



Research & Analytics
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To Iowa Highway Research Board
Attention Regular and Alternate Members
From Vanessa Goetz
Office Research and Analytics Bureau

Date: October 23, 2023

The Iowa Highway Research Board will meet **on October 27, 2023 at the Institute for Transportation, Research Park 4, 2711 S Loop Dr #4700, Ames, IA 50010.**
8:00 am Breakfast and Refreshments with InTrans Staff
9:00 am Regular Meeting

AGENDA

1. **Agenda review/modification**
2. **Minutes Approval from the September 29th meeting**
3. **TR-722, Final Report** "[Increase Service Life at Bridge Ends through Improved Abutment and Approach Slab Details and Water Management Practices](#)", Behrouz Shafei, Iowa State University, \$100,000, (15 min).
4. **TR-800, Final Report** "[Helical Pile Foundation Implementation for Bridge Structures](#)", Iowa State University, Justin Dahlberg, \$70,137, (15 min).
5. **HR-296, [Iowa Local Technical Assistance Program Update](#)**, Keith Knapp, Iowa State University, (15 min).
6. **Proposal IHRB-3851, [Implementation of AASHTOWare BrR program for Rating Iowa Bridges](#)**, HGM and Associates, Kirkham Michael, Michael Baker International, \$2.9M
7. **IHRB Ranking**
 - a. [Elliptical Dowel Performance - 20 Years \(#3868\)](#)
 - b. [Remediation of Bridge Foundation Settlement Issues in Combination with Buried Pipe and Box Culvert Replacements \(#3870\)](#)
 - c. [Next Generation Life-Cycle Cost Analysis Tool for Bridges in Iowa-Phase III- Benefit-cost analysis economic evaluation tool \(#3884\)](#)
 - d. [3D Printing Repair Strategies for Deteriorating Bridge Structures \(#3909\)](#)
 - e. [Back-in Parking Effectiveness \(#3912\)](#)
 - f. [Enhancing Performance with Internally Cured Ultra-High Performance Concrete \(#3919\)](#)

- g. [Update TR-608 - Financial needs of Iowa's County Roads \(#3926\)](#)
- h. [Bio Fog Seals for Improved Maintenance of Pavements & Bridges \(#3940\)](#)
- i. [Development of Iowa Pavement Analysis Techniques \(IPAT\) - Phase II \(#3952\)](#)

8. New Business

9. Adjourn

The next regular meeting of the Iowa Highway Research Board is scheduled for December 12th at 1:00 pm in Des Moines.

TB/VG