Raised Pavement Markers (RPM) Snow Plowable Raised Pavement Marker (SPRPM)
Technical Committee Quarterly Conference Call Agenda
Wednesday December 5th, 2018 10:00AM – 11:00AM

ATTENDANCE:

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Role</th>
<th>Voting Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young, Brad A</td>
<td>Ohio Department of Transportation</td>
<td>Chair</td>
<td>Voting</td>
</tr>
<tr>
<td>Bandoh, Alexander</td>
<td>Georgia Department of Transportation</td>
<td>Vice Chair</td>
<td>Voting</td>
</tr>
<tr>
<td>Sirianni, Jonathan</td>
<td>AASHTO</td>
<td>Liaison</td>
<td>None</td>
</tr>
<tr>
<td>Ingram, Steven</td>
<td>Alabama Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Jenkins, Andre Lemar</td>
<td>Alabama Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Goldbaum, Jay</td>
<td>Colorado Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Lian, George</td>
<td>Georgia Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Kemp, Jan</td>
<td>Georgia Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Douds, Richard</td>
<td>Georgia Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Morse, Kelly L</td>
<td>Illinois Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Pelham, Michael Paul</td>
<td>Indiana Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Blackburn, Andrew</td>
<td>Indiana Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Springer, Matthew</td>
<td>North Carolina Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Scales, Jimmy Scales</td>
<td>Tennessee Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>Kerstetter, Joseph</td>
<td>Tennessee Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Bassett, John</td>
<td>Texas Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Swisher, James</td>
<td>Virginia Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Whitmore, Ted Jeffrey</td>
<td>West Virginia Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Rauch, Matthew Roy</td>
<td>Wisconsin Department of Transportation</td>
<td>Member</td>
<td>Voting</td>
</tr>
<tr>
<td>Rizos, Linette</td>
<td>Wisconsin Department of Transportation</td>
<td>Member</td>
<td>Non-Voting</td>
</tr>
<tr>
<td>SOMICH, RAYMOND C</td>
<td>Dow Chemical Company</td>
<td>Other</td>
<td>None</td>
</tr>
<tr>
<td>Britt, Jerry</td>
<td>Ennis-Flint</td>
<td>Other</td>
<td>None</td>
</tr>
</tbody>
</table>

1) **Current Test Deck Statuses**
   - **2018 SRPM Deck**
     - Manufacturer could not secure contractor, product not installed
   - **2017 SRPM**
     - Manufacturer withdrew from deck
• 2016 SRPM Deck
  o Waiting on lens data from Florida
• 2016 RPM Deck
  o Completed
• 2017 RPM Deck
• 2018 RPM Deck
  o Only one manufacturer
  o Also one manufacturer for adhesives
    ▪ Call w/ Rick to discuss after this call
    ▪ Using a new site – I95 near Brunswick, GA
      • Allows them to have both Concrete and Asphalt near each other to get traffic control in one straight shot
• Looking at going with 3rd party traffic control moving forward in GA

2) **Looking for more northern states to assist in evaluation of snow plowable pavement markers.**
  • Ohio has been doing this since about 1998
    o Time to look for another northern state
    o **Jon will canvas northern states to look for new deck location**
    o Need certain amount of daily traffic, concrete deck and asphalt
      ▪ About 35000 ADT
      ▪ Flat and straight are important
    o Set up traffic control 4-6 times over entire evaluation period
    o Indiana might be interested in taking this on
      ▪ **Jon will set up a call with Michael, Andrew, & Brad**
  • Ohio will do 2019 deck, so this transition would take place for 2020

3) **Moving SRPM Submittal and Installation**

  • 2018 SRPM submittal could not be installed because of unavailability of contractors
    o Busiest time of the year for RPM installers in Fall
    o Move submittal and installation back a month or so
    o No real concern about moving this
    o Brad and Jon will flesh out the exact dates for submittals

4) **Internally Illuminated RPM’s (IIRPM)**
  • Brad has had two products submitted to Ohio that fall into this category
  • Georgia noted this comes up from time to time
  • Need to look at updating Work Plan with their own evaluation criteria
  • Alex (GA), Brad (OH), & Matt (NC) will begin looking at updating WP
  • North Carolina noted they have evaluated IIRPMs
    o 4 applications
      ▪ 3 were wrong way applications
    o Can assist with looking into proper protocol
  • Need to consider lab evaluations where you can control the variables
  • MUTCD might discuss these, may not mention specific performance requirement
Illinois has used them in the past, and can provide info as we look into incorporating them into our WP

5) **Use of Control Markers**
   - SRPMs have never used control markers
   - GA uses them as a reference to increase reliability of results
     - Has been on a test deck for 2 years so they know performance
   - Doesn’t necessarily need to be same marker each deck, but it does need to be a marker with known performance
   - Should we detail this specifically in the WP?
     - Do any states want this info?
       - No one spoke up on the call
     - GA is going to continue use them to ensure their installations
       - Good standard practice to have a control
       - They get the lab lens data from the control markers as well
   - **We will talk about this more at the Annual Meeting to canvas states**

6) **6 & 18 Month Retro Intervals**
   - The 3.0 setup was based on SRPM Work Plan
     - Georgia with RPMs has always pulled these up
     - Look at getting these intervals back in for RPMs
       - Does not need to be included for SRPMs

7) **Open Discussion**
   - Rick is no longer the chair
     - Brad is the new chair and Alex Bandoh has taken on the Vice-Chair role.
   - Seal testing
     - We mentioned it at the Annual Meeting
     - Illinois had noted that RPMs were failing Seal Test
       - Putting samples immersed in water in a pressure chamber
       - Losing retro on the markers
     - Could be added to Work Plan
       - Kelly can provide background on their test method
         - They test about 3 samples in IL to determine pass/fail
     - Retro data may not capture this accurately because water can move in and out, so if it dries before readings, then you would not capture this
       - **Kelly will send some info to Brad to vet it**
   - Adding information about adhesive used to DataMine
     - Illinois mentioned that this would be useful for them
     - Brad noted that manufacturers rely on the installers to select adhesive
     - Would be a single field added to DataMine to specifically note the adhesive
   - GA is looking to use some SRPMs
     - Discussion about slot-type system and whether other states use those
       - Ohio had one submittal that was this type of system
       - Illinois is researching these as an alternative use product
       - This info is available if GA wants to review
• We will plan to have one more call before the Annual Meeting in June

8) End