



## NETC Advisory Committee Meeting Minutes

June 23, 2023, 11:00am – noon ET

### Attendees:

Ulrich Amoussou-Guenou, MaineDOT	Dee Nash, NHDOT
Alex Bernier, UConn	Lily Oliver, MassDOT
Colin Franco, RIDOT	Emily Parkany, VT AOT
Brian Hirt, CTC & Associates	Jeff Pulver, MaineDOT
Matt Mann, UMTC	Kirsten Seeber, CTC & Associates
Ashlie Mercado, VT AOT	Nicholas Zavolas, MassDOT
Andrew Mroczkowski, ConnDOT	Melanie Zimyeski, ConnDOT

### 1) Welcome new Advisory Committee members

- Ashlie Mercado, Research Engineer, VT AOT
- Jeff Pulver, Director of Research & Innovation Office, MaineDOT

### 2) Open Project Review (June 2023)

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
<a href="#">19-2 Multi-Scale Multi-Season Land-Based Erosion Modeling and Monitoring for Infrastructure Management</a>	Aimee Mountain, GZA C. Franco K. Seeber Neil Olson, NH DOT	Aimee Mountain (PI) sent an email to the TC on 6/22/23 regarding a paper/presentation for the Highway Geology Symposium (HGS) in Tacoma, WS from August 13-19, featuring this project. The paper recognizes the TC members and NETC as the sponsoring organization. She asked if the TC has concerns with this. All TC members are fine with the presentation. No word from Neil Olson (NH).	

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
<a href="#">19-3: Experimental Validation of New Improved Load Rating Procedures for Deteriorated Unstiffened Steel Beam Ends</a>	Simos Gerasimidis, UMass Amherst N. Zavalas K. Seeber Matt Weidele, MA DOT	<p>The research team continues to work on processing scan data, testing beam specimens, and finite element analysis work.</p> <p>Some of the work on scanning and post-buckling behavior was presented at the Engineering Mechanics Institute conference in Atlanta at two mini symposia.</p> <p>Testing has been done on a total of 11 beams. The five beam specimens previously selected were scanned and the data was processed</p> <p>The team visited and did a set of demonstration scans for a bridge in Maine. This was a great opportunity to show the scanning work firsthand.</p> <p><b>Action item:</b> Kirsten will reach out to PI and TC Chair regarding the load ratings from this project to determine if they will change the current AASHTO ratings.</p>	1/31/2024 \$179,995
<a href="#">20-2: Current Status of Transportation Data Analytics and a Pilot Case Study Using Artificial Intelligence (AI)</a>  Speed Collection on Horizontal Curves	Yuanchang Xie, UMass Lowell E. Parkany K. Seeber Susan Klasen, NH DOT	<p>The research team finished data collection at 3 (out of 5) sites. They deployed sensors at the last two sites and retrieved them on 6/26/23. They are currently working on the data analysis and will have some preliminary results to share at the TC meeting on 6/29/23.</p> <p>A TC meeting is scheduled for 11/15/23 to review draft final deliverables.</p>	12/31/2023 \$200,000
<a href="#">20-3: Investigating Thermal Imaging Technologies and Unmanned Aerial Vehicles to Improve Bridge Inspections</a>	Kevin Ahearn, AECOM D. Peabody K. Seeber John "Sam" Maxim, ME DOT	<p>The research team held in on-site demos/trainings for staff at CT, ME, RI and VT. No workshop for MA or NH.</p> <p>A TC meeting was held on 6/21/23 to discuss the deliverables. The PI will send the revised final deliverables the week of 6/24/23.</p> <p>The project webinar is scheduled for 8/8/23. Kirsten will send the invitation this week.</p>	6/30/2023 \$174,931
<a href="#">21-1: Quality Review and Assessment of Pavement Condition Survey Vehicle Data Across New England</a>	Gonzalo Rada, WSP A. Mroczkowski K. Seeber John Henault, CT DOT	<p>The TC provided comments/feedback on all final deliverables, which have been incorporated by the research team. The project webinar is scheduled for 7/18/23. Sixteen registrations as of 6/26/23.</p>	7/31/23 \$174,932
<a href="#">21-3: Initiating Seed Production for Effective Establishment of Native Plants on Roadsides in New England</a>	Julia Kuzovkina, UConn D. Nash K. Seeber Arin Mills, NH DOT	<p>A quarterly meeting was held on 6/13/23. The PI sent the revised Task 1 report on 5/19/23 and the Best Management Practices part of Task 1 on 6/12/23. Final comments for both are due 6/27/23.</p> <p>The CT demo site has been planted. VT is looking for a new site due to the soil conditions at the initial site. MA is also looking for a new site due to bureaucratic hurdles (too close to a wetland) at the initial site.</p> <p>The next quarterly meeting is scheduled for 9/12/23.</p>	6/30/24 \$200,000

### 3) Implementation/Tech Transfer

- 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 a reminder on 6/19/23.
- How can additional states use/implement the results of completed NETC projects?
- If TAAC members know of Tech Transfer Activities for any project, please let Kirsten know so she can add them to the project's web page.
- **Action item:** Colin will look at RI's activities related to MASH Bridge Rails (NETC 18-1/20-1) and let Kirsten know if there have been implementation activities.

