



NETC Advisory Committee Minutes

Tuesday, October 24 , 2023, 11:00am–12:00pm ET

Attendees:

Matt Mann, UMTC	Jeff Pulver, MaineDOT
Ashlie Mercado, VT AOT	Kirsten Seeber, CTC & Associates
Andrew Mroczkowski, ConnDOT	Nicholas Zavalas, MassDOT
Dee Nash, NHDOT	Melanie Zimyeski, ConnDOT
Emily Parkany, VT AOT	

1) Open Project Review (October 2023)

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
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 met on 10/12/23. Thirty-three beams have been scanned and 12 beams have been tested. The team continues work on the analysis of the trends between the dirty (corrosion, rust, delamination, paint) versus clean (bare metal) scans for 10 beam specimens on site. The draft final report will be delivered 11/30/23. TC meetings are scheduled for 11/13/23 and 12/19/23 (draft final report discussion).	1/31/2024 \$179,995
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 PI sent the draft final report on 10/10/23, which Kirsten forwarded to the TC. Kirsten will send a reminder to the TC to review on 11/1/23 and 11/8/23. A TC meeting is scheduled for 11/15/23 to review draft final deliverables.	12/31/2023 \$200,000

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	<p>The CT and VT demo sites have been planted. MA is close to planting a demo site.</p> <p>The research team is working with the Northeast Seed Network to create an ecotype seed supply for the DOTs.</p> <p>The research team will continue to update the BMP manual focusing on establishment.</p> <p>The next quarterly meeting is scheduled for 12/5/23.</p>	6/30/24 \$200,000
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2) 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 9/25/23.
- How can additional states use/implement the results of completed NETC projects?
 - ~ Review the project pages with the implementation information them it at upcoming AC meetings. Kirsten will add all implementation information the project pages. Kirsten will let everyone know which projects we will discuss two weeks prior to the Advisory Committee meeting.
 - ~ Each member will pick the top three projects that their state was most excited about or implemented. If multiple states are excited about same project, then we should consider holding an implementation webinar or feature that project somehow. Kirsten can meet with two states/month to talk about projects to get details.
 - ~ The projects we will discuss in November will be 18-1, 20-1, 18-2, 18-3, 19-1. **Action item:** Kirsten will send an email to the TAAC members with the implementation spreadsheet. Kirsten will send an email after the meeting and two weeks before the November AC meeting.
 - 20-5 may be worth discussing. Discuss what happened and why NETC not moving forward.
 - Projects in progress – The TAAC members can talk to their TC members about these projects as well.
 - ~ Kirsten will create a template that SMEs can fill out to communicate implementation activity on completed NETC projects. *Since we are talking about these projects at upcoming meetings we will hold off on this activity for now.*
 - ~ **Action item:** Matt will share the survey that was done for the MassDOT Research Annual Report related to project implementation.
 - ~ Kirsten will put all implementation information on an implementation web page on the NETC site. Once this page is complete, we can share the link with the full NETC mailing list.
- 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) 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 – Event complete
 - ~ **Action item:** Kirsten will post the presentations and the recordings on the NETC website behind a password protected page.
- Advanced Air Mobility Regional Plan
 - ~ Planning Team meeting held on 9/6/23.
 - ~ They will hold the event over two days, four hours each. Day 1 will be held in January 2024 (still waiting for team to complete scheduling poll). Day 2 is February 13, 2024. Day 1 will be more general to cover key topics. Day 2 will focus on the DOT Advanced Air Mobility Plans.
 - ~ Event format
 - Four hours
 - Day 1 – Advanced Air Mobility Overview from several perspectives.
 - Day 2 – DOT AAM Plans. ME will present on their plan.
 - ~ Event timing – January ?, 2024 and February 13, 2024
 - ~ Next planning meeting will be scheduled for late October/early November.
- Animal Vehicle Collision Avoidance
 - ~ Planning Team meeting to be held 9/28/23.
 - ~ Three subtopics and has volunteer leads
 - Mitigating the effect of collisions on reptiles and amphibians – Chris Slesar, VT
 - Implementation strategies for wildlife avoidance – Richard Bostwick, ME
 - Road mortality data collection activities – Rebecca Martin, NH
 - ~ Event format
 - Four hours
 - Intro session to explain the importance of the main topic; Use cases/presentations; panel discussion and breakout groups at the end of the day to focus on highlights from the event
 - ~ Event timing – February 2024
 - ~ Next planning meeting and the event date TBD.
- Geotech
 - ~ Planning Team meeting held 9/11/23.
 - ~ Three subtopics and volunteer leads
 - UAS for Geotech investigations – Krystle Pelham, NH
 - Geophysics – Steve Madden, VT
 - Geotech asset management and data management – Callie Ewald, VT and Kate Macguire, ME
 - ~ Event format
 - Four hours
 - Panel and presentations/use cases
 - ~ Event timing – February 7, 2024 from 10:00am – 2:30pm ET.
 - ~ Next planning meeting will be scheduled for late October/early November.
- e-Construction for Pavements
 - ~ Planning Team meeting held on 7/26/23.
 - ~ Subtopics and volunteer leads

