Sequestration”](#)**, Kejin Wang, Iowa State University, \$60,000, (15 Min)
7. Innovative Idea Proposal #3545: **[“A Sustainable Air-entraining and Internal Curing Agent”](#)**, Ravi Kiran Yellavajjala, North Dakota State University, \$60,000, (15 Min)
8. Innovative Idea Proposal #3553: **[“Introducing Smart Materials in Granular Roadway and Pavement Foundation Systems for Mitigating Freeze-Thaw Damage”](#)**, Bora Cetin, Michigan State University, \$60,000, (15 min)
9. Innovative Idea Proposal #3561: **[“Use of Iowa Eggshell Waste as Bio-Cement Materials in Pavement and Gravel Road Geo-Material Stabilization”](#)**, Halil Ceylan, Iowa State University, \$60,000, (15 Min)
10. **[13th International Conference on Low Volume Roads, July 23 – 26, 2023 Cedar Rapids, IA – Conference Support](#)**: Nancy Whitting, Transportation Research Board, \$60,000

11. Summer 2021 Cycle IHRB Ranking:

- a. [#3543 - Use of Waste Glass Powder as an alternative pozzolanic material in concrete](#)
- b. [#3480 – Roller Compacted Concrete Shoulders](#)
- c. [#3473 – Coordinated Promotion of Local Transportation Agency Careers](#)

12. New business

The next regular meeting of the Iowa Highway Research Board is scheduled for March 25, 2022 online via Microsoft Teams Meeting.

VG