



NATIONAL TRANSPORTATION
PRODUCT EVALUATION PROGRAM

Raised Pavement Markers / Snow-Plowable Raised Pavement Markers Technical Committee Meeting Agenda

Working Session # 10

Thursday, June 18th, 2020 3:30PM – 5:00PM

- 1) **3:30PM-3:35PM: Call to Order and Introductions**
- 2) **3:35PM-3:40PM: Review of Current Technical Committee Members**
- 3) **3:40PM-3:45PM: Brief summary of the Technical Committee
(for those states not participating in quarterly calls or who are new to NTPEP)**
 - *Poll Question #1: Does your state utilize the data resulting from the Snow Plowable RPM Technical Committee?*
 - **Non-plowable markers**
 - **Glued to pavement with adhesive**
 - **Lens returns light from headlight to drivers eye**
 - **Snow-plowable markers**
 - **Designed to take force of plow blade**
 - **Blade will strike the rail, and ride up over the device**
 - **Glued into pavement with two part epoxy adhesive**
 - **Program involves 2 years of evaluation**
 - **Lab testing**
 - **Physical testing of lens and castings**
 - **Retro of lens**
 - **Field testing**
 - **Products put down on roadway**
 - **Subjected to harshest conditions that they'd see**
 - **Evaluated every 6 months**
 - **Durability and visibility subjective readings**
 - **Lens are pulled at 1 yr and 2 yr**
 - **Sent to Florida for retro readings**
 - **Can find a more detailed explanation of the program on the NTPEP YouTube page:**
 - <https://www.youtube.com/channel/UCxyL3JroTU9vDAIV2rAUFVA>



AASHTO NATIONAL TRANSPORTATION
PRODUCT EVALUATION PROGRAM

2020 Annual AASHTO NTPEP Virtual Meeting

- *Poll Question #2: Does your state use cast iron/metal casting to hold the lens in your Snow Plowable RPMs?*
 -
- 4) **3:45PM-3:55PM: Review of how to access data in DataMine for this specific Technical Committee**
NTPEP presented a video of how to access Datamine
- 5) **3:55PM-4:05PM: Review of Outstanding Action Items**
- **SRPM lens – water pressure testing**
 - Brad tried the test method out, and had a lot of trouble getting an accurate gauge of the water intrusion
 - Going to table this topic, unless other states wish to pursue it further
 - **Use of Control Data**
 - Brad proposed tabling this
 - Georgia still does this for sun markers
 - Don't publish because NTPEP does not purchase the markers
 - They do this internally
 - **Indiana May take over SRPM Field Test Deck**
 - **DataMine needs corrections:**
 - **AI: Work with Brad for the eApp changes (Glick)**
 - **AI: Send Brad the most current data entry sheet to show correct retro-reflectivity units (Glick)**
 - **Show 6 and 18 retro-reflectivity data from GA test deck**
 - **Show yellow retro-reflectivity data from GA test deck**
 - **Add what lens and casting adhesives are used on SPRPM test decks (add this information to field installation page)**
 - *Poll Question #3: Does your state utilize the data resulting from the Non-Snow Plowable RPM Technical Committee*
- 6) **4:05PM-4:15PM: Update - Program Status**
- **Ohio**
 - **Ohio has one test deck currently running. 2 Products from one manufacturer were installed in Fall 2019. These products are coming up on their one-year evaluation.**
 - **Georgia**
 - Some of the test deck was removed by local authority due to miscommunication with engineers
 - 2018 state route (yellow/yellow markers)
 - 2019 interstate and state route
 - Rumble strips placed into the roadways



- Adhesive marker evaluations also ongoing – everything is looking good

7) **4:15PM-4:30PM: New Business Items**

- **Protecting the test decks**
 - Ohio contacts the district to make them well aware of the location of the decks
 - If any work planned, they let Brad know so he can protect the products
 - Georgia is working on a plan for protecting sun markers
 - **AI: At next Quarterly Call, discuss steps to prevent other decks getting removed**
- **18 month retro-reflectivity data**
 - Brad noted that Georgia pulls lens samples and ships them to Florida for retro, but there is nowhere on DataMine for them
- **Retro data of Red Lens**
 - Right now only white is reported
 - Been reporting white since that is the side facing traffic, and considered higher priority.
 - Would need to update DataMine
- **Average retro calculation**
 - If a lens comes out of the roadway, it is not considered a part of the calculation
 - Average of those products obtained, not an average of all products that SHOULD be in place
 - **AI: Look into how averages are calculated within DataMine**
 - Brad noted that he calculates average himself and enters the values into DataMine
 - AI: Look at including a means to leave comments in DataMine for things like missing markers
- *Poll Question #4: Does your state use Non-Snow Plowable RPMS?*

8) **4:30PM-4:45PM: Industry Discussion**

- Industry rep noted no issues to bring up at this time.

9) **4:45PM-5:00PM: Open Discussion**

- **Consider obtaining yellow retro**
 - Georgia evaluates yellow/yellow already on state routes
 - Do not report yellow retro
- **Question about inlayed markers**
 - Brad noted that they tried an evaluation on these types of markers back in 2016



- More discussion about frequency of retro readings not being available for input on DataMine
 - Either change work plan or update DataMine



2020 Annual AASHTO NTPEP Virtual Meeting