



## NETC Advisory Committee Meeting Agenda

**DATE:** Tuesday, May 24, 2022, 11:00am – 12:30pm ET

**PLATFORM:** GoToMeeting Link: <https://global.gotomeeting.com/join/628554149>

Dial-in: 646-749-3122; Access Code: 628-554-149

### Attendees:

Ulrich Amoussou-Guenou, MaineDOT	Emily Parkany, VTrans
Colin Franco, RIDOT	Dale Peabody, MaineDOT
Tanya Miller, VTrans	Kirsten Seeber, CTC & Associates

### 1) Open Project Review (May 2022)

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
<a href="#">19-1: Curved Integral Abutment Bridge Design</a>	Adam Stockin, WSP E. Parkany K. Seeber Alex Bardow, MA DOT	The TC approved a final amendment scope of work in the amount of \$74,000, which was sent to MaineDOT on 5/23/22. WSP was asked to find a balance between additional modeling, data analysis, and documentation, and to increase the quality of the documentation.	6/30/2022 \$151,316
<a href="#">19-3: Experimental Validation of New Improved Load Rating Procedures for Deteriorated Unstiffened Steel Beam Ends</a>	Simos Gerasimidis, UMassAmherst N. Zavalas K. Seeber Matt Weidele, MA DOT	The current task, Task 2 (Review of existing structures), doesn't end until August. Kirsten is working with the PI and Chair to schedule the next TC meeting. The PI has indicated that they may need more time to complete the project. We will revisit this issue in the fall.	3/31/2023 \$179,995
<a href="#">20-1: In-Service Performance Evaluation of NETC Bridge Railings</a>	Christine Carrigan, RoadSafe D. Peabody K. Seeber Jeff Folsom, ME DOT	The project webinar is scheduled for 5/25/22. Twenty attendees registered so far.	6/30/2022 \$119,978

Project # and Title	PI, Organization AC Liaison CTC Project Manager TC Chair	Update	End Date Budget
<a href="#">20-2: Current Status of Transportation Data Analytics and A Pilot Case Study Using Artificial Intelligence (AI)</a>	Yuanchang Xie, UMass Lowell A. Scholz K. Seeber Susan Klasen, NH DOT	The PI also provided six recommendations using existing agency data for the pilot study. The TC met on 5/2/22 to select the topics for the pilot study. The selected topic is vehicle detection and tracking using AI + Edge computing powered sensors. The TC wants the researchers to rate and compare cameras for different uses -- tunnels, weights, wrong-way detection, rural areas, etc. Look at considerations such as cost, power requirements (solar, etc.), bandwidth and also look at whether data can be verified with images when needed. Kirsten will relay the information to the PI.  There might be an amendment request for this project. Kirsten will get the details from the PI on the potential costs. Dale would have to check on how much funds would be available.	3/31/2023 \$179,995
<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	The TC met on 5/12/22. The PI is finishing up Task 3 (Develop UAV-based inspection and analysis protocols), which is due 6/30/22.	3/31/2023 \$174,931
<a href="#">20-4: New England Connected and Automated Vehicle Legal and Regulatory Assessment</a>	Greg Rodriguez, Stantec E. Parkany/N. Zavolas K. Seeber Pete Calcaterra, CT DOT	The TC has an extra week, until 5/24/22, to provide comments on the draft final report. The next TC meeting will be scheduled for mid-June.  A few of the outside stakeholders have provided comments.  Kirsten will change the name of the project on the project page once the final report is delivered.	6/30/2022 \$153,746
<a href="#">21-1: Quality Review and Assessment of Pavement Condition Survey Vehicle Data Across New England</a>	Gonzalo Rada, Wood Environment & Infrastructure Solutions A. Mroczkowski K. Seeber John Henault, CT DOT	The TC met on 5/18/22. The PI is wrapping up the Task 1 (DQMP analysis) report. The PI is working on Task 2 (Control Sites), which is due the end of July. Kirsten will schedule the next TC meeting.	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 A. Scholz K. Seeber Arin Mills, NH DOT	ME and UConn executed the final contract on 5/18/22. Kirsten is setting up quarterly meetings for the TC.	6/30/24 \$200,000

## 2) Implementation

- TAAC members to report on any implementation activities for recently closed projects.
- Kirsten sent the implementation spreadsheet to the TAAC on 3/21/22. New projects added:
  - [NETC 19-2: Multi-State Multi-Season Land-Based Erosion Modeling and Monitoring for](#)

### [Infrastructure Management](#)

- [NETC 20-1: ISPE for NETC Bridge Railings](#)
- If AC members knows of Tech Transfer Activities for any project, please let Kirsten know and she will add to the project's web page.
- NETC 19-2 – Slope stability project – There have been more conversations at ME about this. Will get a presentation from the PI for their engineering council. If approved, ME will add the GIS layer that was developed for this project to their database. This may happen by the end of the year.
  - ~ Colin – How is ME going to implement erosion control, through design, adding it to the contract or construction? Dale – The GZA model looks at data sources (lidar generated maps or topographical or soil maps) and they run the model. It shows on the GSA layer which slopes might be problematic. As you understand the data, you can figure it out. The ME data is in hand but ME needs to add the map layer to make it happen. The information is static, so once you run the model the results don't change. ME would need to run the model once a year or so and import it into the public-facing map viewer, which GZA would do.
  - ~ Emily – If VT already has the information through other projects, it doesn't count for NETC implementation. Is there a way to mention that on the website? Dale – what would be the advantage to putting that on the NETC website? Because VT already has the information, it adds to the confusion of what is NETC implementation and what isn't.

### **3) Wrapping up the pooled fund study – Remaining balance**

- The CTC contract in the amount of \$249,658 was executed on 5/17/22.
- AC members to discuss ways to utilize the remaining funds prior to the end of the pooled fund on 12/31/24. The Advisory Committee will discuss potential options after the Summer RAC meeting, at the August or September meeting. If a topic comes up in their states, bring it to this monthly meeting to get it on the list.
- Some options already thrown out include:
  - Symposiums
  - Climate issues - Workshop around climate issues (slope stability and other topics), which could showcase what NETC, VT and ME have done related to NETC 19-2.
  - Short project(s)
  - In-person meeting(s)
  - Other
- NETC has approximately \$0 unallocated funds.

### **4) Memo to Policy Committee re: NETC ending**

- Kirsten sent the memo to the Policy Committee on 5/2/22.
  - ~ Emily – The VT AOT Secretary asked her director about this and Emily provided a longer explanation.
  - ~ Colin didn't hear anything related to the memo.
  - ~ Dale informed his boss about NETC ending and she would report it to the Secretary.

### **5) Other Business**

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### **6) Adjourn**

**Next meeting:** June 28<sup>th</sup>, 2022 from 11:00am – 12:30pm ET