- Risk-Based Inspection/Automated inspection – Ryan Darling, VT
- Materials Delivery Management System/e-Ticketing – Jarret Moore, CT
- Other topics being considered
 - Density Profiling System, Paver-Mounted Thermal Profiler, Intelligent Compaction also is e-Construction/Smooth Ride System
- ~ Event format
 - Four hours
- ~ Event timing – February 2024
- ~ Kirsten is scheduling the next planning meeting and the event date.

List of volunteers

Topic	Volunteer	State
Advanced Air Mobility Regional Plan	Jeffrey DeCarlo	MA
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 Zavalas	MA
Advanced Air Mobility Regional Plan	Jeanne Kannegieser	ME
Advanced Air Mobility Regional Plan	Alan Lambert	ME
Advanced Air Mobility Regional Plan	Evan Robinson	VT
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
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	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
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

- **508-compliance for final reports from this phase of the pooled fund**
 - ~ CTC has begun the remediation work on the final project reports for this phase of the pooled fund study. The first four reports are finished (18-1, 18-2, 18-3 and 19-1). **Action item:** Kirsten to put the remediated final reports on their project pages.
- Activities if NETC website moved from CTC servers after pooled fund ends.
 - ~ Prepare site for transfer; clean up files, organization – CTC time would be 2 hours.
 - ~ Export files and database – CTC’s web server company time would be 30 minutes
 - ~ New site owner would need to purchase and install licenses for two WordPress plugins
 - Advanced Custom Fields Pro - \$49/year
 - Posts Table Pro - \$69/year
 - ~ Documentation on how to use site, manage projects, etc. – CTC time would be 3 hours.
 - ~ Total funds = Approximately \$800.
 - ~ Questions/answers about the website.
 - Description of what is currently on the NETC site:
 - The site is built on WordPress.
 - Total installation size: 7.72GB
 - Database size: 64.70MB
 - 35 published Pages
 - 47 published Posts
 - 31 published Projects (custom post type)
 - 425 published Downloads (custom post type)
 - What does “manage projects” mean in the “Documentation” bullet above?
 - This is the documentation on how to create/edit projects that are displayed on the Research Projects page at <https://www.newenglandtransportationconsortium.org/research-projects/>.
 - ~ **Action item:** Kirsten will produce an estimate of fees for CTC to host the website for 10 years. Fees could include hosting, licenses, domain name, hours need to maintain the site, etc. **CTC is finalizing this estimate.**
 - ~ Emily and Nicholas are fine with CTC continuing to host. The general consensus is that the AC sees value in continuing the website after the pooled fund ends.
- December 2023 Advisory Committee meeting has moved from 12/26/23 to 12/19/23 from 2:00-3:00pm.
- Andrew proposed an NETC closeout event that could qualify as a Research Peer exchange. CT needs to have their Research peer exchange one and this could be a combined event.

- ~ Dee – NH and Maine also need to have their peer exchanges.
- ~ Emily – Three DOTs could get credit for the peer exchange. They have to check with their division offices to see if a combined one would work.
- ~ Andrew – FHWA looks at the quality of the proposed peer exchange. They want to see interesting speakers and an interesting agenda, which should take up two-to-three days.
- ~ Virtual or in-person?
- ~ May (Kirsten’s request) would be fine.
- ~ CTC and the host states will have a planning meeting to develop an agenda.
- ~ **Action item:** ME, NH and CT will check with their FHWA Division Offices to get approval for the Research Peer Exchange (and that they will receive hosting credit).
- ~ **Action item:** Emily will send Kirsten her RAC meeting presentation on how to have a good peer exchange.

5) Adjourn

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