



NETC Advisory Committee Meeting Minutes

Tuesday, February 28, 2023, 11:00am – 12:00pm ET

Attendees:

Ulrich Amoussou-Guenou, MaineDOT	Lily Oliver, MassDOT
Colin Franco, RIDOT	Dale Peabody, MaineDOT
Matt Mann, UMTC	Kirsten Seeber, CTC & Associates
Tanya Miller, VTrans	Nicholas Zavalas, MassDOT
Andrew Mroczkowski, ConnDOT	Melanie Zimyeski, ConnDOT
Dee Nash, NHDOT	

1) Open Project Review (February 2023)

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
19-1: Curved Integral Abutment Bridge Design	Adam Stockin, WSP E. Parkany K. Seeber Alex Bardow, MA DOT	The PI provided the final deliverables, which are posted on the project page. The project webinar is scheduled for 3/16/23 at 10:30am ET. Twenty one registrations as of 2/27/23.	1/31/23 \$225,255
19-3: Experimental Validation of New Improved Load Rating Procedures for Deteriorated Unstiffened Steel Beam Ends	Simos Gerasimidis, UMass Amherst N. Zavalas K. Seeber Matt Weidele, MA DOT	The completed no cost time amendment has been sent to UMass. The research team has tested a total of eight beams (two from CT, five from ME, one from ?). The next five beams are scheduled to be tested in the next two-three months. The research team has been focusing on the Finite Element modeling of the previous experiments.	1/31/2024 \$179,995

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
20-2: Current Status of Transportation Data Analytics and a Pilot Case Study Using Artificial Intelligence (AI) Speed Collection on Horizontal Curves	Yuanchang Xie, UMass Lowell E. Parkany K. Seeber Susan Klases, NH DOT	The completed no cost time amendment has been sent to UMass. The research team completed the testing of both radar and camera systems and are ready for the field data collection. They will reach out to NHDOT and finalize the date for the first data collection trip. They also developed several ideas to analyze the trajectory data to be collected. The next TC meeting is scheduled for 5/4/23.	12/31/2023 \$200,000
20-3: Investigating Thermal Imaging Technologies and Unmanned Aerial Vehicles to Improve Bridge Inspections	Kevin Ahearn, AECOM D. Peabody K. Seeber John "Sam" Maxim, ME DOT	The PI is requesting a three-month extension to the project to allow for in-person demonstrations/training to DOT staff at each agency in April/May. The final deliverables would be completed in June.	3/31/2023 \$174,931
21-1: Quality Review and Assessment of Pavement Condition Survey Vehicle Data Across New England	Gonzalo Rada, WSP A. Mroczkowski K. Seeber John Henault, CT DOT	The TC is reviewing the site control selection tool and providing feedback to the research team. The TC is scheduled to meet on 3/10/23 to discuss the feedback.	7/31/23 \$174,932
21-3: Initiating Seed Production for Effective Establishment of Native Plants on Roadsides in New England	Julia Kuzovkina, UConn D. Nash K. Seeber Arin Mills, NH DOT	The research team is working with CT, MA and VT, to find locations for demo plots. The next quarterly meeting will be held on 3/7/23.	6/30/24 \$200,000

2) Implementation

- TAAC members to report on any implementation activities for recently closed projects.
- Kirsten will send quarterly reminders to the TAAC to add information/activities to the implementation spreadsheet. Kirsten sent the first reminder on 1/22/23.
- How can additional states use/implement the results of completed NETC projects?
 - Could NETC hold a webinar featuring a category of projects? TAAC could members invite SMEs from their agencies to attend the webinar.
 - Potential webinar topic
 - ~ Dale – [09-03: Design, Fabrication and Installation of ACM Bridge Drain System](#) - ME is using these as a standard practice, which is a full implementation. This would be a compelling story to tell especially if other NE states are not using them. ME has talked with NH about using them.
 - Dale would like to see if 3-4 states would be interested in a webinar. **Action item:** Dale will send an email to the TAAC members to see if they are interested.
 - ~ Emily – The materials folks are probably among the most engaged through the six states and disappointingly this is the only category with similarish projects.
 - ~ Emily – It may be a good time to ask the six states what they're doing with Balanced Mix Design and whether the NETC project has had an impact. BMD is likely a hot topic for all six states.

- ~ Matt – Likes materials specifically specs that would be updated based on the research. Happened for one MA from one of the projects. Doesn't have a specific NETC project where specs have been changed. Talk to the states to see if they plan on changing specs or foresee this in the future.
- ~ Dale – BMD probably in different statuses of implementation. He is not sure if the NETC project has informed the states actions. Dee – NH has started BMD work, but the NETC project is not directly related.
- If TAAC members knows of Tech Transfer Activities for any project, please let Kirsten know so she can add them to the project's web page.

