

NorthEastern States Materials Engineers' Association 100th Annual Meeting

Tuesday, October 15, 2024

- 7:00 **NESMEA Breakfast**
- 8:00 **NESMEA Welcome**
Carrie Lavallee, MassDOT Deputy Administrator and Chief Engineer
- 8:15 **History of NESMEA – Wow, 100 Years!**
Mark Felag, P.E., AASHTO
Nick Van Den Berg
- 9:00 **MassDOT Cement Concrete Pavement Project**
James Barnack, P.E., HNTB
Richard Mulcahy, P.E., MassDOT
- 9:30 **MassDOT I495/90 Project**
Donald Cooke, PE, PTOE, VHB
Olivia Richards, PE, VHB
- 10:00 **BREAK – Please visit our trade fair**
State DOT Engineers meet at registration table for group photo
- 10:30 **Leveraging LIMMS for Enhanced Transportation Infrastructure: A Comparative**
Egemen Okte, University of Massachusetts
- 11:00 **FHWA Mobile Asphalt Technology Center: Key Items from Recent Visits to the
Northeast &
MCTC Activities and Updates**
Derek Nener-Plante, FHWA
- 12:00 **LUNCH**
- 1:00 **Electrochemical Manufacturing for Decarbonizing Cement Production**
Greg Williams, VP of Product, Sublime Systems
- 1:30 **Concrete's Evolution to Sustainability**
William Lyons III FACS (Bill), Euclid Chemical
- 2:00 **Air Void Systematics of Hardened Concrete**
Dr. Christopher R. Kelson, Ph.D., PG

- 3:00 **BREAK – Please visit our trade fair**
- 3:30 **Pyrrhotite Legislation in Massachusetts**
Richard Mulcahy, P.E., MassDOT
Jason Robertson, MassDOT
- 4:00 **FRP steel (Fiber Reinforced Polymer Technology)**
Taylor Clark, MaineDOT
- 4:30 **Closing Remarks**
Maggie Jasper, MassDOT
- 5:30 **RECEPTION - Please visit our trade fair**
- 6:30 **DINNER**

Wednesday, October 16, 2024

- 7:00 **BREAKFAST**
- 8:00 **BABA Legislation and How-To**
Kathryn Weisner, P.E., FHWA
- 8:30 **Embodied Carbon Infrastructure: Policy Drivers and State of Practice for Asphalt Mixture EPDs**
Richard Willis, NAPA
- 9:15 **Panel Discussion: Implementation of EPDs**
Torey Brooks, EPA
Craig Dauphinais, MaCAPA
Mark Liebert, Holcim – NER Ready Mix Concrete Division
Irene Posada, Mass Clean Energy Center
Jason Robertson, Moderator, MassDOT
- 10:30 **BREAK – Please visit our trade fair**
- 10:45 **A Simple Method for Assessing An Asphalt Binder Quality Obtained from Different Sources in Relation to Prevent Premature Pavement Cracking for Use Within Balanced Mix Design Approaches**
Walaa S. Mogawer, University of Massachusetts
- 11:15 **Research on More Environmentally Friendly Asphalt Pavements in New Jersey**
Tom Bennert, Rutgers University
- 11:45 **Announcement of 2025 NESMEA Meeting**
Joseph Robinson, PennDOT
- 12:00 **Adjourn**