### 4) Topical Discussion Events

- A series of virtual in-depth Topical Discussions designed to bring together SMEs from the New England transportation agencies around specific topics. Topics:
  - Advanced Air Mobility Regional Plan
  - Animal Vehicle Collision Avoidance
  - Asset Management for ITS
  - e-Construction for Pavements
  - Geotech
- Asset Management for ITS
  - Topical discussion held on 6/22/23 from 12:00-4:00pm ET.
  - Twenty four attendees from all six states.
  - The event started with introductions and an overview presentation from each planning team state. (No ME representative on the planning team.) The following topics were then addressed, in a large group format, using a series of questions developed by the planning team.
    - ~ Asset Management
    - ~ Budget
    - ~ GIS
    - ~ Work Orders
  - Kirsten will post the presentations and the recordings on the NETC website. The planning team will decide if this will be password protected or open. They seem to be leaning towards the password protected option.
  - Emily – States were talking to each other and learning from each other.
- Advanced Air Mobility Regional Plan
  - Planning Team meeting scheduled for 7/13/23.
  - There are planning team members from MA, ME and VT. No reps from CT, RI or NH.
    - ~ Dee will find someone to represent NH
    - ~ Colin will check with Christos on a RI representative.
  - University folks can join the planning committees.
- Animal Vehicle Collision Avoidance
  - Planning Team meeting scheduled for 7/21/23.
  - 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
- o Format - The group is leaning towards the symposium style (presentation, Q&A, small group breakouts, report out to large group).
- Geotech
  - o Planning Team meeting scheduled for 7/20/23.
  - o 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
  - o The group is considering the symposium style and/or a panel style depending on the topic.
- e-Construction for Pavements
  - o Planning Team meeting scheduled for 7/26/23.
  - o Alex will join the planning team.
  - o Emily – E-construction covers a bunch of topics.
  - o Ulrich – Thermal profiler, density profiling system and intelligent compaction are topics Maine could contribute to. Those who attended first meeting didn’t necessarily feel the same way. E-ticketing came up at the first planning meeting.
    - ~ Emily – The planning team should decide the topics that will be most useful to learn from each other about. Pick someone to provide a 10-minute presentation followed by questions and breakout groups. Emily can try to help with this topic.
  - o Dee – Pat Colburn should be on the call.

**List of volunteers**

<b>Topic</b>	<b>Volunteer</b>	<b>State</b>
Advanced Air Mobility Regional Plan	Jeffrey DeCarlo	MA
Advanced Air Mobility Regional Plan	Bob Bruno	CT
Advanced Air Mobility Regional Plan	Chris Bailey	MA
Advanced Air Mobility Regional Plan	Fred Bedard	MA
Advanced Air Mobility Regional Plan	Terrance McKenna	MA
Advanced Air Mobility Regional Plan	Scott Uebelhart	MA
Advanced Air Mobility Regional Plan	Nicholas Zavolas	MA
Advanced Air Mobility Regional Plan	Jeanne Kannegieser	ME
Advanced Air Mobility Regional Plan	Alan Lambert	ME
Advanced Air Mobility Regional Plan	Carol Niewola	NH
Advanced Air Mobility Regional Plan	Jason Leavitt	NH
Advanced Air Mobility Regional Plan	Evan Robinson	VT
Advanced Air Mobility Regional Plan	Matt Mann	UMTC
Animal Vehicle Collision Avoidance	Christopher Samorajczyk	CT
Animal Vehicle Collision Avoidance	Richard Bostwick	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

Topic	Volunteer	State
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	Ryan 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	Nelson Sosa	MA
e-Construction for Pavements	Ulrich Amoussou-Guenou	ME
e-Construction for Pavements	Pat Colburn	NH
e-Construction for Pavements	Dee Nash	NH
e-Construction for Pavements	Ryan Darling	VT
e-Construction for Pavements	Alex Bernier	UConn
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

- At the July AC meeting, CTC will provide information on time/costs for 508-compliance work on NETC final reports and moving the NETC website to a new host, if the AC decides to do that at some point.
- Reschedule July meeting because of RAC meeting. **Action item:** Kirsten will send a scheduling poll for the weeks of 7/31 or 8/7.

#### 6) Adjourn

**Next meeting:** TBD