3) Spring 2023 Topical Discussion Symposiums

- A monthly series of virtual in-depth Topical Discussion Symposiums this spring designed to bring together SMEs from the New England transportation agencies around specific topics. Topics:
 - Animal Vehicle Collision Avoidance
 - Asset Management for ITS
 - e-Construction for Pavements
 - Geotech
- Animal Vehicle Collision Avoidance
 - Planning Team met on 2/17/23.
 - Looking at a May date for their event.
 - The group is focusing on three subtopics and has a volunteer lead for each.
 - ~ Mitigating the effect of collisions on reptiles and amphibians – Chris Slesar, VT
 - ~ Implementation strategies for wildlife avoidance – Richard Bostwick, ME
 - ~ Data collection/FHWA initiatives and support – Rebecca Martin, NH
 - Format - The group is leaning towards the symposium style (presentation, Q&A, small group breakouts, report out to large group).
- Asset Management for ITS
 - Planning Team met on 2/22/23.
 - Looking at a May date for their event.
 - The group is considering several subtopics and has volunteer leads for each.
 - ~ GIS – Are agencies leaning towards integrating their assets into GIS and at what level of detail? – Lou Lamoureux, MA
 - ~ Integration with agency's full Asset Management System – Mark Gerrish, Derek Lyman, Ryan Knapp, VT
 - ~ Work order systems – Susan Klasen and Kody McCarthy, NH
 - ~ Labels – Lou Lamoureux, MA
 - ~ Inventory – Budget vs. Maintenance – Susan Klasen and Kody McCarthy, NH
 - Format – The group is leaning towards a panel format (states providing short updates on their status with each topic and then a Q&A with the large group).
- Geotech
 - Planning Team met on 2/23/23.
 - Looking at a June date for their event.

- The group is focusing on three subtopics and has volunteer leads for each.
 - ~ Geotech Asset Management – Callie Ewald, VT and Kate Maguire, ME
 - ~ Geophysics – Steve Madden, VT
 - ~ UAS topics (Geotech investigations, challenges of implementing, construction, utilizing with rock slopes) – Krystle Pelham, NH
- The group is considering the symposium style and/or a panel style depending on the topic.
- e-Construction for Pavements
 - Planning Team meets on 3/3/23.
- Kirsten has scheduling polls out to all three planning teams for the next planning meeting and for an event date.
- Dee – Lot of interest and filling a need.

Full list of volunteers

NETC Topical Discussion Symposium Series - Spring 2023		
Topic	Volunteer	State
Animal Vehicle Collision Avoidance	Christopher Samorajczyk	CT
Animal Vehicle Collision Avoidance	Richard Bostwick	ME
Animal Vehicle Collision Avoidance	Dale Peabody	ME
Animal Vehicle Collision Avoidance	Rebecca Martin	NH
Animal Vehicle Collision Avoidance	Dee Nash	NH
Animal Vehicle Collision Avoidance	Chris Slesar	VT
Asset Management for ITS	Anthony Colangelo	CT
Asset Management for ITS	Louis Lamoureux	MA
Asset Management for ITS	Chester Osborne	MA
Asset Management for ITS	Susan Klasen	NH
Asset Management for ITS	Kody McCarthy	NH
Asset Management for ITS	Dee Nash	NH
Asset Management for ITS	Russell Holt	RI
Asset Management for ITS	Derek Lyman	VT
Asset Management for ITS	Mark Gerrish	VT
Asset Management for ITS	Rayn Knapp	VT
Asset Management for ITS	Emily Parkany	VT
e-Construction for Pavements	Jarrett Moore	CT
e-Construction for Pavements	Brian Kelleher	MA
e-Construction for Pavements	Dale Peabody	ME
e-Construction for Pavements	Ulrich Amoussou-Gueno	ME
e-Construction for Pavements	Pat Colburn	NH
e-Construction for Pavements	Dee Nash	NH
e-Construction for Pavements	Ryan Darling	VT
Geotech	Robert Pion	CT
Geotech	Mike Glovasky	MA
Geotech	Mike Roach	MA
Geotech	Jennifer Rauch	MA
Geotech	Kate Maguire	ME
Geotech	Dee Nash	NH
Geotech	Krystle Pelham	NH
Geotech	Callie Ewald	VT
Geotech	Steve Madden	VT
Geotech	Emily Parkany	VT

4) Other Business

- Matt – Projects nearing completion. 508-compliance. Kirsten will look to see which projects are compliant.
- Nicholas – Where will the website/database reside? Sent to each state or what?
 - Can be moved to another university or state?
 - Where does the information go?
 - Dale – All reports are searchable in TRB TRID? Supporting information won't be there. Agrees that one place to go to access all the information would be nice.
- Reschedule the April and May 2023 meetings – Kirsten will not be available
 - April 25, 11:00am – 12:00pm ET
 - May, 23, 11:00 – 12:00pm ET
 - **Action item:** Kirsten will send a scheduling poll for both April or May or one meeting for both April and May, early May.

5) Adjourn

Next meeting: March 28, 2023, from 11:00am – 12:00pm ET