

Research & Analytics
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To Iowa Highway Research Board

Date: September 20, 2022

Attention Regular and Alternate Members

From Vanessa Goetz
Office Research and Analytics Bureau

The Iowa Highway Research Board will meet **on September 30, 2022 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. **Minutes Approval from the July 29, 2022 meeting**
3. **TR-766, Final Report, "[Evaluation of Galvanized and Painted Galvanized Steel Piling](#)",** Katelyn Freeseaman, Iowa State University, \$113,218, (15 min).
4. **TR-779, Final Report, "[Evaluation of the Performance of A709 Grade 65 QST Bridge](#)",** Justin Dahlberg, Iowa State University, \$131,140, (15 min).
5. **TR-812, Final Report, "[Phase 1: Development of County Bridge Standards for Single Span Concrete Slab Bridges](#),** Fouad Daoud, Whks & Co, \$36,545.91, (15 min).
6. **Proposal HR-296, "[Iowa Local Technical Assistance Program 2020-2022 Summary Report and 2023-2025 Continuation Funding Proposal](#)",** Keith Knapp, Iowa State University, \$190,000 per FY, (15 min).
7. **Proposal IHRB-3067, "[Field Performance of Fiber-Reinforced Concrete Overlays](#)",** Peter Taylor, \$191,898, (15 min).
8. **Proposal IHRB-3206, "[Central Iowa Expo Pavement Project: Performance Assessment](#),** Jeremy Ashlock, Iowa State University, \$45,821, (15 min).
9. **Proposal IHRB-3455, "[Development of Guidance for Roadway Cross Section Re-Configuration Decisions](#)",** Keith Knapp, Iowa State University, \$61,375.

10. Proposal [IHRB-3624](#):

- a. **Proposal, IHRB-3624** - *Performance Monitoring of Two-Course Deck Utilizing Ultra High-Performance Concrete*, Mohamed Elbatouny, WJE, \$243,755. Additional tasks 4 and 6 proposed \$56,233 (Total \$299,988). Additional instrumentation and monitoring proposed. Task 3 \$50,000 (Total \$349,988)
- b. **Proposal, IHRB-3624**, *Performance Monitoring of Two-Course Bridge Deck Utilizing Ultra High-Performance Concrete*, Sri Sritharan, Iowa State University, \$277,368.
- c. **Proposal, IHRB-3624**, *Performance Monitoring of Two-Course Bridge Deck Utilizing Ultra High-Performance Concrete*, Justin Dahlberg, Iowa State University, \$135,445.

11. Spring Ideas Ranking

- a. [Development of quality standards for inclusion of high recycled asphalt pavement content in asphalt mixtures-phase V \(#3768\)](#)
- b. [Investigating the Interactions among Deicing Chemicals, Concrete Pore Solutions, and Corrosion of Reinforcing Steel in Concrete \(#3788\)](#)
- c. [Best Practices for One-way to Two-Way Conversions \(e.g., large vehicle accommodation, economic impacts, etc.\) \(#3797\)](#)
- d. [Ongoing evaluation of full scale research test sites \(#3799\)](#)
- e. [Design Details and Practical Considerations for Ultra-High Performance Concrete Link Slabs \(#3806\)](#)
- f. [Public Opinion Survey of Distance-Based Fees for Electric Vehicles \(#3807\)](#)

12. 2022 STIC Ideas Update

- a. [Bridge Digital Delivery: Peer Exchange with AGC and ACEC \(#3819\)](#)
- b. [ETALYC'S Hyperflow Pilot for Signal Performance Assessment \(#3818\)](#)

13. New Business

14. Adjourn

The next regular meeting of the Iowa Highway Research Board is scheduled for October 28, 2022 in the East/West Materials Conference Room at the Iowa DOT.

TB/VG