



NETC Advisory Committee Meeting Minutes

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

Attendees:

Ulrich Amoussou-Guenou, MaineDOT	Dale Peabody, MaineDOT
Matt Mann, UMTC	Kirsten Seeber, CTC & Associates
Andrew Mroczkowski, ConnDOT	Lily Oliver, MassDOT
Dee Nash, NHDOT	Melanie Zimyeski, ConnDOT
Emily Parkany, VT AOT	

1) Open Project Review (March 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	This project is complete. The project webinar was held on 3/16/23 at 10:30am ET with 29 people in attendance. Emily liked the webinar because the states talked about how they plan to use the results.	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 research team has tested the first out of the current five beam specimens, which were scanned before and after descaling. The next beam is being prepared for an experiment to be conducted in the next two weeks. The team has also been focused on the Finite Element modelling of the prior and current experiments. Additionally, the team is continuing work on different scanning techniques and analyzing differences before and after corrosion removal. The next TC meeting is scheduled for 5/3/23.	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 Klasen, NH DOT	The team is conducting a final test on the entire traffic data collection system (portable sensors) at a NHDOT yard and will begin field data collection in a week. The team is investigating different AI models to analyze the collected data and exploring additional potential applications of the data to be collected (e.g., setting curve advisory speed, validating TomTom data, understanding driver behavior before entering curve, how vehicles from on-ramp merge). 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	ME is processing a three-month extension for the project to 6/30/23. This will 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 met on 3/10/23 to discuss the control site selection tool. The TC had a few additional changes. With regards to where the tool will live after the project ends, WSP will the final version of the tool and send it to states to use on their computers. All source code would be provided as part of the final deliverable. The research team will send final deliverables beginning in mid-April. The TC will meet on 6/22/23 to discuss them. The webinar will be scheduled in July.	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 TC met on 3/7/23. The research team has sent the draft Task 1 report but has not sent the Best Practices Manual for pollinator habitats, which is part of the task. The TC will meet on 4/10/23 to discuss the Task 1 report. The next quarterly meeting is scheduled for 6/6/23. Kirsten created a template for the research team to use for their monthly updates. The TC has been disappointed with the updates as they haven't provided the status for subtasks and actions taken. Andrew –Send Andrew an email highlighting the issues so he can see if he can find someone at UConn who knows Julia or her boss.	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 3/23/23.
- How can additional states use/implement the results of completed NETC projects?
 - Potential webinar topic - [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 sent information to the TAAC members. Both VT and MA indicated their staff would be interested in a webinar on the project and Maine's implementation. **Action item:** Dale is working with Wayne or Joe Stilwell in ME's bridge program office to present at a 30-minute webinar. Dale will check on the week of May 15.
- Emily – Dale to work on a package of specs or a fact sheet. To make it attractive to people to attend. "Come learn about ME's Bridge Drain implementation". Dale – This information already exists and only needs to be compiled. Kirsten can attach the package to the invitation.
- 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) Financials (see pages 5-6) – Dale Peabody

- 19-1 – Waiting for final invoice.
- Unallocated - \$55,360
- Balance \$844,855
- CTC – has a whole lot of money in place.
 - We can have CTC do additional work within the next year.
 - Emily – In-person meetings will cost more.
 - Dale – Synthesis work is a possibility, but this didn't resonate with the Advisory Committee.

4) 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).
 - Emily – This a research focus area in Colorado. CO has a presenter, or can come up with presenters, for this discussion.
- Asset Management for ITS
 - Planning Team met on 3/27/23.

- The discussion will be held on 6/22/23 from 12:00-4:00pm ET.
- Two additional planning meetings have been scheduled in May and June.
- Four subtopics and has volunteer leads for each.
 - ~ Asset Management
 - ~ Budget
 - ~ GIS
 - ~ Work Orders
- Format – Each state will present for five-to-ten minutes on how their ITS asset management works, including positives, challenges, systems using, etc. Then a Q&A on each of the subtopics with the large group.
- This group is active and plans to get the asset management staff and work order staff together to discuss common issues.
- 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 met on 3/3/23.
 - Looking at early June or October date for their event.
 - The group will reach out to others in their agencies for additional topic ideas and how to group them together.
- Kirsten will resend scheduling polls three planning teams for the next planning meetings and for event dates.

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

5) Other Business

- Dale’s last day is 5/31/23 after 40 years!
 - Replacement – Maine will advertise the position soon. They hope to have some in his position before he retires.
- Emily – Will follow up with her TCs on projects 20-2, 21-1 and 21-3 to see how they plan to use the project results. If others also follow up, please report back. She doesn’t want the projects to die.

6) Adjourn

Next meeting: May 12, 2023, from 10:30am – 11:30am ET