

NEW JERSEY ASPHALT PAVEMENT ASSOCIATION

850 Bear Tavern Road, Suite 108
Ewing, NJ 08628

ph: (609) 838-1867

www.njapa.com



North East Asphalt User Producer Group Meeting October 16-18, 2018

The North East Asphalt User Producer Group (NEAUPG) meeting was held in Atlantic City, NJ on October 17th and 18th. NJAPA attended, also participating in a meeting of the NE Regional Council of the Asphalt Pavement Alliance on October 16th. The minutes of the council are being prepared separately and will be added to this report upon receipt.

In addition, the NE Regional Council exhibited in the trade show area, highlighting projects of distinction in the northeast. New Jersey presented a display highlighting the *US Route 1 from Quakerbridge Road to Ridge Road* rehabilitation project constructed by Della Pello Paving and Trap Rock Industries. Additional projects were displayed from Maryland, Massachusetts, and New York.



US Route 1 NEAUPG Display

The annual meeting of NEAUPG consists of workshops regarding current asphalt pavement research, design, materials, and construction issues, with speakers from transportation agencies, academia, and practice. The following are the topics presented and the speakers who presented them:

1. NEAUPG Binder Committee Update by Greg Harder of the Asphalt Institute
2. NEAUPG Mix Committee Update by Bruce Barkevich of New York Materials
3. Asphalt Pavement Alliance Update by Amy Miller of APA
4. Influence of Production Considerations on Balanced Mix Designs by Walaa Mogawar of the University of Massachusetts
5. HMA Compaction Assessment Using GPR RDM by Rick Bradbury of Maine DOT and Shongtai Dai of Minnesota DOT
6. NCAT Test Track Significant Findings by Buzz Powell of NCAT
7. Maine DOT's Porous Pavement by Derek Nener-Plant of Maine DOT
8. Influence of Asphalt Binder Formulation and Source on the Performance of Binders with the Same Continuous Performance Grade by Walaa Mogawar of the University of Massachusetts



"America's Most Recycled Product"



9. Pennsylvania's Development of High RAP Leveling Course by Gary Hoffman of the Pennsylvania Asphalt Pavement Association
10. Moisture Susceptibility Testing of New England Mixtures by Christopher DeCarlo of the University of New Hampshire
11. IDT to Determine Mixture Performance by Tom Bennert of Rutgers University
12. Mix Troubleshooting Consideration by Shane Buchanan of CRH Americas Materials
13. Cold Central Plant Recycling – RAPPING a Long-Life Base by Trenton Clark of the Virginia Asphalt Pavement Association
14. Performance Summary of NJDOT's SMA by Tom Bennert of Rutgers University
15. Pennsylvania Initiative on Performance Testing by Mansour Solaimanian of the Pennsylvania State University and Gary Hoffman of the Pennsylvania Asphalt Pavement Association

Of particular importance were the findings by researchers that asphalt binder from different sources, while understandably formulated differently, do have an impact on mixes designed using the balanced (optimal) mix design process. Different binders can result in different results in rutting or fatigue.

Another topic of particular importance to the NJAPA members is the research being performed at Rutgers University by Tom Bennert to determine a correlation between the overlay tester and a fatigue test that can be used for quality control. The research, which had been focused on the semi-circular bending (SCB) test, is not focusing on the indirect tensile (IDT) test. This research indicates that the IDT is the simplest, most effective way for plant laboratories to perform and obtain confidence that those mixes subject to performance testing will pass the more rigorous APA rutting and overlay test. Jim Purcell will follow up with NJDOT Materials to determine the timeframe and direction that the Department is planning on implementing.

Many of the other topics are of interest and the successes and failures demonstrated are important lessons that can be used here.

Some NJAPA members were in attendance, as well as NJAPA staff. For further details, please contact Jim Purcell.



"America's Most Recycled Product"