



NATIONAL TRANSPORTATION
PRODUCT EVALUATION PROGRAM

Raised Pavement Marker (RPM) / Snow Plowable Raised Pavement Markers (SPRPM)

Technical Committee Meeting Agenda

Working Session # 3

Monday, June 10th, 2019 2:30PM – 4:00PM

- 1) **2:30PM-2:35PM: Call to Order and Introductions**
- 2) **2:35PM-2:40PM: Review of Current Technical Committee Members**
- 3) **2:40PM-2:45PM: Summary of the Technical Committee
(for those states not participating in quarterly calls or who are new to NTPEP)**

Raised Pavement Markers (RPM)

A raised pavement marker (RPM) is a safety device used on roads. These devices are usually made with plastic, ceramic, or occasionally metal, and come in a variety of shapes and colors. Raised pavement markers include a lens or sheeting that enhances their visibility by reflecting automotive headlights. RPMs can be used to show roadway alignment, or to replace or supplement other pavement markings. More frequently, however, retroreflective RPMs are used in conjunction with retroreflective striping for longitudinal delineation. Retroreflective RPMs provide increased visibility at night, especially during rain to provide wet weather visibility.

Snow Plowable Raised Pavement Marker (SPRPM)

A snow plowable raised pavement marker (SPRPM) serves the same purpose as a RPM but is designed to withstand the impact of snow plowing operations. The devices are usually made with a cast iron housing which holds and protects a plastic reflective lens. They are placed into a saw cut reservoir and are secured to the pavement using epoxy adhesive.



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Currently, NTPEP evaluates the performance of manufacturers' RPMs and SPRPMs on both asphalt pavement and concrete pavement on a busy interstate. Adhesives that hold the RPMs in place may also be evaluated. The testing includes field evaluation and laboratory testing. Installation and testing protocols are described in the "Project Work Plan." All sampling and testing requirements conform to the latest version of ASTM Standard Specifications (D4280 and D4383).

The NTPEP Technical Committee is responsible for authoring the Project Work Plan convenes yearly at the NTPEP National (Annual) Meeting. During this working meeting, the Project Work Plan is discussed; changes made, and shortly thereafter balloted for adoption. Improvements are immediately implemented in the next testing cycle.

- 4) **2:45PM-2:55PM: Current Test Program Updates**
 - a) **SPRPM (Brad Young – Ohio DOT)**
 - i) **2016 – 4 products**
 - (1) 2 year cycle complete, data available
 - ii) **2019 – 2 products**
 - (1) Installing this year (August/Sept)
 - b) **RPM (Alex Bandoh – GA DOT)**
 - i) **2019 Adhesive products (Bituminous & Thermoplastic Adhesives) – located on I-95**
 - ii) **2018 RPM products – Located on I-75 and SR 18 at Barnesville (Ray-O-Lite & 3M as Control)**
 - (1) Initial evaluation data available
 - (2) 6 month evaluation coming up
- 5) **2:55-3:05PM: Review of Outstanding Action Items**
 - a) **Add New Lens Water Pressure Test**
 - i) **5 photos uploaded to DataMine**
 - ii) **Action Item - Should we be using “Pass/Fail” for this test or another form of terminology?**
 - b) **Minor modification to work plan sampling/testing numbers**
 - c) **Added requirement - SPRPM epoxy casting adhesive must meet: AASHTO M237, Type IV requirements**
 - i) **Action Items:**
 - (1) **eApp – Include what casting adhesive should be used**
 - (2) **eApp - Include brand name and verify this against their technical data**
- 6) **3:05PM-3:15PM: Update – New SPRPM Field Testing State?**
 - a) **Indiana is moving forward with a contract**



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- 7) **3:15PM-3:25PM: Discuss DataMine Items**
 - a) **If approved – need to add cells for new lens water pressure test and enter what casting epoxy adhesive is used on SPRPM test deck**
 - i) **Action Items:**
 - (1) **Include note of adhesive that holds the casting to the ground**
 - (2) **Include note of liquid nails that holds the lens to the casting**
 - b) **Other Items?**
 - i) **Action Items - Publishing control data, and providing a guide to address the usage of the control data**
- 8) **3:25PM-3:45M: Industry Concerns**
- 9) **3:45PM-4:00PM: Open Discussion**
 - a) **Action Item – Explore merging the work plans to reduce redundancies and the probability of errors against overlap**
 - b) **Action Item – Invite Bill Real to present 15 mins of usage information**



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Session Name	Full Name	Registration Type	Check-In Date (GMT-05:00) Eastern [US & Canada]
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Bandoh, Alexander	AASHTO Member	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Barker, Susan	AASHTO Member	6/10/2019 16:32
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Beadle, Chris	AASHTO Non-Member (industry representative)	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Blair, Joseph	AASHTO Member	6/10/2019 16:34
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Chola, Benard	AASHTO Member	6/10/2019 16:31

WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Davis, Jason	AASHTO Member	6/10/2019 16:33
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	DO, THANHUUONG	AASHTO Non-Member (industry representative)	6/10/2019 16:33
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Dusseault, Charles	AASHTO Member	6/10/2019 16:33
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Entrekin, David	AASHTO Non-Member (industry representative)	6/10/2019 16:32
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Gallistel, Allen	AASHTO Member	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Galvez, Alex	AASHTO Member	6/10/2019 16:31

WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Gentry, Paul	AASHTO Member	6/10/2019 16:35
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Gottschalk, Bruce	AASHTO Member	6/10/2019 17:02
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Henry, Wendy	AASHTO Non-Member (industry representative)	6/10/2019 16:52
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Jernigan, Tammy	AASHTO Member	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Kuniega, David	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Lian, Guohua (George)	AASHTO Member	6/10/2019 16:30

WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Merced, Awilda	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Morgan, Jeff	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Morse, Kelly	AASHTO Member	6/10/2019 16:33
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Mroczkowski, Andrew	AASHTO Member	6/10/2019 16:35
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Pelham, Michael	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	potter, david	AASHTO Member	6/10/2019 16:31

WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Rangel, Rosa	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Sirianni, Jonathan	AASHTO Member	6/10/2019 16:30
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Ulmer, Eli	AASHTO Member	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Valenzuela, Marissa	AASHTO Member	6/10/2019 16:31
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Villani, Dave	Sponsor/Exhibitor	6/10/2019 16:32
WORKING SESSION #3 - Raised Pavement Markers (RPM)/ Snow Plowable Raised Pavement Markers (SRPM)	Young, Brad	AASHTO Member	6/10/2019 16:30