

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT**

A. PROJECT NUMBER AND TITLE:

NETC 21-1 Quality Review and Assessment of Pavement Condition Survey Vehicle Data Across New England

B. PRINCIPAL INVESTIGATOR(s) & UNIVERSITY(s):

Gonzalo R. Rada, Ph.D., P.E., Wood E&IS

C. WEB SITE ADDRESS (If one exists):

www.woodplc.com

D. START DATE (Per NETC Agreement):

February 15, 2022

E. END DATE (Per NETC Agreement):

July 31, 2023

F. ANTICIPATED COMPLETION DATE:

July 31, 2023

G. PROJECT OBJECTIVES:

- To review the New England States' Data Quality Management Plans for pavement condition data.
- To summarize control sites used by the New England States with potential for inter-agency sharing.
- To develop recommendations for regional efficiencies in collection and analysis of QC/QA data for each of the participating transportation agencies.
- To develop or adapt forms and macros as "Best Practices" recommendations to assist states with data reporting requirements for compliance with FHWA approved DQMPs.

H. REPORT PERIOD:

April 1 to June 30, 2022

I. ACCOMPLISHMENTS THIS PERIOD:

- Prepared for and participated in technical committee meetings on April 19 and May 18, 2022, to report on the project team's progress and to discuss project-related matters.
- Completed Task 1 work, including revisions to the Task 1 report based on input from two NETC agencies as well as from input received during the individual agency meetings held as part of Task 2.
- Made significant progress in the Task 2 effort, including identification of the performance metric requirements (i.e., QC/QA tests) and associated control site characteristics, formulation of process for identification of control sites and associated proof of concept, and preparation of draft Task 2 report.

- Prepared and submitted quarterly progress report covering the period of February 15 to March 31, 2022.
- Prepared and submitted monthly invoices for April, May, and June 2022.

J. PROBLEMS ENCOUNTERED (If any):

No problems to report to date.

K. TECHNOLOGY TRANSFER ACTIVITIES:

No technology transfer activities were performed during the reporting period, and none are anticipated for the next quarter.

L. STATUS BY TASK:

- Task 1 Review and analyze data QMPs – 100% completed.
- Task 2 Identify test site characteristics needed to establish precision and bias values for pavement metrics – 90% complete: remaining work will be completed during upcoming reporting period.
- Task 3 Develop guidelines for validating that equipment is producing sound data – 0% complete: work on this task is not anticipated to start until July 2022
- Task 4 Draft final report and technology transfer strategy and toolbox – 0% complete: work on this task is not anticipated to start until January 2023
- Task 5 Final report – 0% complete: work on this task is not anticipated to start until May 2023

M. PERCENT COMPLETION OF TOTAL PROJECT: 27.1 %

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

- Prepare for and participate in monthly technical committee meetings to report on the project team’s progress and to discuss project-related matters.
- Completion of Task 2, including combined Tasks 1 and 2 report.
- Start to work on Task 3 activities, including development of guidelines for validating and verifying pavement performance metric data collection equipment.
- Prepare and submit monthly invoices for July, August, and September 2022.

O. FINANCIAL STATUS:

As of:	June 17, 2022
Total Project Budget:	\$ <u>174,932</u>
Total Expenditures:	\$ <u>47,377</u>