



NETC Bridge Construction Symposium

Tuesday, February 8, 2022
(All times Eastern)

8:30 – 8:45 a.m.	Welcome, Session Logistics and Introductions Ann Scholz, NETC Advisory Committee Chair, New Hampshire DOT Dale Peabody, NETC Advisory Committee, Maine DOT
8:45	Session 1. EDC-6 Innovation: UHPC for Bridge Preservation and Repair
8:45 – 9:00	Presentation — Alexandra Hain, University of Connecticut
9:00 – 9:30	Breakout Groups. Discussion topics include: <ul style="list-style-type: none"> • Examples of UHPC used in New England. • How do agencies feel about using UHPC when it’s difficult to use and expensive and difficult to procure/spec?
9:30 – 9:50	Session 1 Report Out and Wrap-Up
9:50 – 10:00	<i>Break</i>
10:00	Session 2. Concrete Durability Issues Due to High Strength and Cracking
10:00 – 10:15	Presentation — Michael Praul, FHWA
10:15 – 10:45	Breakout Groups. Discussion topics include: <ul style="list-style-type: none"> • What are New England states experiencing related to extensive cracking in their concrete? What theories are there for the causes? • What can be done related to production to reduce these issues? (Change admixtures, mix designs, material supplies, curing temperatures, placement preparations, etc.) • What can be done via specifications to reduce these issues? (Upper spec limit on strength, requirements for expansive cements, lower limits on cementitious quantities, etc.) • Are New England states moving towards weathering steel underneath bridges and more bare concrete decks with grooving? What is the experience related to cracking and salt usage?
10:45 – 11:05	Session 2 Report Out and Wrap-Up
11:05 – 11:30	<i>Break</i>

Technical issues during the meeting? Contact **Katie Johnson**, in Zoom chat box “Katie (Technical Support),” by email at katie.johnson@ctcandassociates.com, or by phone at 217-721-1749.

Updated January 26, 2022



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11:30	Session 3. Waterproofing Membranes
11:30 – 11:45	Presentation — Devin Anderson, Maine DOT
11:45 – 12:15 p.m.	<p>Breakout Groups. Discussion topics include:</p> <ul style="list-style-type: none"> • What are the pros and cons of using high-performance roll-applied versus spray-applied membranes? • Are there membrane systems available or being used for concrete wearing surfaces? <ul style="list-style-type: none"> ○ How does glass fiber reinforced rebar relate to membrane systems? • What are New England states specifying for membranes? What are they seeing for life spans?
12:15 – 12:35	Session 3 Report Out and Wrap-Up
12:35 – 12:45	<p>Symposium Day 1 Highlights Kirsten Seeber, NETC Program Manager</p>

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NETC Pavement Construction Symposium

Wednesday, February 9, 2022
(All times Eastern)

8:30 – 8:45 a.m.	Welcome, Session Logistics and Introductions Ann Scholz, NETC Advisory Committee Chair, New Hampshire DOT Emily Parkany, NETC Advisory Committee, Vermont Agency of Transportation
8:45	Session 1. EDC-6 Innovation: <u>e-Ticketing and Digital As-Builts</u> (focus on e-Ticketing)
8:45 – 9:00	Presentation — Matthew Valle, HaulHub Technologies
9:00 – 9:30	Breakout Groups. Discussion topics include: <ul style="list-style-type: none"> • What is the status of e-Ticketing implementation among New England states? • How are the New England states using e-Ticketing? • What are the hurdles and breakthroughs that New England states have encountered?
9:30 – 9:50	Session 1 Report Out and Wrap-Up
9:50 – 10:00	<i>Break</i>
10:00	Session 2. EDC-6 Innovation: <u>Targeted Overlay Pavement Solutions (TOPS)</u>
10:00 – 10:15	Presentation — Derek Nener-Plante, FHWA
10:15 – 10:45	Breakout Groups. Discussion topics include: <ul style="list-style-type: none"> • Which of the TOPS treatments have the New England states used? Why? Why not others? • What are lessons learned from using the treatments?
10:45 – 11:05	Session 2 Report Out and Wrap-Up
11:05 – 11:30	<i>Break</i>
11:30	Session 3. Building Capacity with Technology
11:30 – 11:45	Presentation — Patricia Leavenworth, Massachusetts DOT
11:45 – 12:15 p.m.	Breakout Groups. Discussion topics include: <ul style="list-style-type: none"> • What internal processes are being reviewed for efficiency? • What innovative technologies are being used to increase capacity? • What current level of DOT oversight is used on paving projects? How will this be affected with increased workloads?
12:15 – 12:35	Session 3 Report Out and Wrap-Up
12:35 – 12:45	Symposium Day 2 Highlights Kirsten Seeber, NETC Program Manager

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