

To Iowa Highway Research Board

Date: February 13, 2018

Attention Regular and Alternate Members

From Vanessa Goetz  
Office Research and Analytics

The Iowa Highway Research Board will meet **on February 22, 2019 at 9:00 am in the East/West Materials Conference Rooms at the Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa.**

### AGENDA

1. **Agenda review/modification**
2. **2019 Membership**
3. **Minutes Approval from the December 2018 meeting**
4. **FINAL REPORT – TR-734, “LRFR Load Rating for Short Span Prefabricated County Bridge Standards”, HDR Engineering, \$14,860, (15 min)**
5. **FINAL REPORT TR-708B, “Hybrid Concrete for Advancing Pavement Performance”, Kejin Wang, InTrans/Iowa State University, \$40,000, (15 min).**
6. **PROPOSAL IHRB-261: “Performance Evaluation of Polyester Polymer Concrete Overlays” Mohamaed Elbatanouny, WJE, \$249,820, (15 min).**
7. **PROPOSAL IHRB-203: “Development of Non-Proprietary Ultra-High Performance Concrete (UHPC) for Iowa Bridges”, Behrouz Shafei, InTrans/Iowa State University, \$135,000.**
8. **PROPOSAL IHRB-186: “Cold In-Place Recycling Project Selection and Guidance for Iowa Roadways”, Dr. Ashley Buss, Iowa State University, \$250,000**

**9. PROPOSAL IHRB-18-07:**

- a. *“Late Life Low Cost Deck Overlays”*, Basak Bektas, InTrans/Iowa State University, \$43,452.
- b. *“Late Life Low Cost Deck Overlays”*, Mohamed Elbatanouny, WJE, \$50,000.

**10. PROPOSAL IHRB-156:** *“Concrete Box Culvert Earth Pressure Monitoring”*, Katelyn Freeseaman, InTrans/Iowa State University, \$49,731.

**11. RFP**

- a. **IHRB-18-13 Benefit Cost Analysis of Full Width/Depth Shoulders Near Bridges**

**12. New Topics from November 1**

| Submission # | Proposed Title   |
|--------------|--|
| 266          | Evaluation of Grade 65 Rolled Steel Beams                                    |
| 272          | Innovative Substructure and Superstructure with NUCOR/Skyline Steel.         |
| 275          | Design of Bridges for Minimum Maintenance: Phase I                           |
| 283          | Satellite Remote Sensing for Pavement Health Monitoring at the Network Level |
| 286          | Development of Iowa Granular Road Structural Design Tool                     |
| 288          | Texturized Pavement Markings for reduced Crashes in Low-light Conditions     |
| 289          | Monitoring Unpaved Roads using Machine Learning Based Texture Analysis       |

**13. New business**

**14. Adjourn**

The next regular meeting of the Iowa Highway Research Board is scheduled for **March 29, 2019** at **9:00 am** in the East/West Materials Conference Rooms at the Iowa Department of Transportation, 800 Lincoln Way, Ames, Iowa.

**VG**