To Iowa Highway Research Board  Date: February 19, 2020
Attention Regular and Alternate Members
From Vanessa Goetz
Office Research and Analytics

The Iowa Highway Research Board will meet on February 28, 2020 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. IHRB Membership update

3. Minutes Approval from the December 10, 2019 meeting

4. Final Report: TR-750 “Documenting The Design And Use Of Different Types Of Grade Control At Culverts,” John Thomas, Hungry Canyons Alliance, $25,000, (15 Min)


9. New Topic Voting
Submission

No  Topic Title
363  Flood Prediction and Assessment via Smart UAVs
366  Quantification of The Flood Reduction Benefits Of On-Road Structures At The Huc12 Watershed Scale
367  Extending Longevity of Iowa’s Transportation Infrastructure Using Self-Healing Concrete Technology
380  The Impact of Deferred Maintenance on Iowa’s Local Road System
381  Real-Time Intelligent 3D Scanning Robot for Road, Bridge and Highway Inspections
388  A phase-field damage model to predict low-temperature thermal cracking in asphalt concrete

10. Continuation Project Voting

<table>
<thead>
<tr>
<th>Submission No</th>
<th>Previous Project #</th>
<th>New Phase Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>271</td>
<td>TR-746</td>
<td>Use of Super Absorbent Polymers for Internal Curing of Concrete Bridge Decks and Pavements</td>
</tr>
<tr>
<td>309</td>
<td>TR-708B</td>
<td>Develop Evaluation Test Methods and Improve Durability and Crack Resistance of Hybrid Concrete</td>
</tr>
<tr>
<td>362</td>
<td>TR-754</td>
<td>Mitigation of Chloride-induced Corrosion Through Chemisorption</td>
</tr>
<tr>
<td>364</td>
<td>TR-690</td>
<td>Using Natural Fibers for Internal Curing and Shrinkage Reduction of HPC Bridge Decks &amp; Overlays</td>
</tr>
<tr>
<td>371</td>
<td>TR-712</td>
<td>EVALUATE, MODIFY AND ADAPT THE CONCRETEWORKS SOFTWARE (Phase II A and B)</td>
</tr>
<tr>
<td>385</td>
<td>TR-663</td>
<td>Modifications to Iowa Concrete Box Beam Standards</td>
</tr>
</tbody>
</table>

11. New business

12. Meeting Adjourn
The next regular meeting of the Iowa Highway Research Board is scheduled for March 27, 2020 in the East/West Materials Conference Room at the Iowa DOT.

VG