



NETC Advisory Committee Meeting Minutes

Tuesday, June 22, 2021, 11:00am – 12:30pm ET

Attendees:

Colin Franco, RIDOT	Dale Peabody, MaineDOT
Matt Mann, UMass	Ann Scholz, NHDOT
Tanya Miller, VTrans	Kirsten Seeber, CTC & Associates
Andrew Mroczkowski, ConnDOT	James Sullivan, UVM
Dee Nash, NHDOT	Maina Tran, CTC & Associates
Lily Oliver, MassDOT	Nicholas Zavalas, MassDOT
Emily Parkany, VTrans	Melanie Zimyeski, ConnDOT

1) Open Project Review (June 2021)

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 TC is scheduled to meet on 7/20/21 to get updates on Tasks 2 and 3.	3/31/2022 \$151,316
19-2: Multi-Scale Multi-Season Land-Based Erosion Modeling and Monitoring for Infrastructure Management	Aimee Mountain, GZA A. Scholz M. Tran Neil Olson, NH DOT	A project status meeting was held on 6/17/21. The research team presented the toolkit and the TC will be provided a link to provide feedback regarding improvements to the toolkit. The next project status meeting will be in October to review final toolkit and draft final report.	2/28/2022 \$148,035
19-3: Experimental Validation of New Improved Load Rating Procedures for Deteriorated Steel Beam Ends	Simos Gerasimidis, UMass Amherst N. Zavalas K. Seeber Matt Weidele, MA DOT	The TC is scheduled to meet on 7/28/21 to review Task 1 (Identify common beam-end corrosion topologies).	3/31/2023 \$179,995

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
20-1: In-Service Performance Evaluation of NETC Bridge Railings	Christine Carrigan, RoadSafe D. Peabody K. Seeber Jeff Folsom, ME DOT	The TC is scheduled to meet on 7/26/21. The research team is getting both the bridge rail inventory and crash data they need for the project and are on schedule.	6/30/2022 \$119,978
20-2: Current Status of Transportation Data Analytics and A Pilot Case Study Using Artificial Intelligence (AI)	UMass Lowell, A. Scholz M. Tran Susan Klasen, NH DOT	The research team started on Task 1. They contacted the NE states to collect additional data sources and stakeholder information.	3/31/23 \$200,000
20-3: Investigating Thermal Imaging Technologies and Unmanned Aerial Vehicles to Improve Bridge Inspections	AECOM, Kevin Ahearn D. Peabody M. Tran John "Sam" Maxim, ME DOT	The next project status meeting is in process of being scheduled for early July.	3/31/2022 \$174,931
20-4: New England Connected and Automated Vehicle Legal and Regulatory Assessment	Stantec, Greg Rodriguez E. Parkany/N. Zavalas K. Seeber Daniel Sullivan, MA DOT	The TC meets monthly. The TC met on 6/15/21 to discuss the work that will be done when the contract amendment is executed.	12/31/2021 \$153,746
Re-Creating NETC	Kirsten Seeber/Chris Kline, CTC & Associates A. Scholz K. Seeber A. Scholz	The TAAC is meeting on 6/30/21.	8/12/2021 \$50,000
21-1: Quality Review and Assessment of Pavement Condition Survey Vehicle Data Across New England	TBD A. Mroczkowski M. Tran John Henault, CT DOT	SOW review meetings were held on 5/4/21 and 6/2/21. The final SOW will be forwarded to MaineDOT on 6/21/21.	18 months \$200,000 proposed
21-2: Sustainable Biomass-Based Sealant for Service Life Extension of Concrete Structures and Pavements	TBD U. Amoussou-Gueno K. Seeber Joe Stillwell, ME DOT	A second SOW review meeting was held on 6/1/21. The TC is providing their final comments the week of 6/21/21.	24 months \$210,000 proposed
21-3: Initiating Seed Production for Effective Establishment of Native Plants on Roadsides in New England	TBD A. Scholz K. Seeber Arin Mills, NH DOT	A second SOW review meeting was held on 6/4/21. There will be one final review meeting on 6/29/21.	36 months \$200,000 proposed
(CONTINGENCY PROJECT) 21-4: Determining the Effect of Changing the Asphalt Binder Source Between Mixture Design and Production on a Balanced Mixture Design (BMD) in New England	TBD N. Zavalas M. Tran Mark Brum, MA DOT	Since the other 21-series projects will move forward, this project will not be funded this year.	30 months \$200,000- \$225,000 proposed

Discussion:

- 19-2
 - Ann suggested Ann that the AC members check with their TC members to make sure they will test the tool.
 - How can it be replicated in other states (the framework will be transferred to the other states)?
 - ~ Colin – Get the IT/GIS folks together to talk to the PI to ensure they get something out of it. Can we set something up for the tech guys?
 - ~ Ann – The PI wants everyone to be happy at the end. Whatever is provided will be adaptable within the agencies. Share the toolkit link with the IT guys so they can play around.
- 20-4
 - Emily – The TC raised several issues they hoped to dive into deeper with the additional funds.
- 21-3
 - This will be a 3-year project. The TC needs the third year to monitor the plots and determine if the seed source will be successful rather than relying on DOT staff.
- 21-4
 - If want to resubmit, check with SMEs in other states about their concerns with the problem statement. Maina will follow up with Mark Blum after checking with Nicholas first.
 - Emily – MA just completed a project on looking at different asphalt binder sources. There are also new NCHRP and IDEA projects on the impacts of asphalt binder, so some national projects on this topic. A lot of asphalt binder questions are being addressed at the national level.
- Add draft and final task deliverable due dates to the project contracts?
 - We will allow six weeks between a draft task deliverable and final task deliverable due date.

2) Implementation

- TAAC members to report on any implementation activities for recently closed projects.
- Kirsten sent the implementation spreadsheet to the TAAC on 5/11/21. No further updates have been received.
 - ~ NETC 18-1: Development of MASH Computer Simulated Steel Bridge Rail and Transition Details
 - ~ NETC 18-2: Framework of Asphalt Balance Mix Design for NE Agencies
 - ~ NETC 18-3: Integration of Unmanned Aircraft Systems into State DOTs
- Putting the implementation information on each project page
 - ~ Emily would like to see this. List presentations made or related activities for each project.
 - ~ US Domestic Scan Program – Maina showed an implementation example.
 - Password protected for only AC or TC members to see.
 - Drop down to show activities.
 - Emily – Indicate if there is information available, so visitors will click if information is there.
 - ~ Kirsten – Put implementation comments from the tracking spreadsheet on the project pages?
 - Dale – Keep tech transfer activities separate on the website.
 - Emily – List the positive comments only.
 - Emily – Should there be two different sections, one for implementation and one for tech transfer activities.
 - Colin – Show that the states looked at implementation and why they did, or did not, implement. Include the good, bad and ugly.
 - ~ **Action item:** CTC will mock up a project page to show the group at the August meeting.

3) Project Webinars

- No webinars currently scheduled.
- All webinar recordings/presentations can be found on the project pages or [here](#).

4) Website Topics

- Project categories on website – Review and discuss categories suggested by AC members.
 - ~ The AC discussed and approved the topic categories. **Action item:** Maina will add the new categories to the NETC website and will reassign all projects. A project can be assigned to multiple categories.

5) 2021 Symposium update

- The symposium is proposed for September 28, 29 and 30. The third day will happen depending on the number of subtopics selected.
- Construction topic
 - ~ Ann – She heard from the NH construction staff that the end of September/early October is not a good time because they are still busy.
 - ~ Emily – Paying attention to the better times of year for different topics is good to do.
 - ~ **Action item:** We will move the Construction Symposium to early 2022.
- Emily – Think about what we are hoping to get out of the Symposium. Make it simple. Pick dates and get the topics we can from those who propose them. Then discussion is generated during the actual meeting.
- Emily – Is the symposium for transportation agencies and/or universities? Need some direction and enthusiasm. If no enthusiasm, then give it up.
 - Ann – Might be part of the NETC discussion next week. The materials folks miss being in-person and hope to go back to it next week. Maybe three Northern states and Southern three states are different enough that they meet on topics separately, with NETC setting up meetings for them. Lose the symposium idea? Put a pause on planning?
 - Dale – If we don't have champions, then maybe put the symposium on pause. It should be a part of Re-Creating NETC discussion.
 - Emily – If we continue with the Maintenance Symposium in September, then we need to find a champion soon.
 - CTC is fine with splitting the topics and having them at two separate times.
 - **Action item:** Emily will reach out to Andrew with a draft email to send to CT maintenance person. See if Lily has any suggestions.
 - Lily sent the symposium information and champion request to their Operation and Maintenance and Construction staff but hasn't heard from them.
 - (a) Get an idea by 6/30/21
 - Dale – ME's Maintenance person said no to helping right now.
- In process of identifying topic champions.
 - ~ Todd Law, VTrans, has been approached to be a Maintenance champion.
 - ~ Ted Kitsis, NHDOT, has been approached to be a Construction champion.
 - ~ Devin Anderson and Travis Hamel, MaineDOT, are interested in assisting with the Construction topic.
- Save-the-date announcement is planned for the first week of July.
- Registration will be available by mid-July.

- Champions may also be needed for each subtopic to minimize time commitment.
- The next Symposium committee meeting is planned for 7/7/21.

6) Other Business

- Colin asked about the other states' experience with electric vehicle charging. **Action item:** Emily – VT is all in and she will send Colin the name of their consultant.

7) Adjourn

Next meeting: July 27, 2021 from 11:00am – 12:30pm ET